

CURRIES Tech Manual

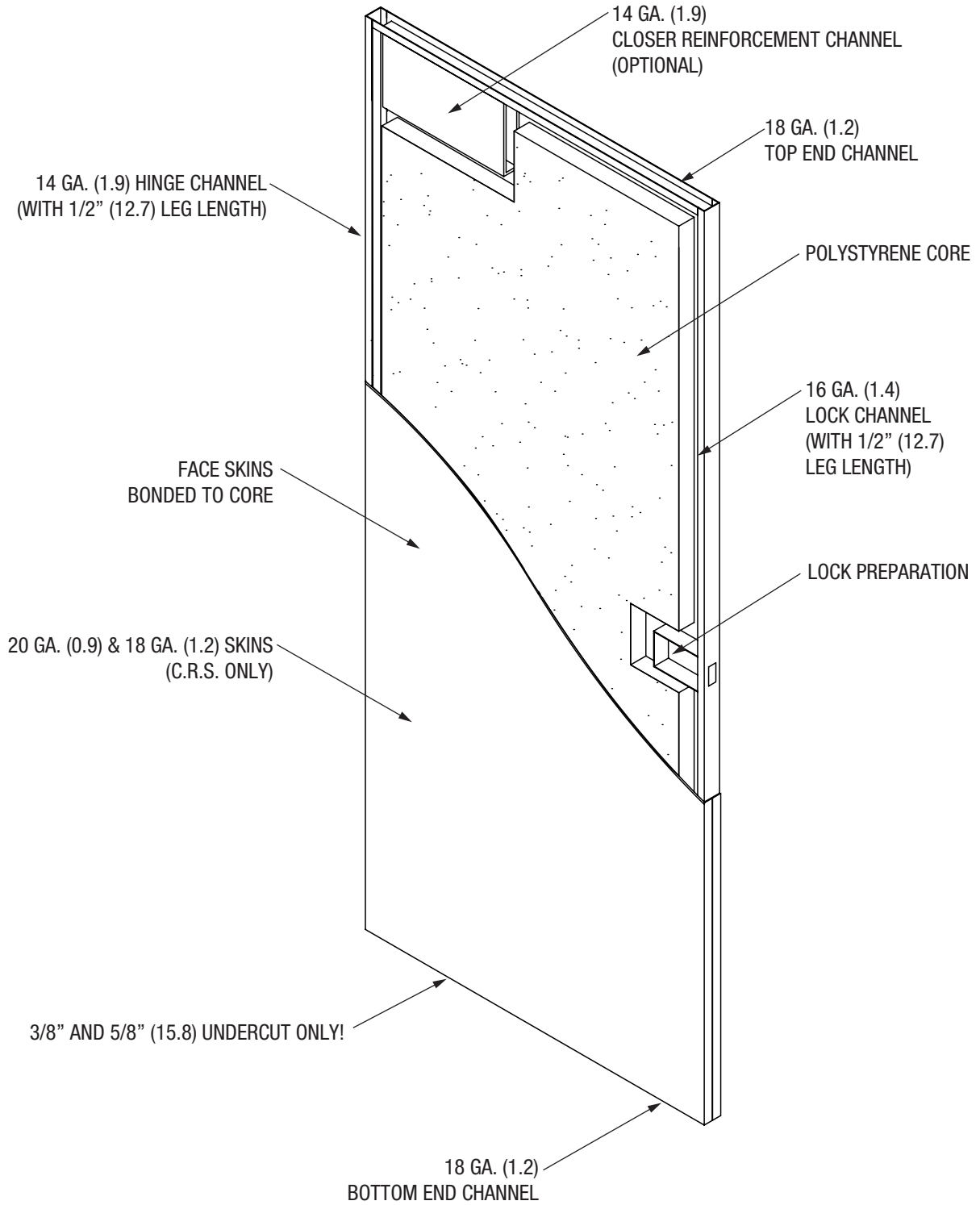
Door Section

Revised

August, 2017

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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), 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)

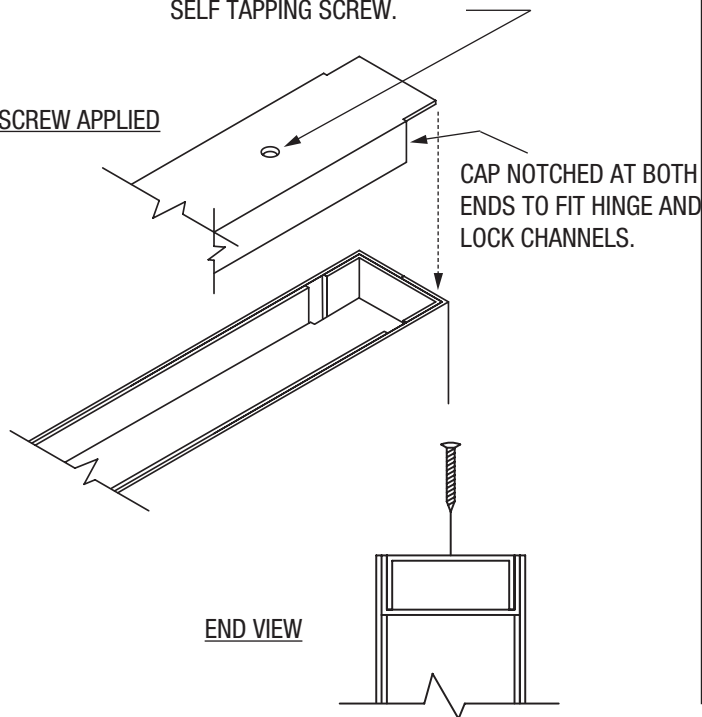
20 GA. (.9) Galvanealed

COUNTERSINK #6-20
SELF TAPPING SCREW.

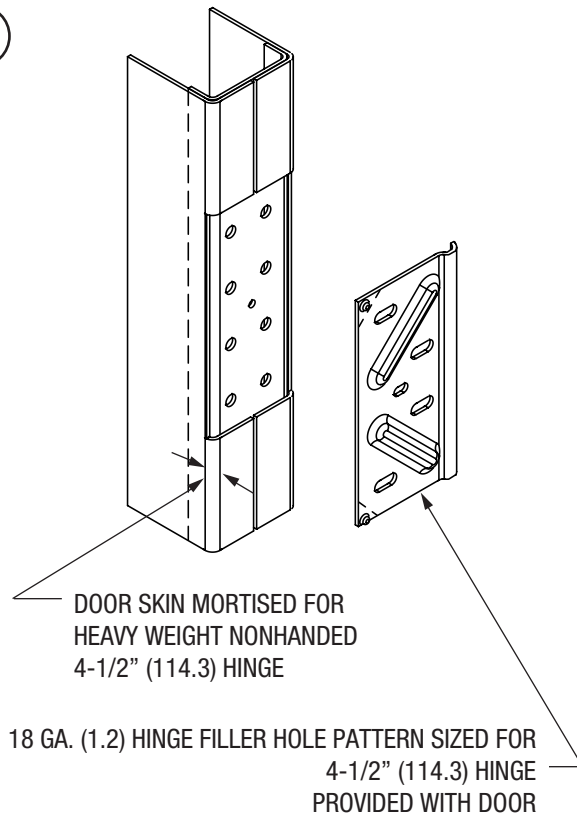
SCREW APPLIED

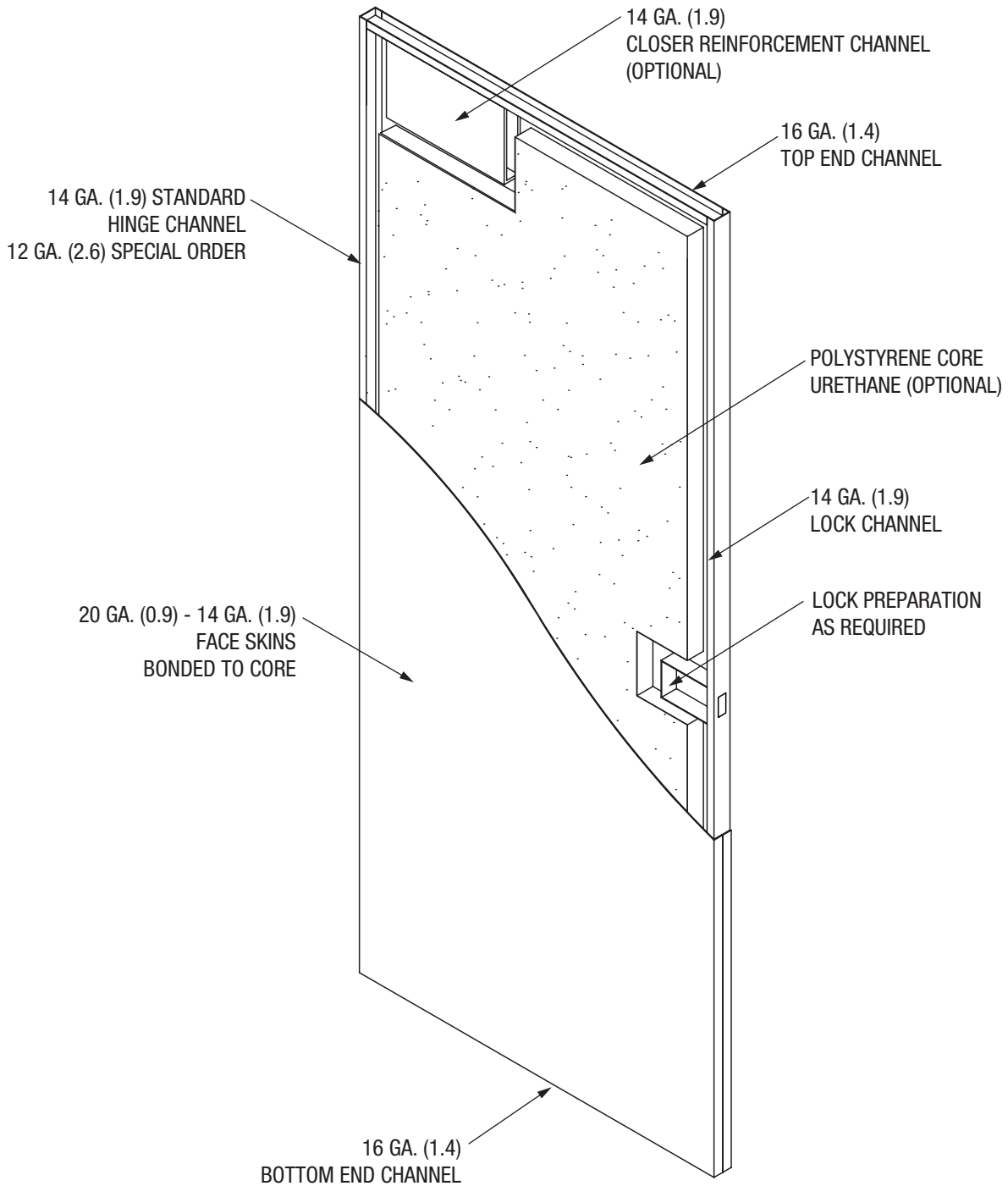
CAP NOTCHED AT BOTH
ENDS TO FIT HINGE AND
LOCK CHANNELS.

END VIEW



Hinge Edge



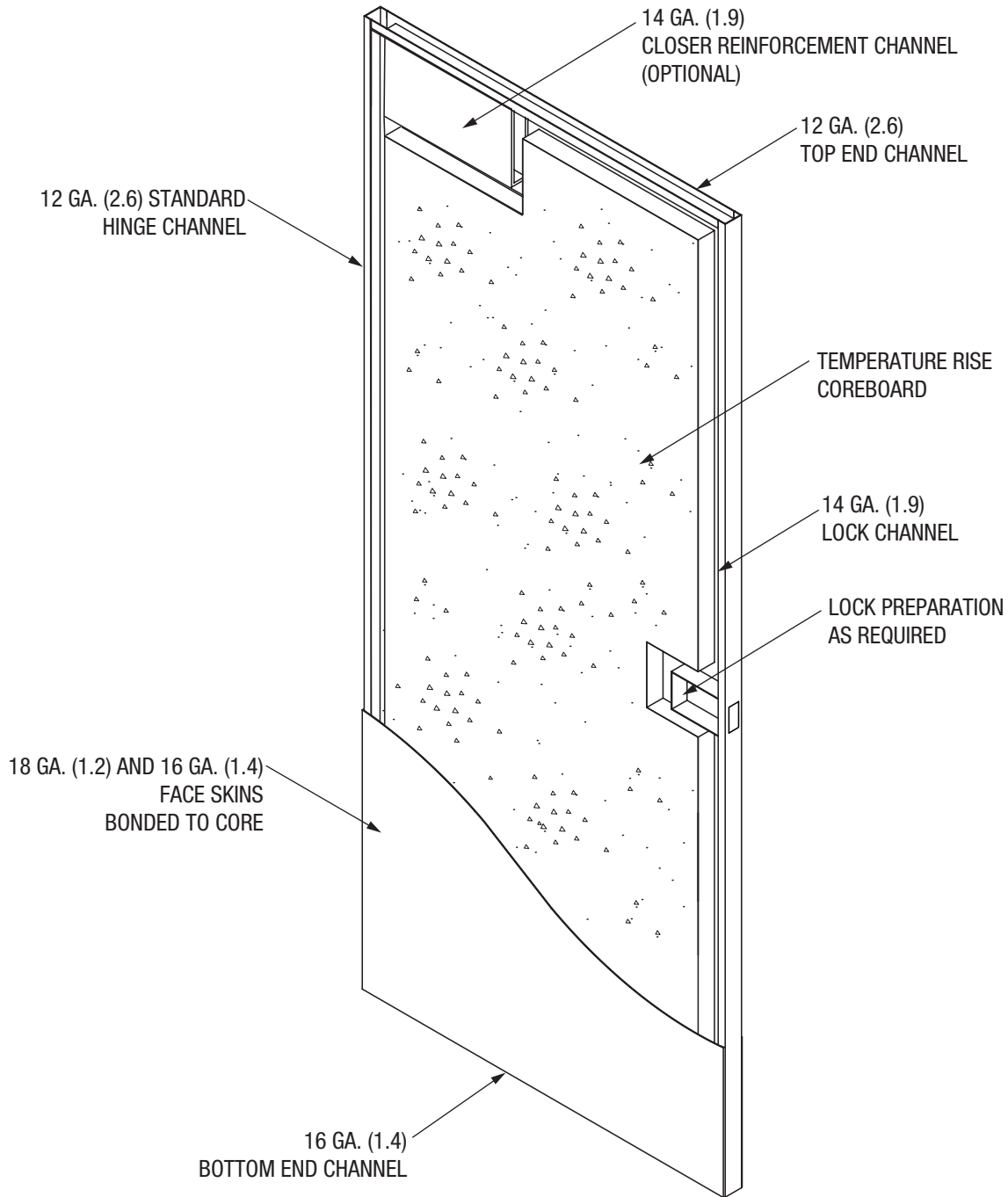


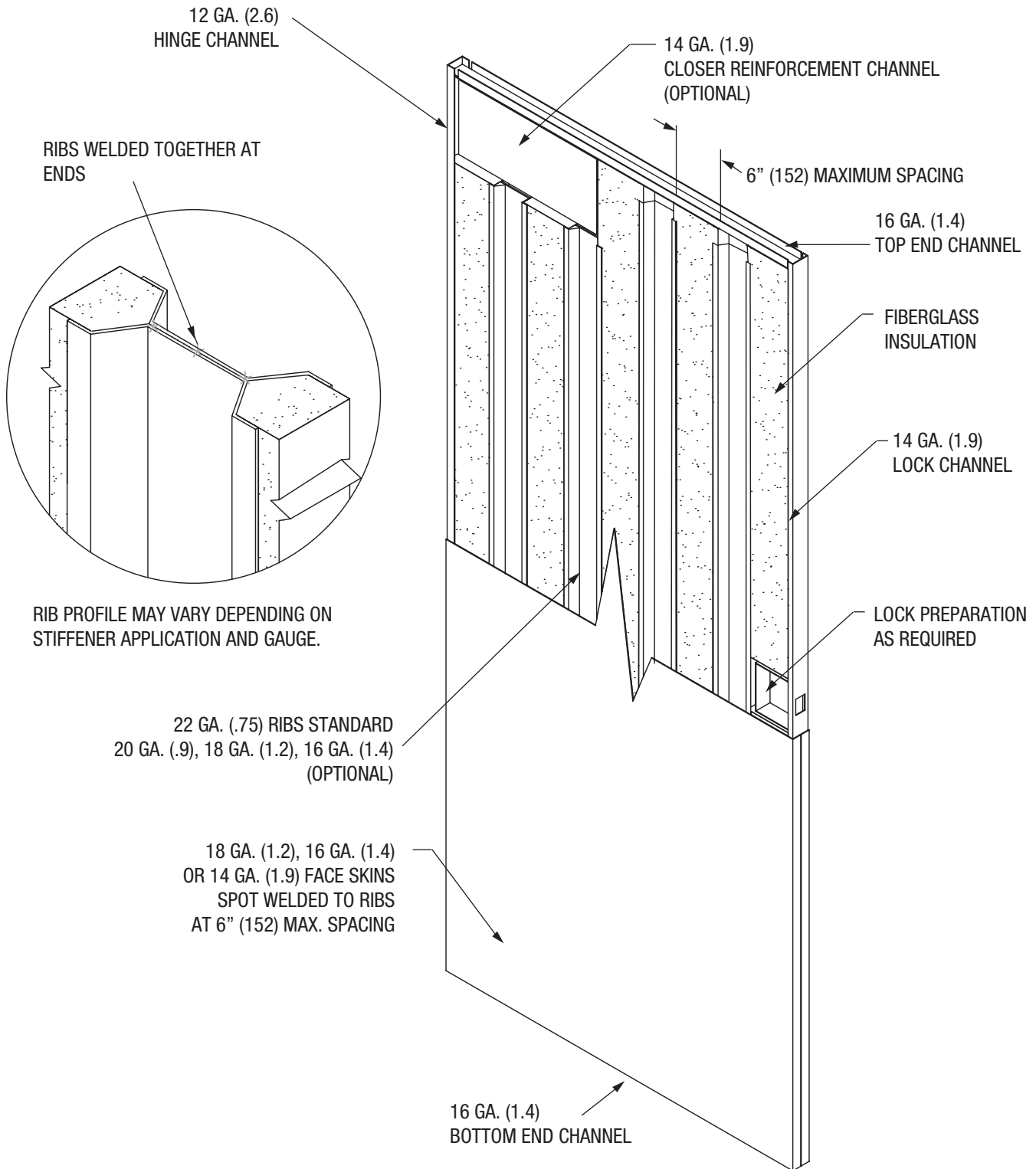
NOTE: SEE PAGE 162 FOR HONEYCOMB OPTION

March, 2015



250°F Temperature Rise Rating
450°F Temperature Rise Rating





A STEEL STIFFENED DOOR DESIGN IS AVAILABLE WITH A 450° TEMPERATURE RISE FIRE RATING ON PAGE 169.

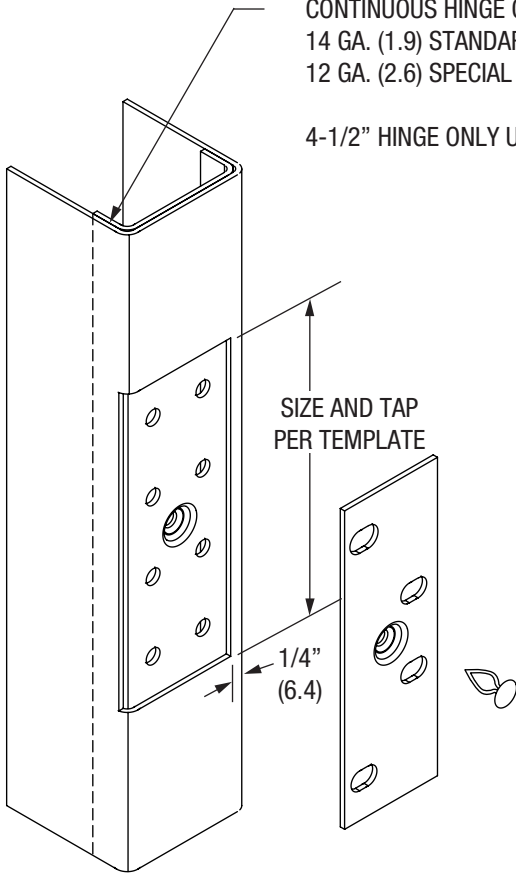
April, 2002



HANDED - A BEVEL "ULTIMA"

CONTINUOUS HINGE CHANNEL
 14 GA. (1.9) STANDARD
 12 GA. (2.6) SPECIAL ORDER - STANDARD AS NOTED PER DOOR SERIES

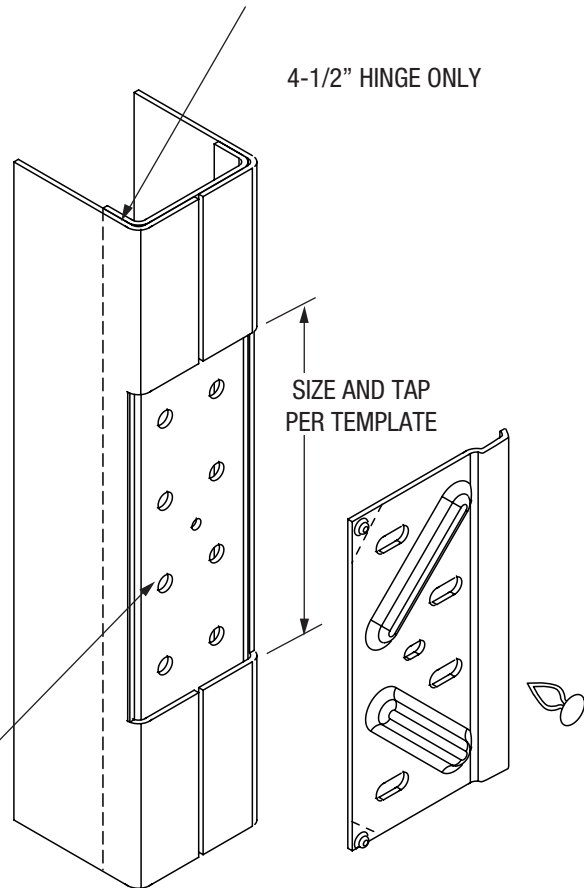
4-1/2" HINGE ONLY ULTIMA SHIM STANDARD FOR 4-1/2" HINGE STANDARD AND HEAVYWEIGHT



NON HANDED - B BEVEL - "ULTIMA"

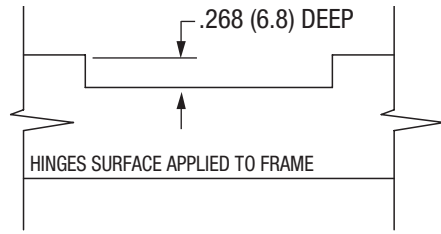
CONTINUOUS HINGE CHANNEL
 14 GA. (1.9) STANDARD
 12 GA. (2.6) SPECIAL ORDER - STANDARD AS NOTED PER DOOR SERIES

4-1/2" HINGE ONLY

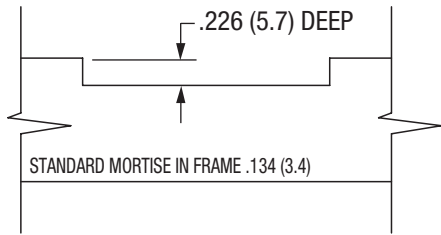


SCREW HOLES ARE EXTRUDED TO PROVIDE
 THREAD DEPTH EQUAL TO 10 GA. (3.4) PLATE
 (14 GA. (1.9))
 3/16" (4.8) PLATE (12 GA. (2.6))

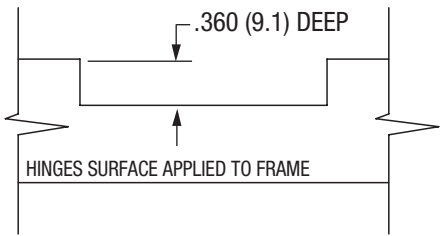
HINGE PREPARATIONS OTHER THAN 4-1/2" ARE SIZE AND TAP PER TEMPLATE.



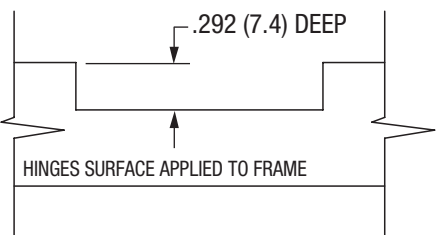
4-1/2" (114.3) STANDARD WEIGHT (.134) (3.4)
DOUBLE MORTISE
HINGES
S.D.M.



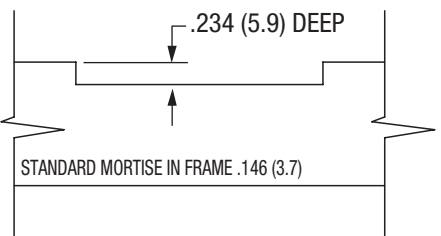
4-1/2" (114.3) HEAVY WEIGHT (.180) (4.6)
OVER MORTISE
HINGES
H.O.M.



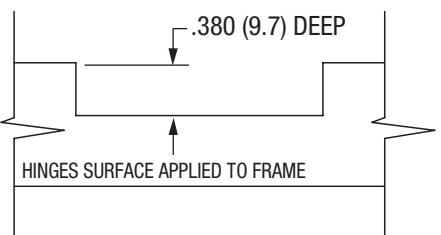
4-1/2" (114.3) HEAVY WEIGHT (.180) (4.6)
DOUBLE MORTISE
HINGES
H.D.M.



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.

10 847 Security Door Construction

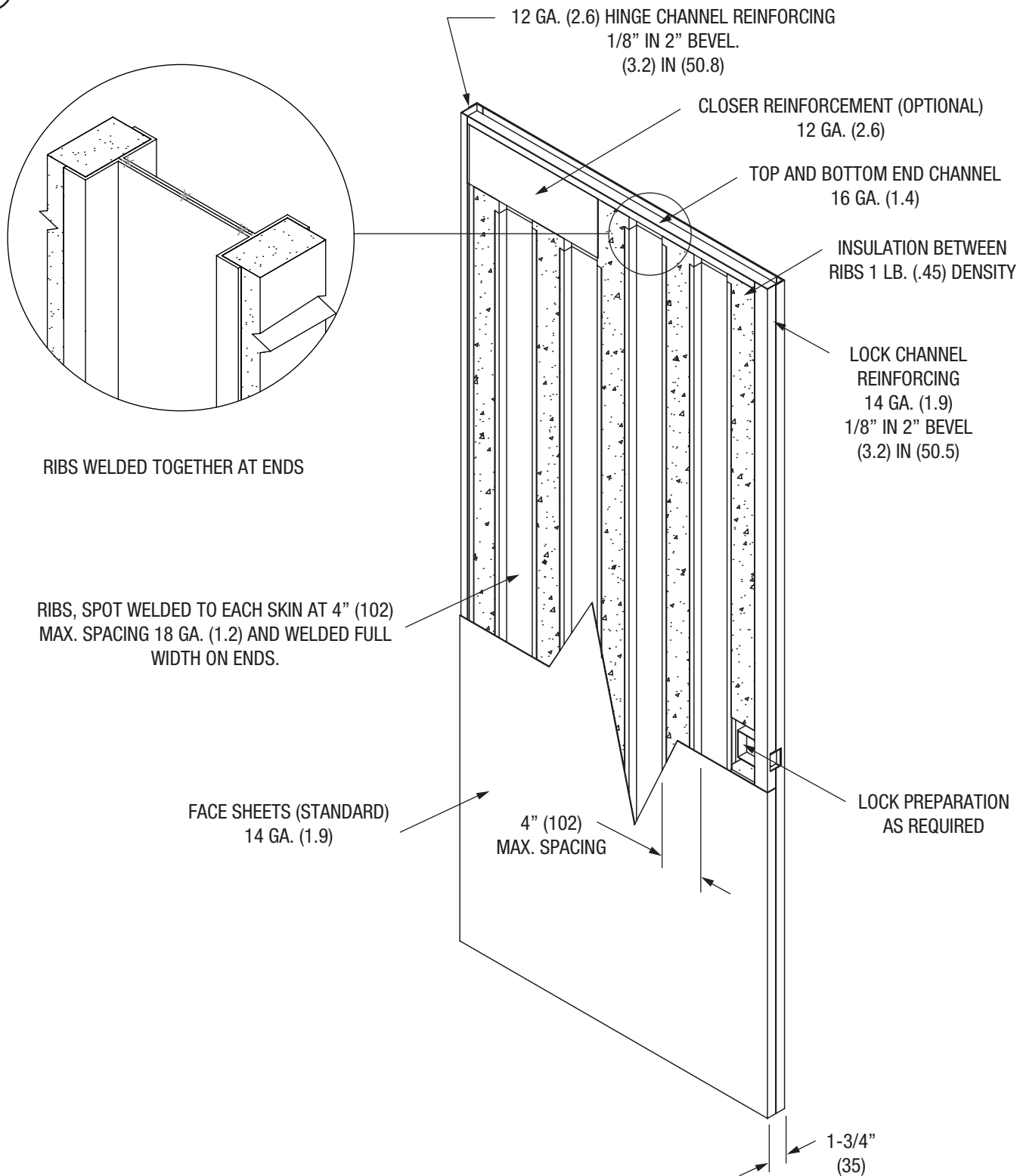
Door Technical Data

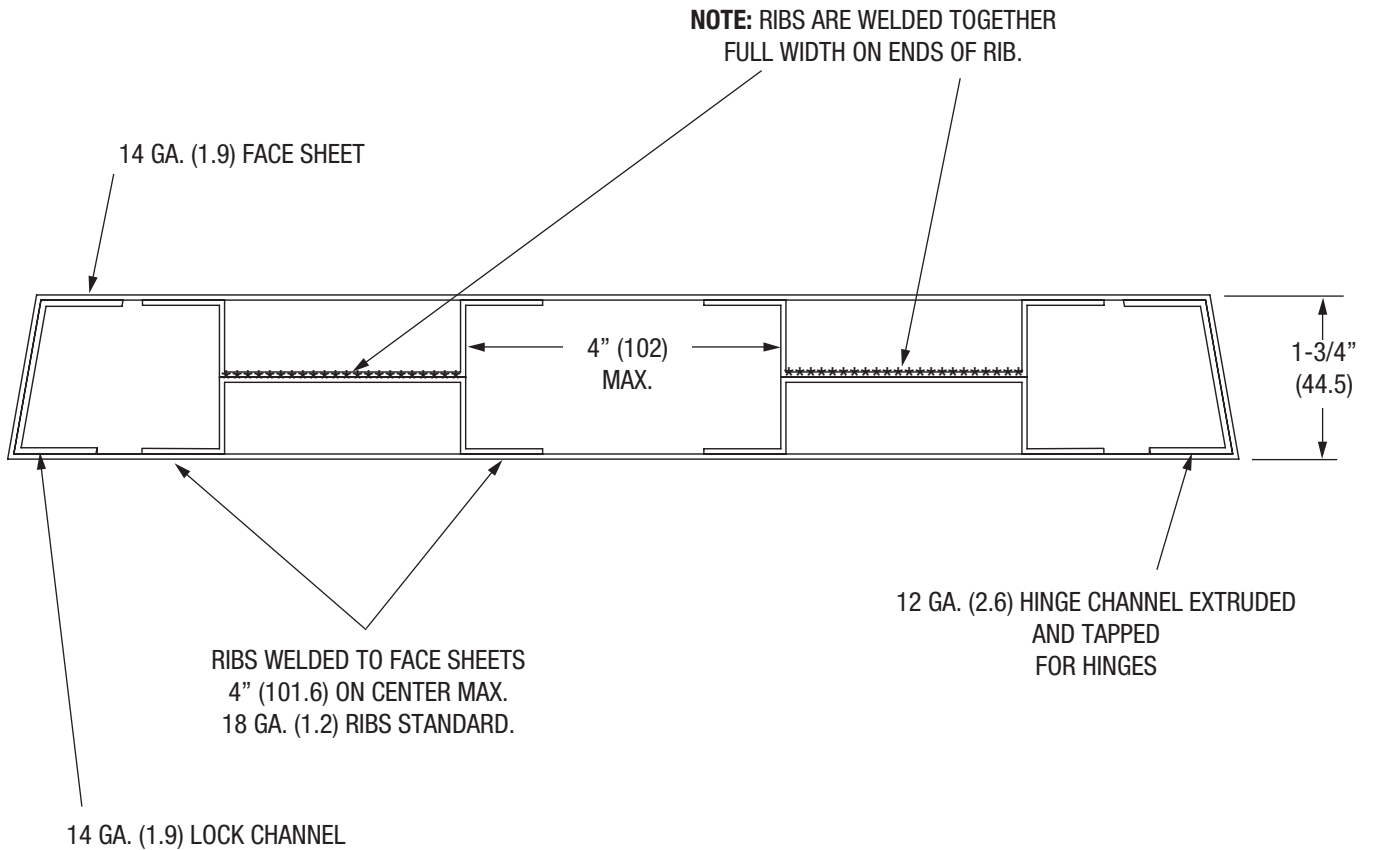
CURRIES

ASSA ABLOY

April, 2002

L

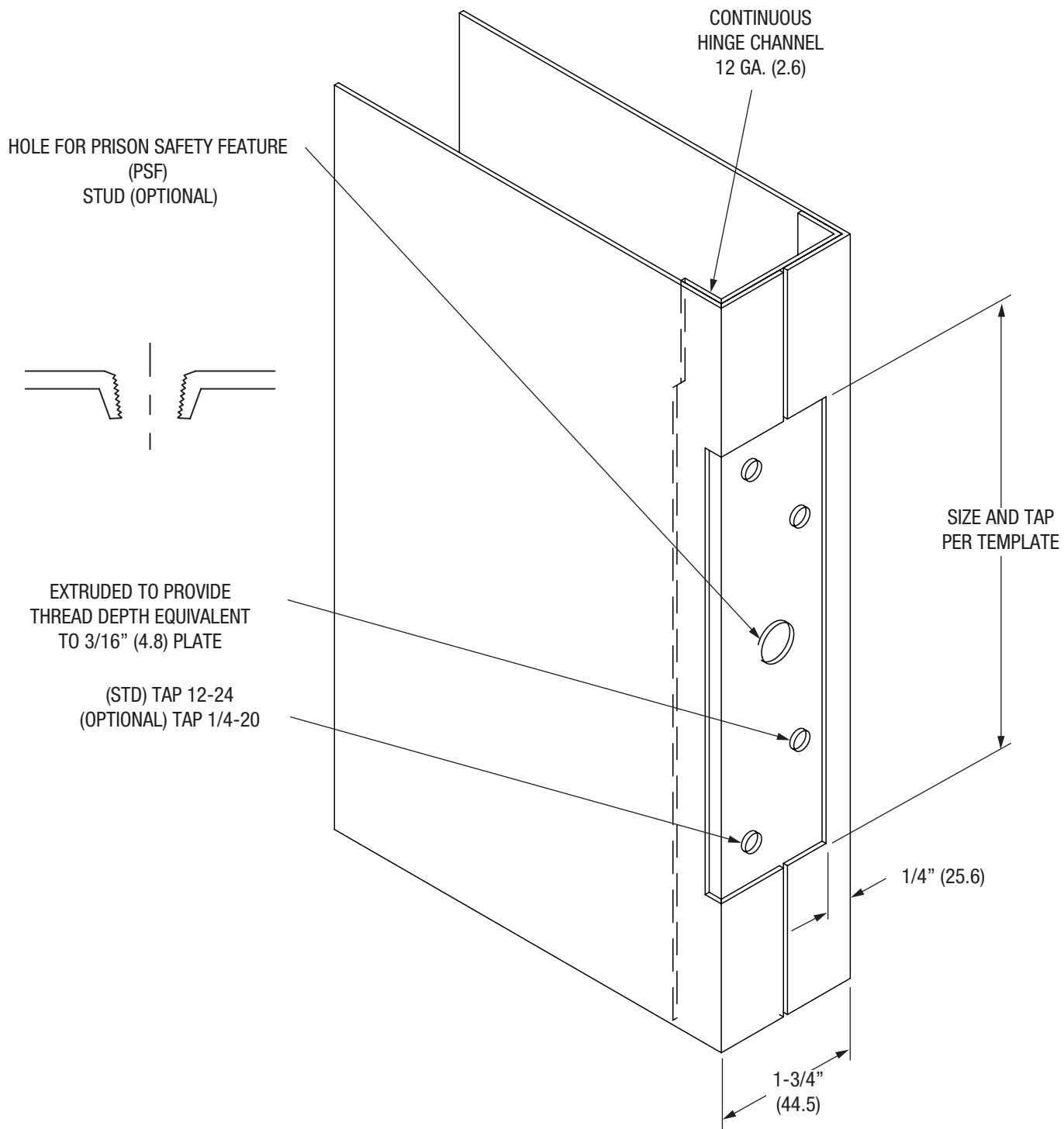




847 Security Door Hinge Channel Reinforcement

Door Technical Data

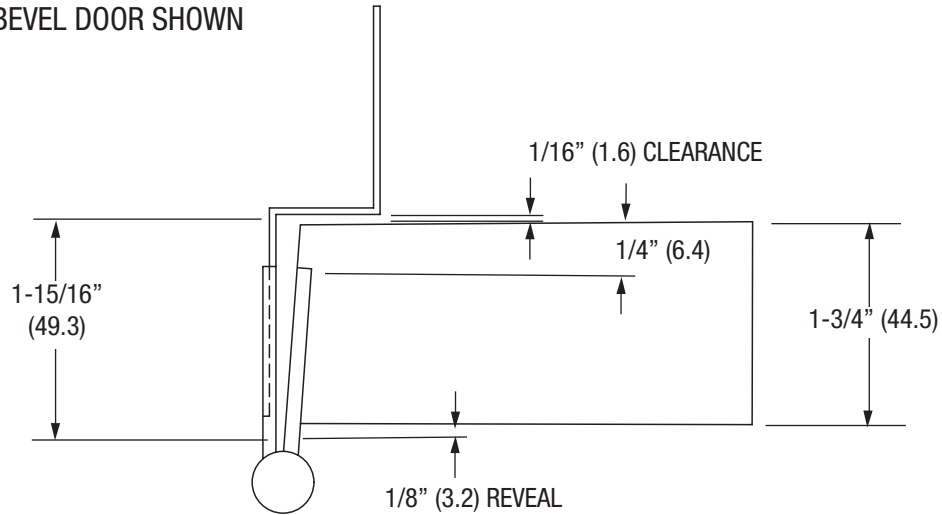
April, 2002



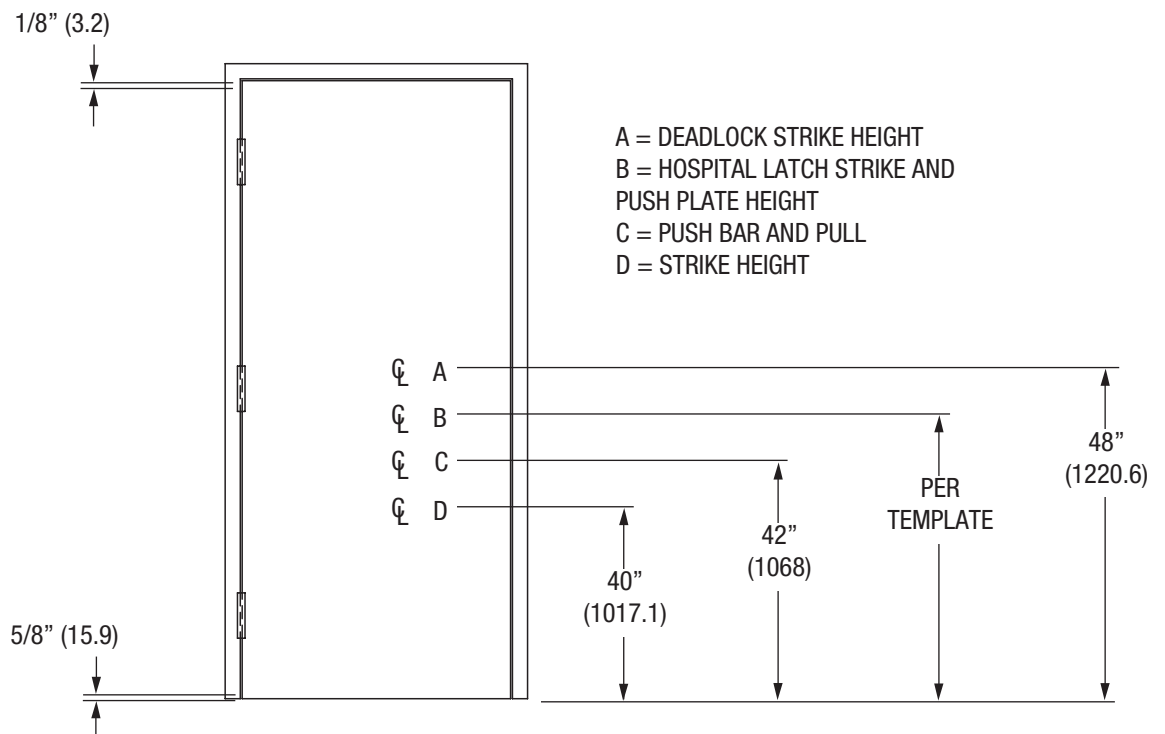


STANDARD HINGE BACKSET

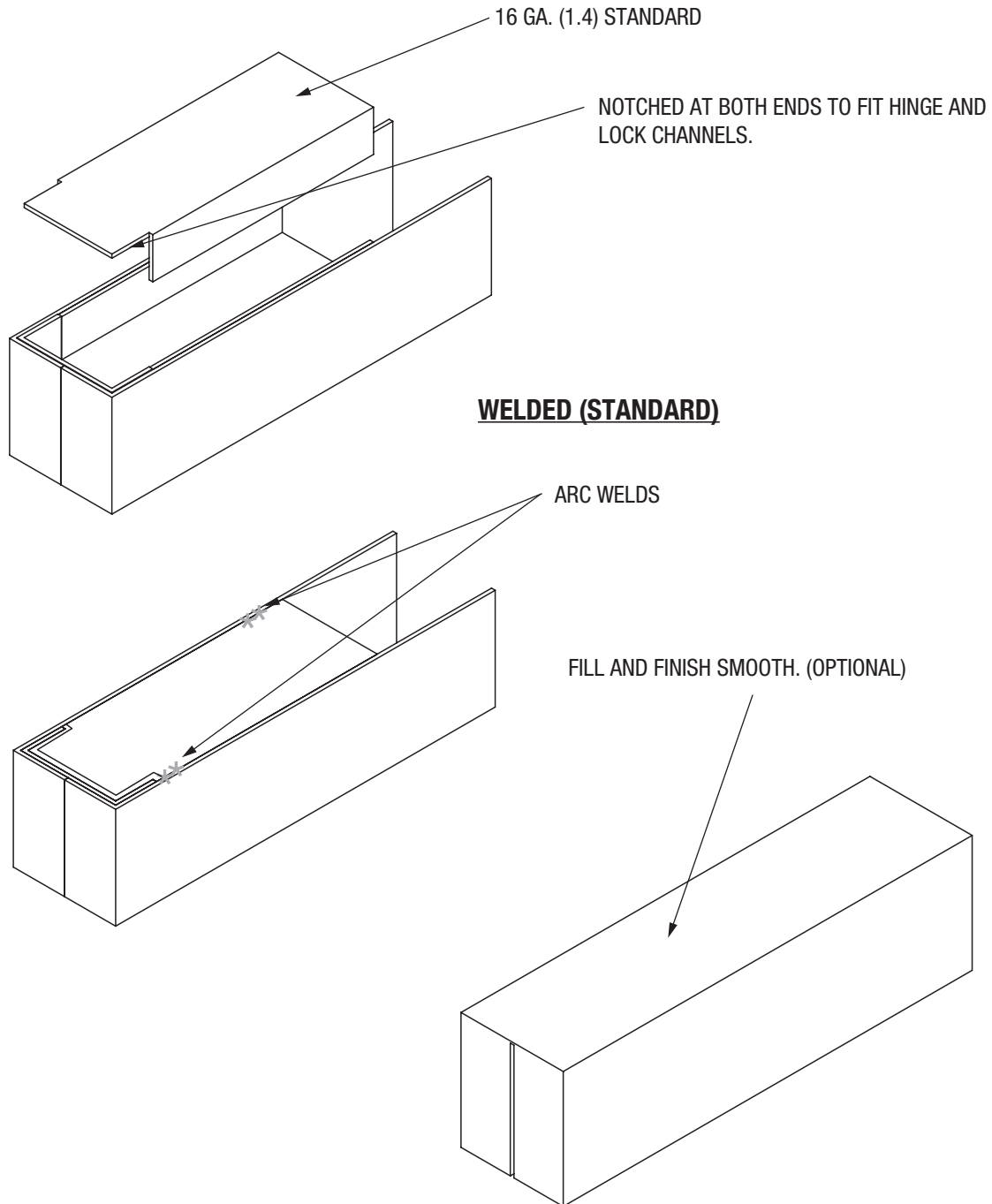
"G" BEVEL DOOR SHOWN



STRIKE LOCATIONS

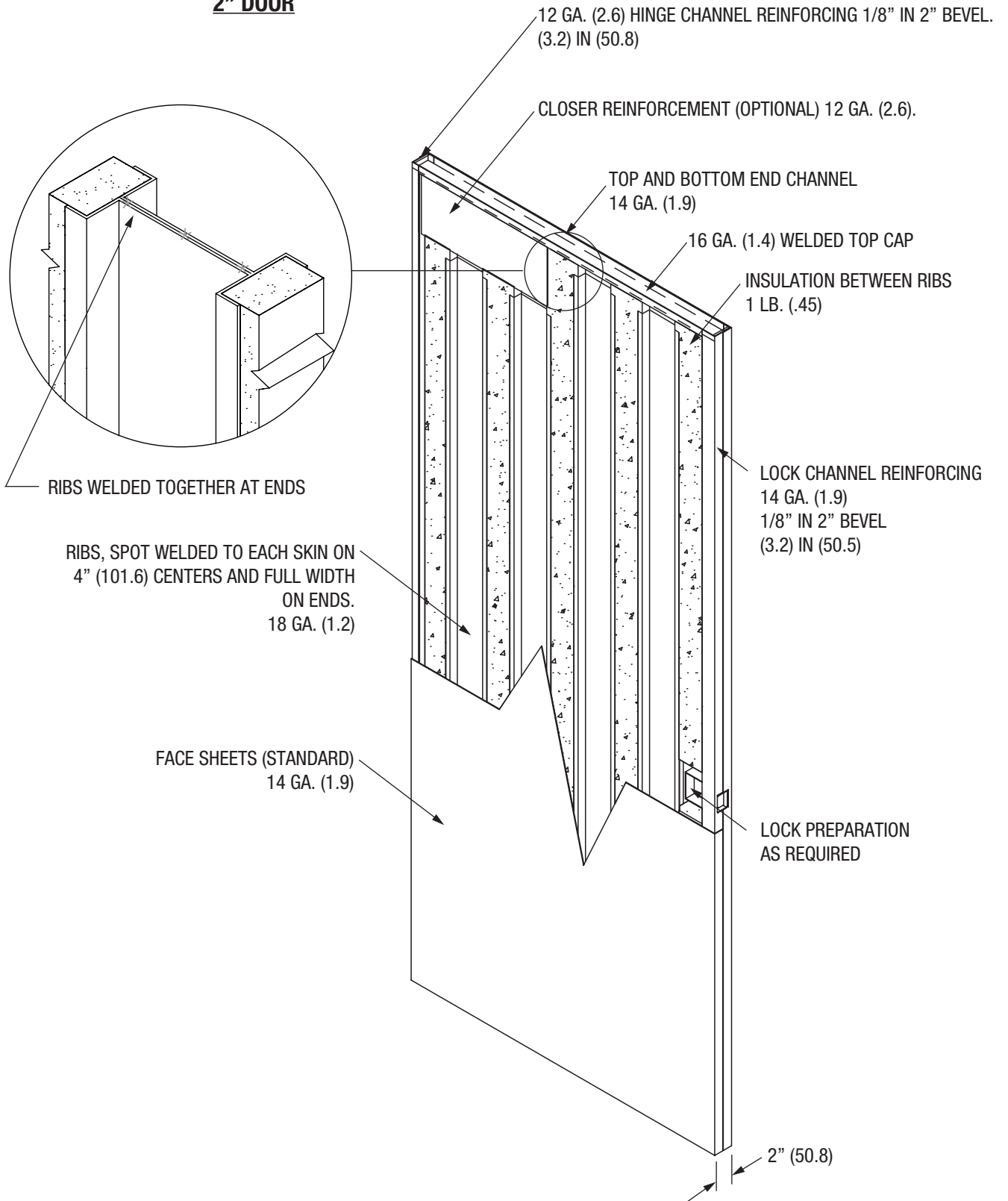


April, 2002





2" DOOR

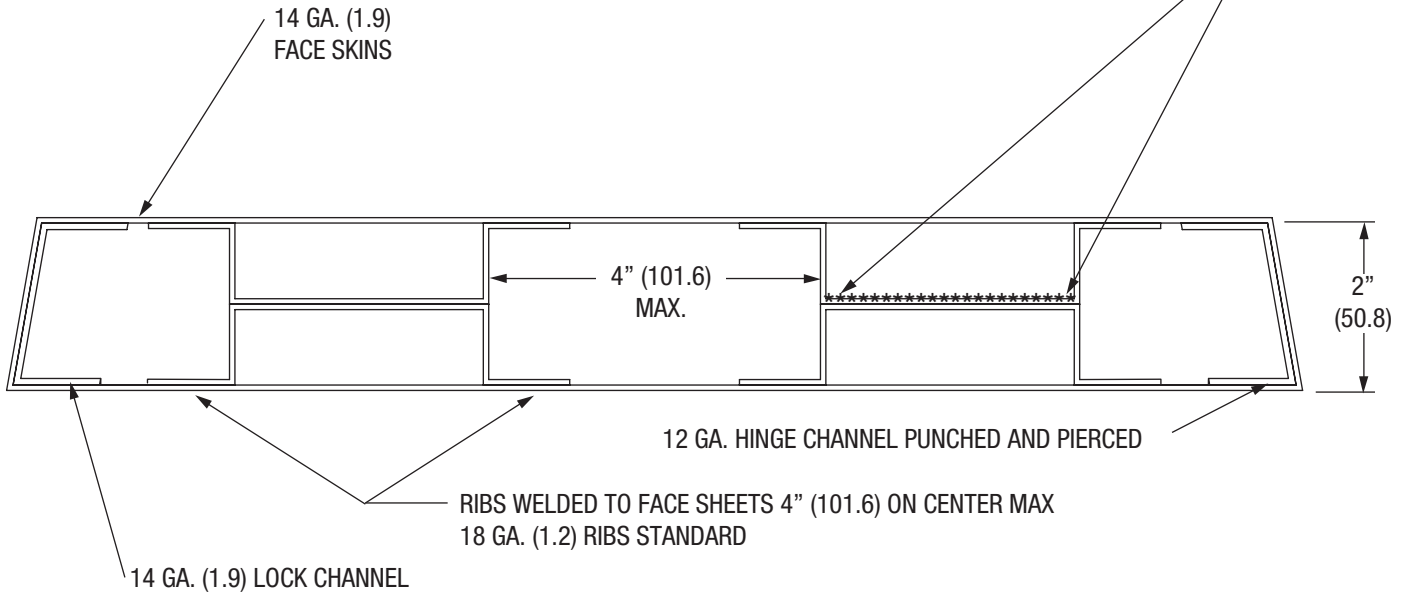


April, 2002



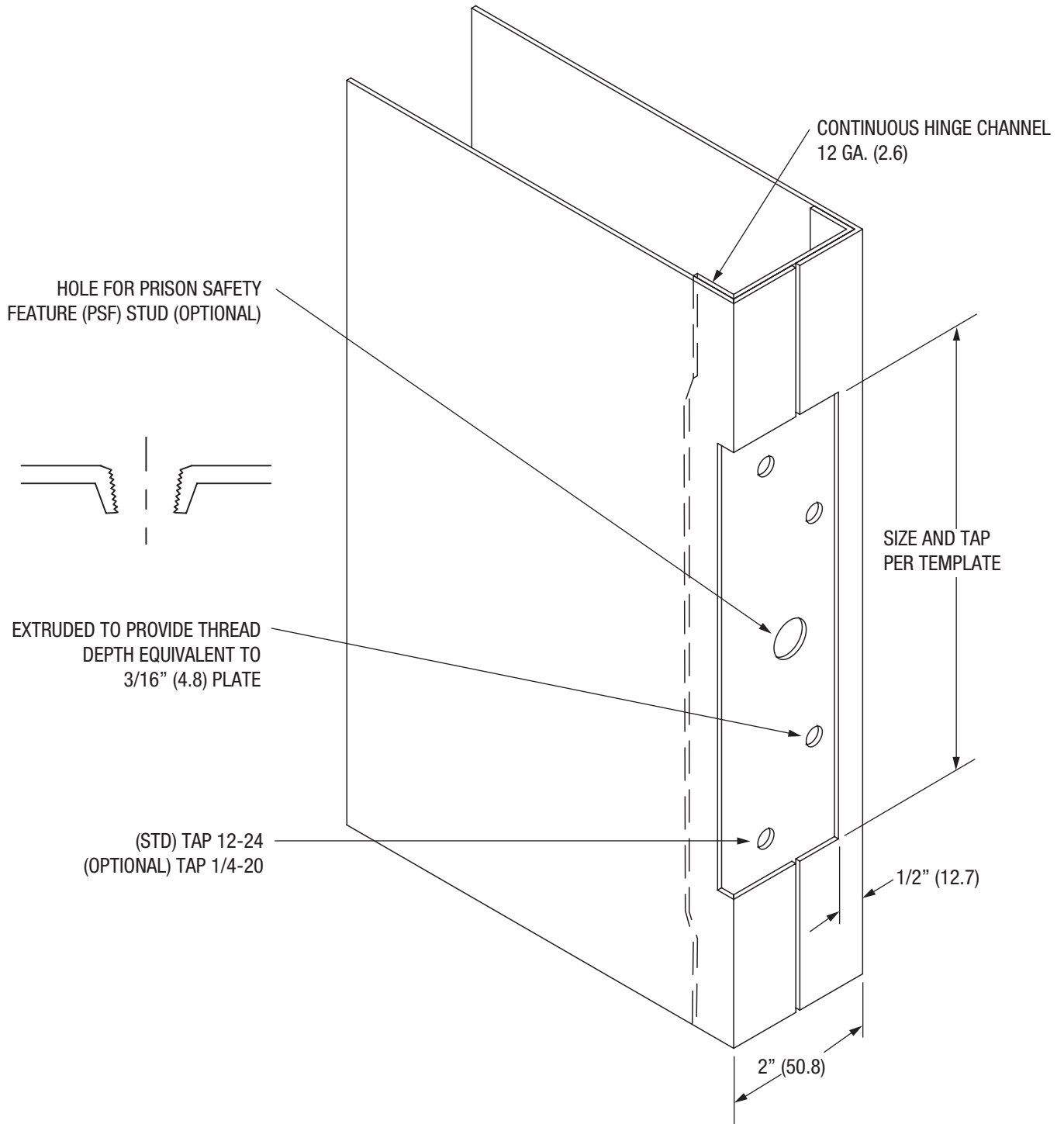
2" DOOR

NOTE: RIBS ARE WELDED FULL WIDTH ON ENDS





2" DOOR



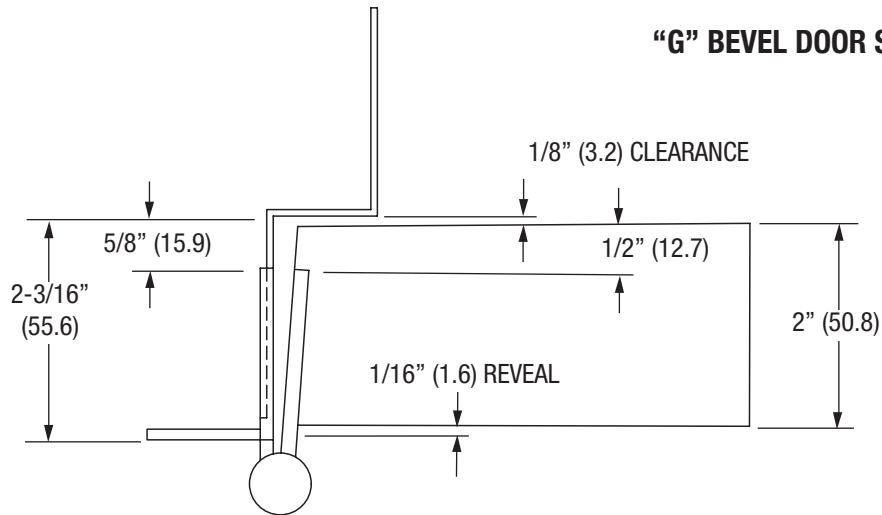
April, 2002



STANDARD HINGE BACKSET

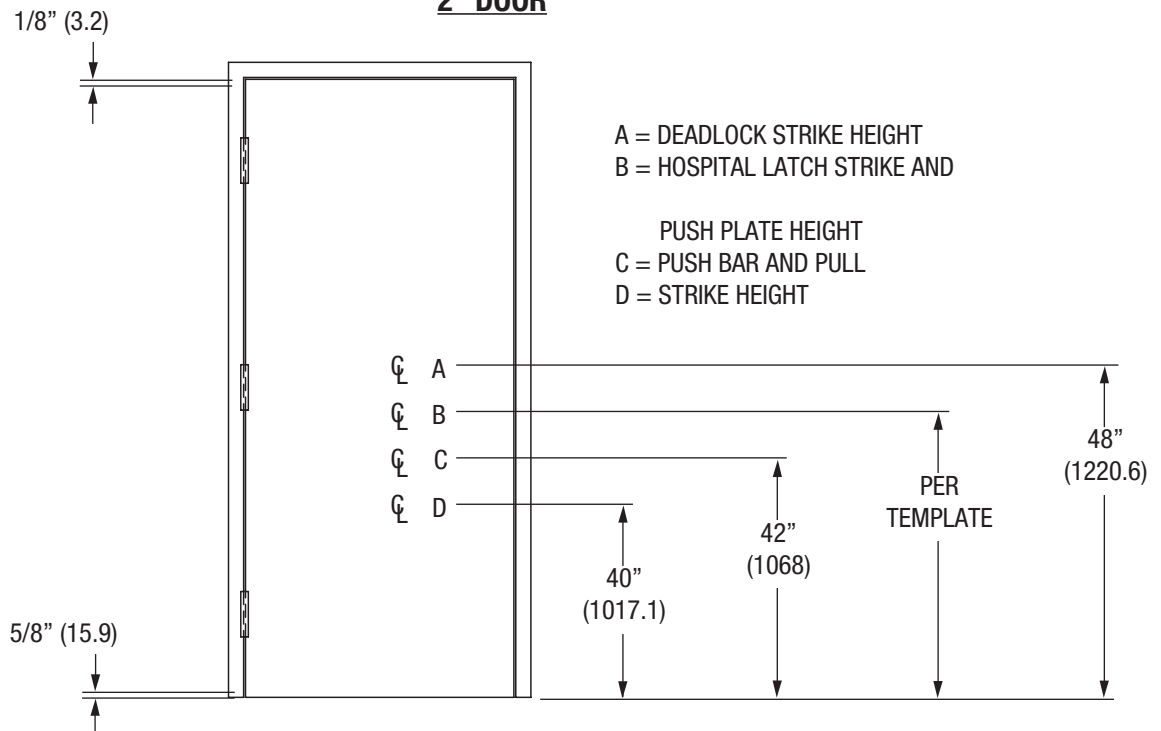
2" DOOR

"G" BEVEL DOOR SHOWN



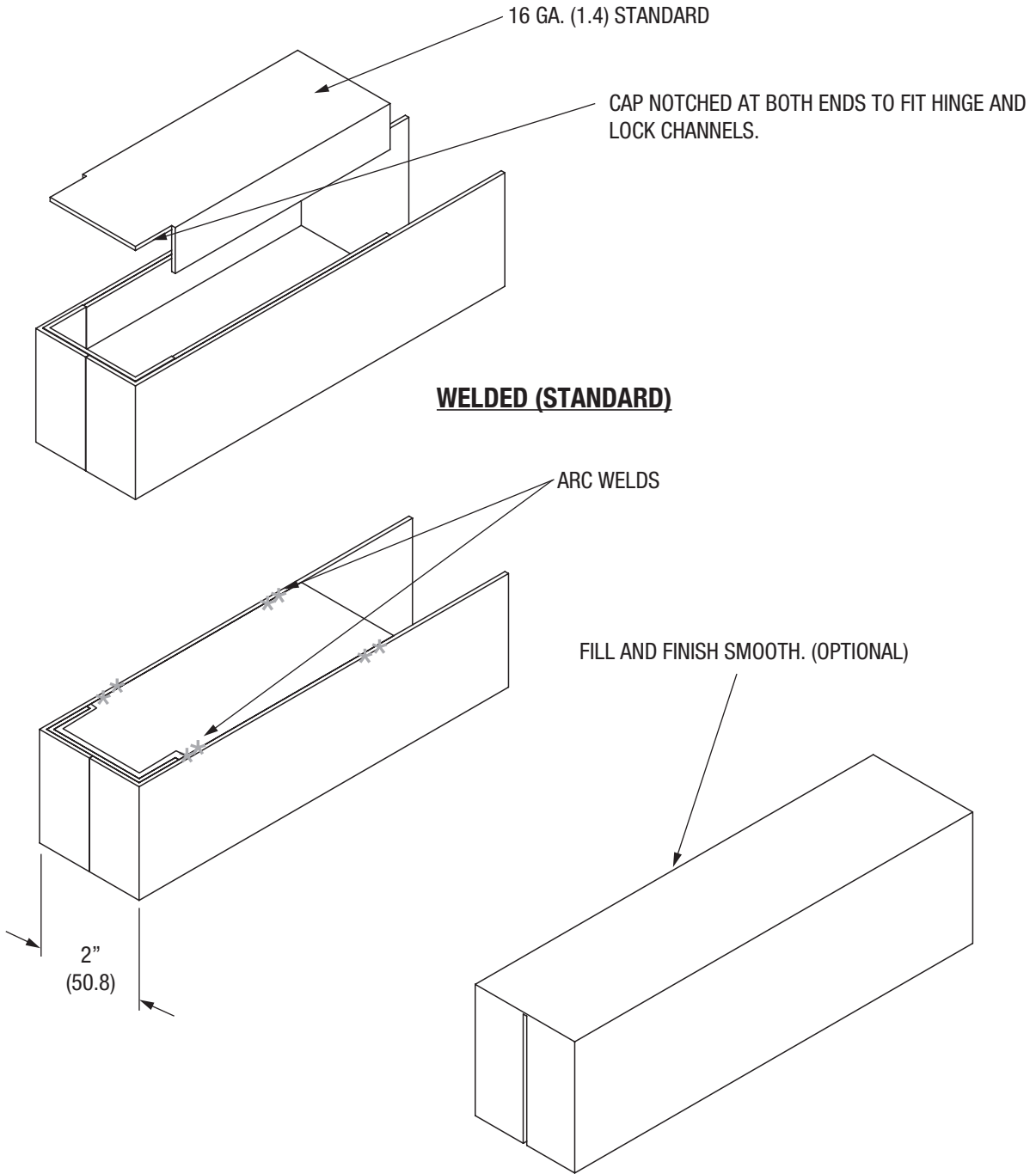
STRIKE LOCATIONS

2" DOOR





2" DOOR



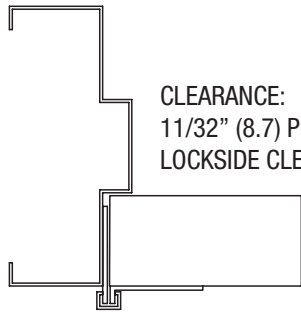
April, 2002



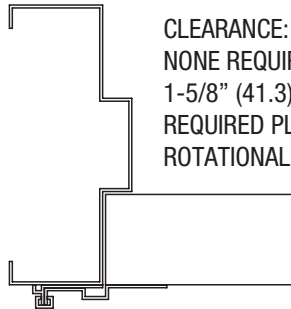
CONTINUOUS LOCK CHANNEL

NOTE: DOOR SIZE REQUIREMENTS DETERMINED BY HINGE MANUFACTURERS TEMPLATES AND MOUNTING INSTALLATION.

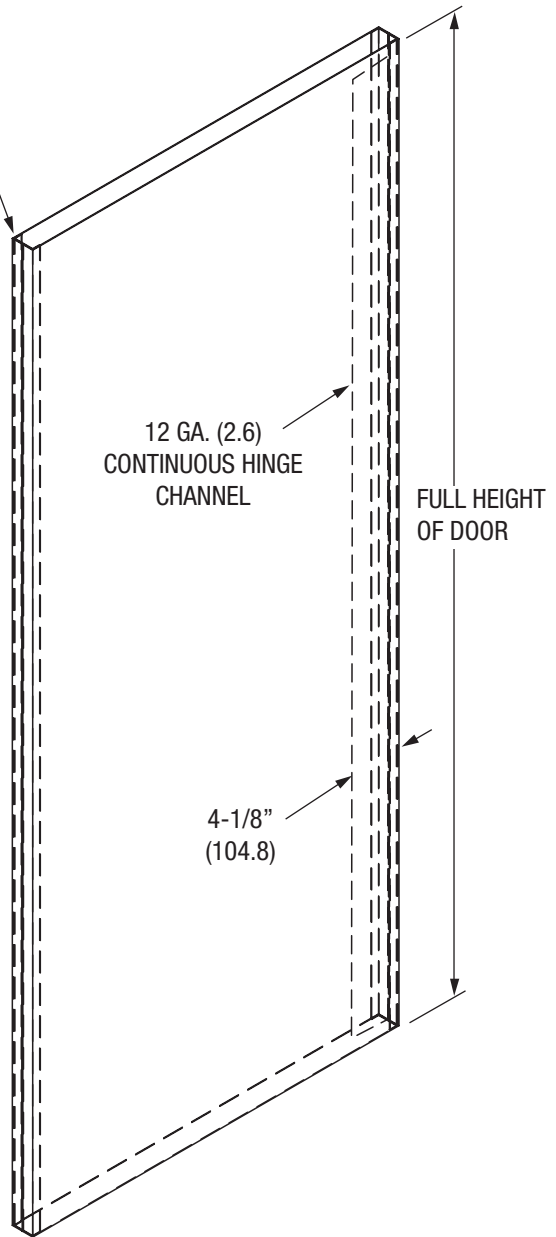
CONTINUOUS GEAR HINGE APPLICATIONS
(CLEARANCE VARIES PER MANUFACTURER)



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



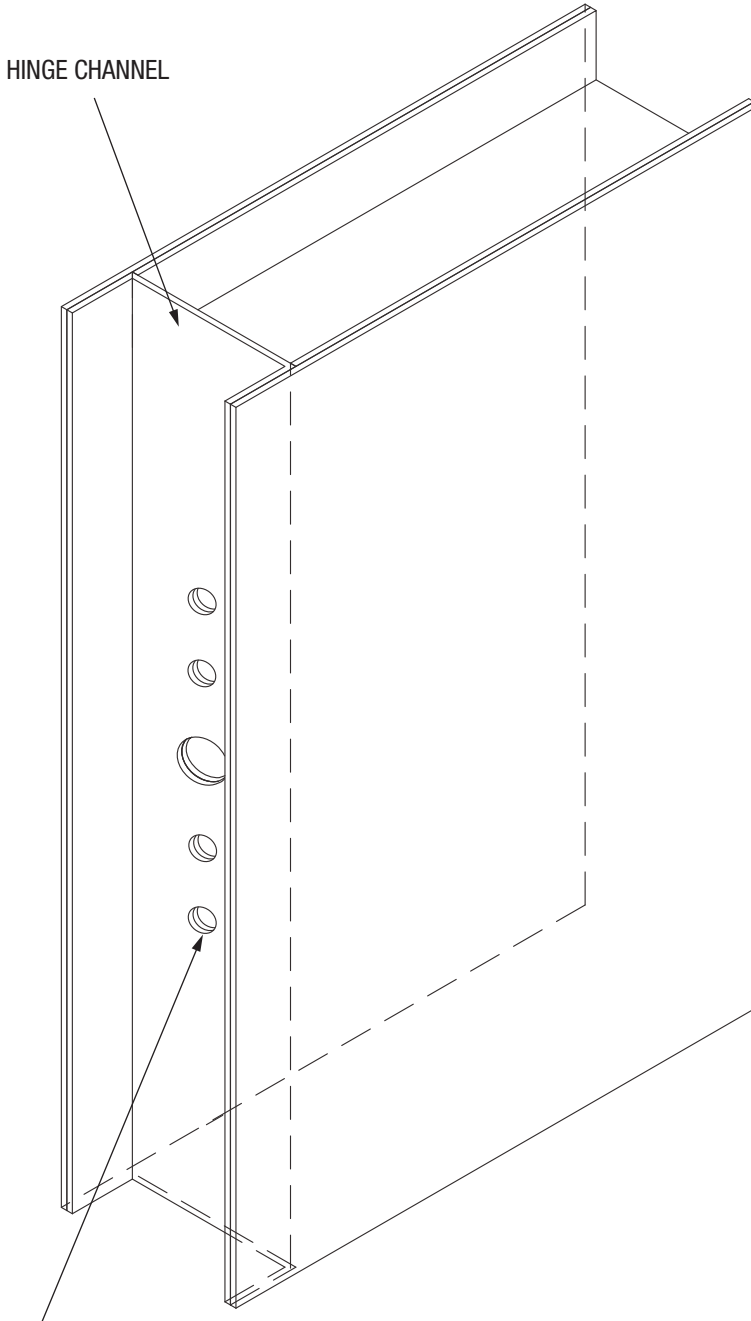
CLEARANCE:
NONE REQUIRED
1-5/8" (41.3) MINIMUM FRAME FACE
REQUIRED PLUS 3/16" (4.8)
ROTATIONAL CLEARANCE



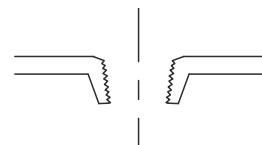
USE FOR SURFACE APPLIED BUTT AND CONTINUOUS HINGES WITHOUT THE NEED FOR THRU-BOLTS.



12 GA. (2.6) CONTINUOUS HINGE CHANNEL



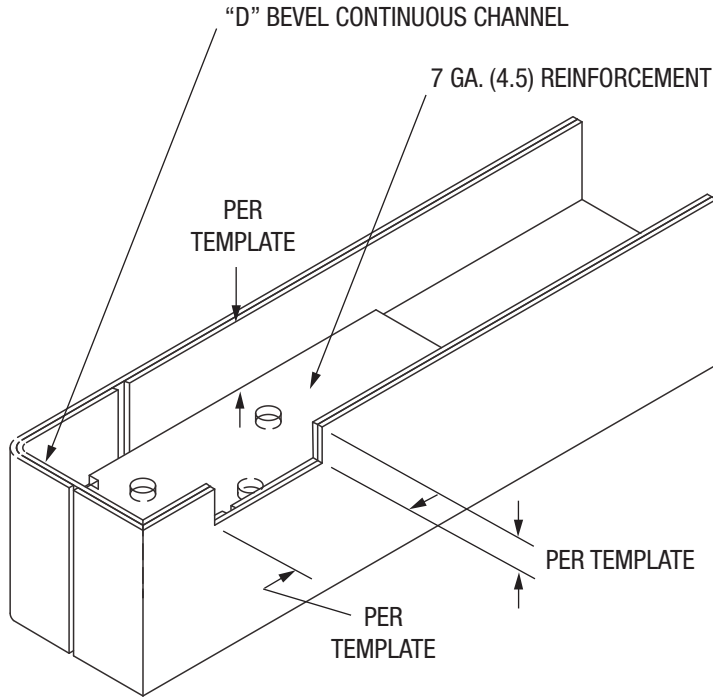
EXTRUDED AND TAPPED PER TEMPLATE
SCREW HOLES ARE EXTRUDED TO PROVIDE THREAD DEPTH
EQUAL TO 3/16" (4.8)



April, 2002

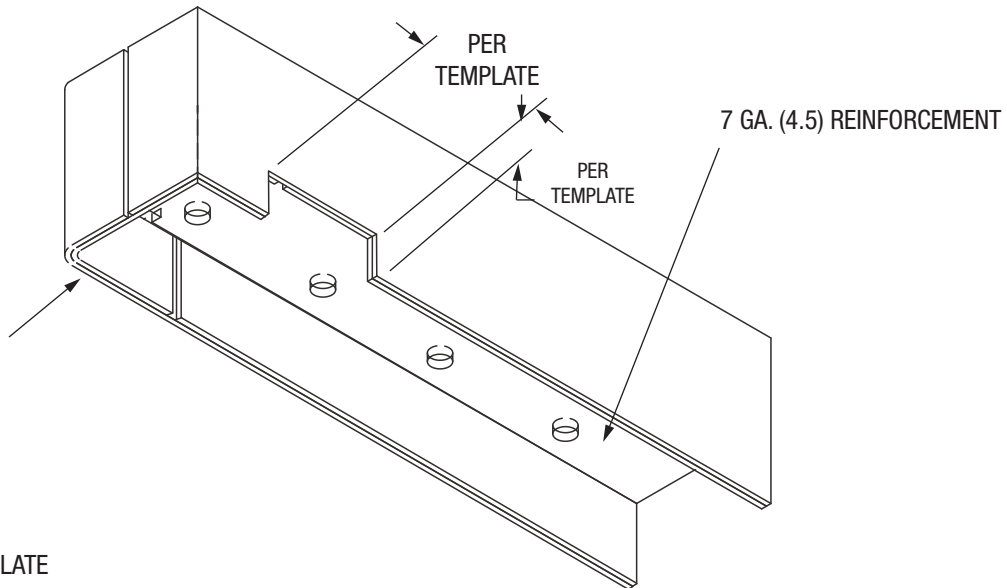


TOP PIVOT
SIZE AND TAP PER TEMPLATE



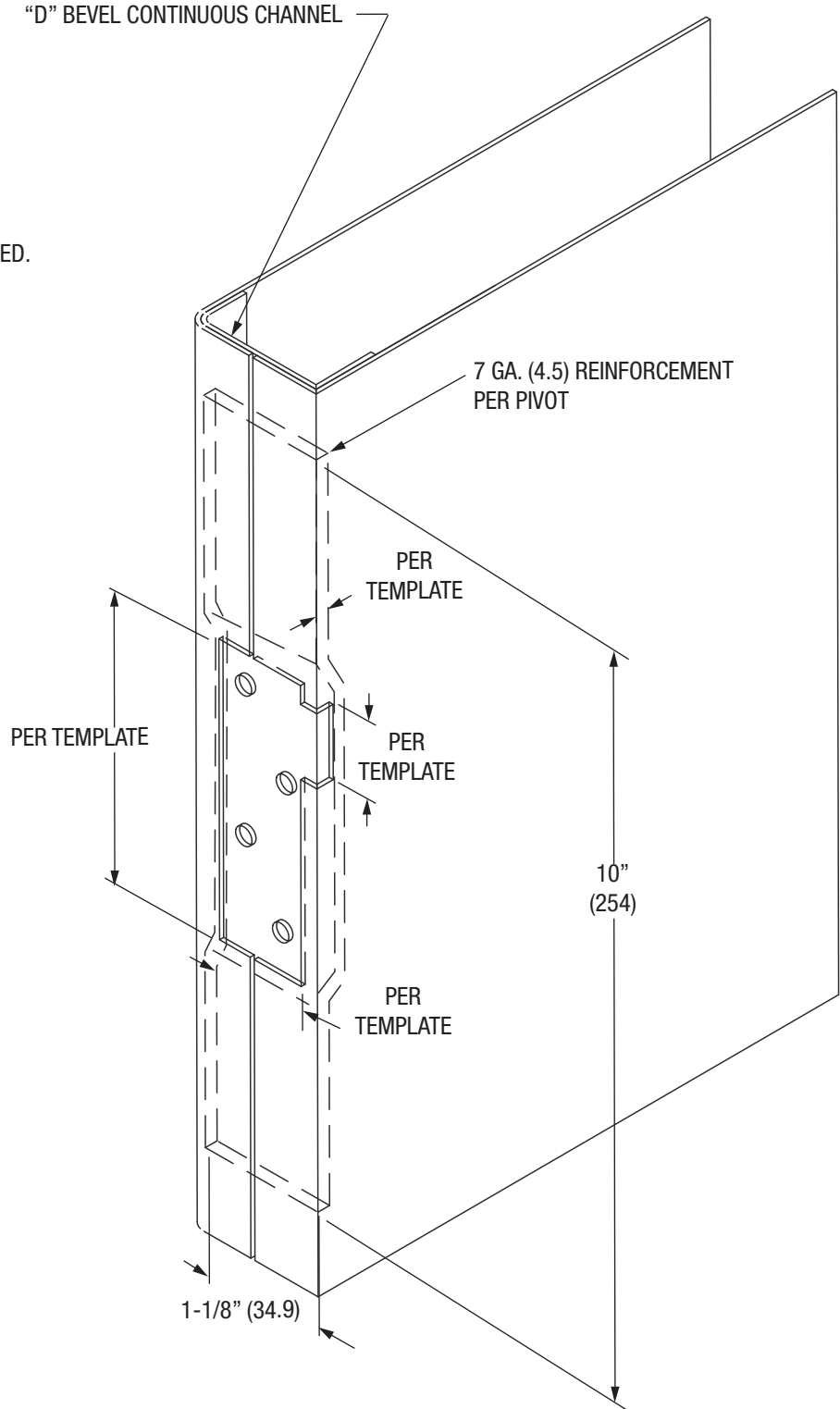
"D" BEVEL
CONTINUOUS CHANNEL

BOTTOM PIVOT
SIZE AND TAP PER TEMPLATE





NOTE: CURRIES PIVOT LOCATIONS ARE EQUALLY SPACED.

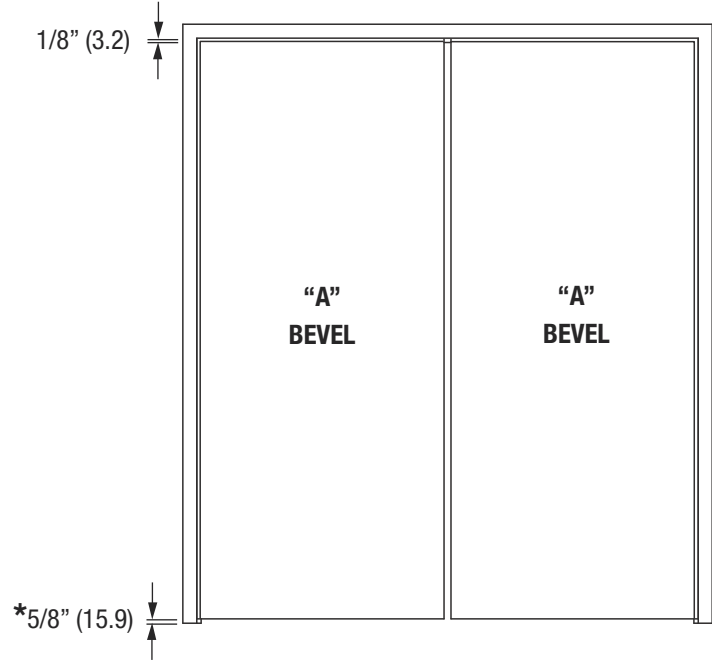
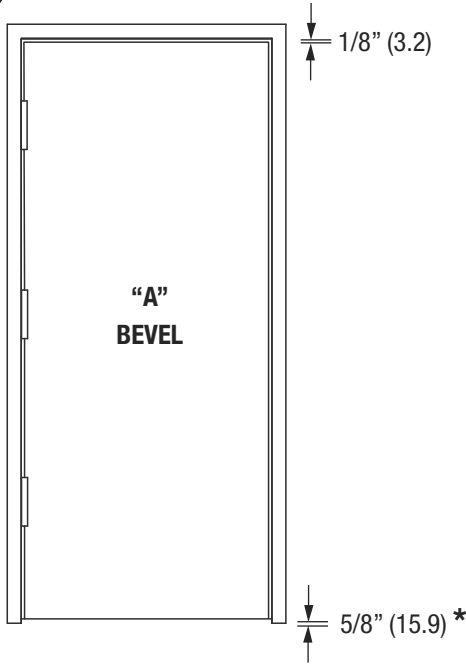


SIZE AND TAP PER TEMPLATE

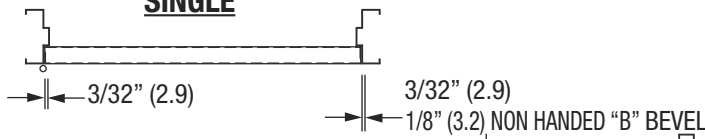
March, 2012

Doors ordered for other than CURRIES locations will get the standard undercut of the specified manufacturer.

L

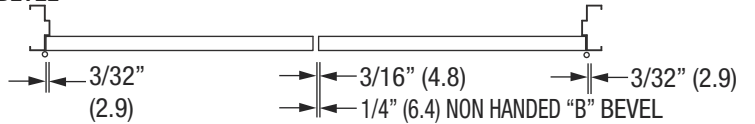


SINGLE

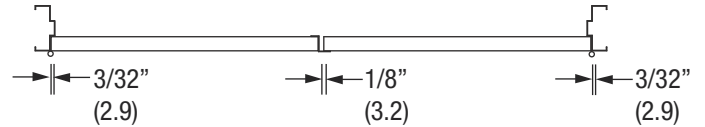


PAIR

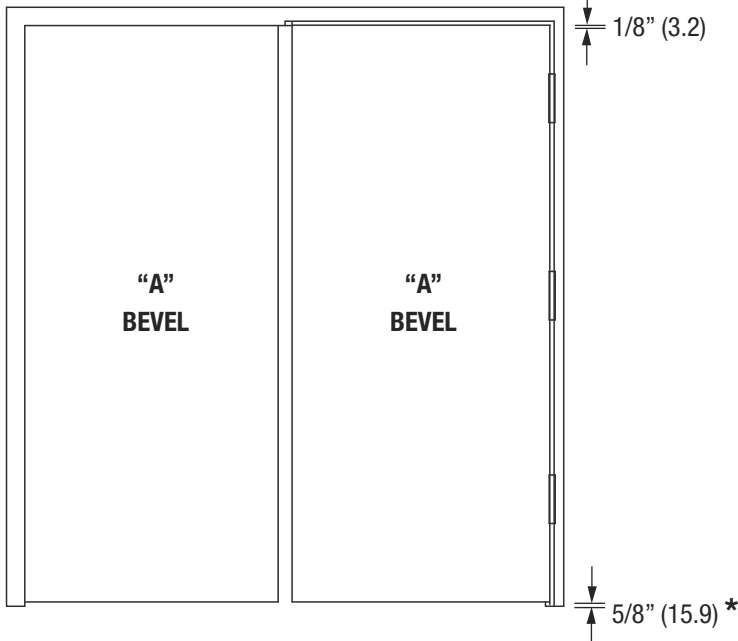
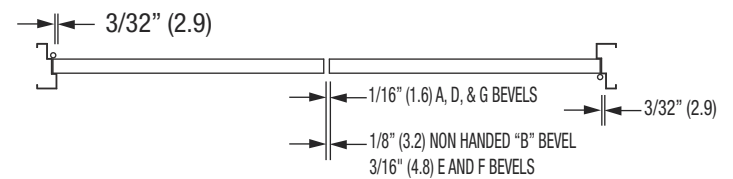
WITHOUT ASTRAGAL



WITH "Z" ASTRAGAL



DOUBLE EGRESS (E) +



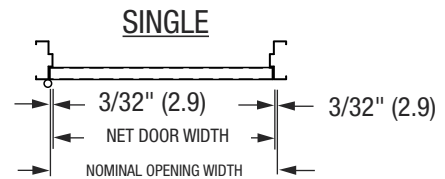
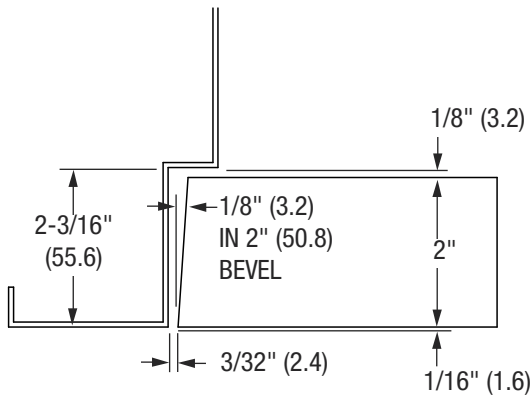
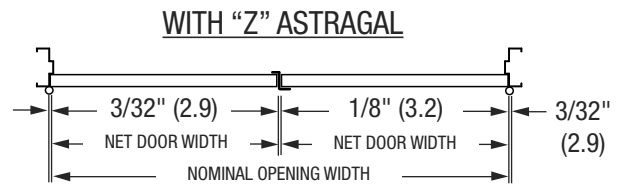
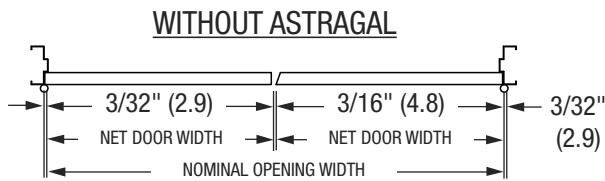
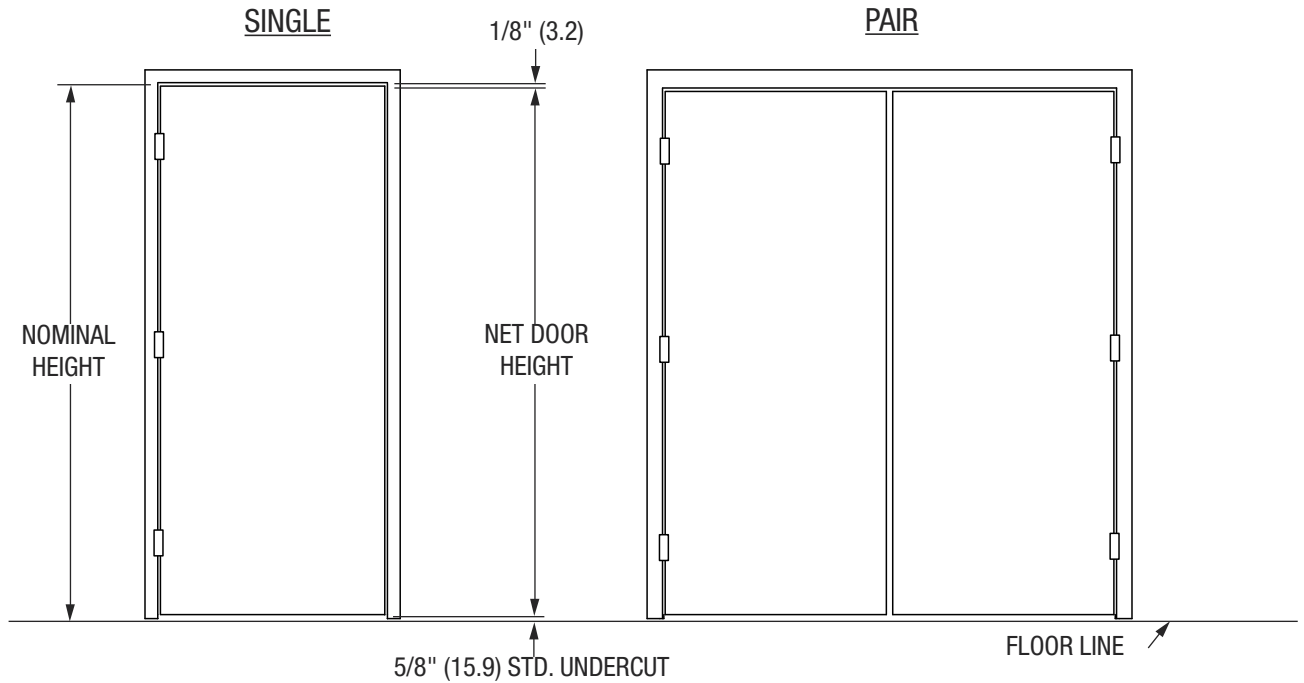
*** NOTE:** The 5/8" (15.9) standard bottom undercut shown on the above drawings are for 1-3/4" (44.5) doors, 1-3/8" (34.9) doors have a 3/4" (19.1) standard bottom undercut.

+ NOTE: E code (double opening) doors are oversize 1/16" from standard for double egress.

Doors ordered for other than CURRIES locations will get the standard undercut of the specified manufacturer.



2" DOOR



April, 2002



SQUARE



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

STANDARD DOOR BEVEL

SQUARE



SQUARE

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



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



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



SQUARE

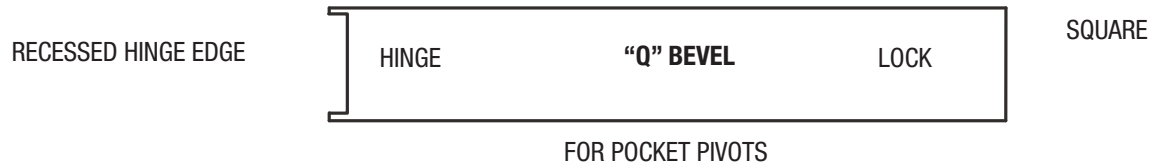
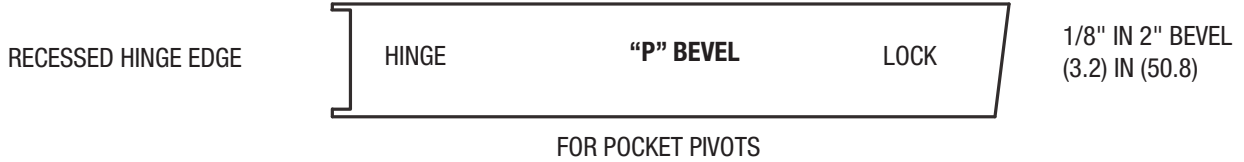
BULL NOSE BOTH ENDS ("N" OR "T" EDGE ONLY)
REQUIRED WITH DOUBLE ACTING HARDWARE
VERIFY ALL HARDWARE ADAPTABILITY

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



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

SPECIAL DOOR BEVEL
(DOUBLE BEVEL)



847 - 857 - Security Door Bevels

2" DOOR



STANDARD DOOR BEVEL
(DOUBLE BEVEL)



January, 2007

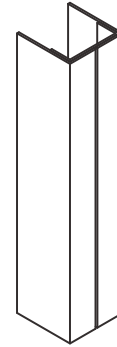


Visible Edge Seam Types "S"

1. Skins are spot welded to hinge and lock channels

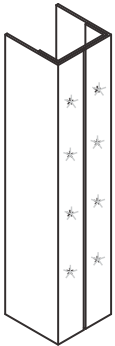


2. Spot welds are filled and ground smooth



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

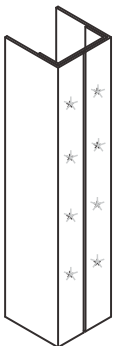


3. All welds and seams are filled and ground smooth

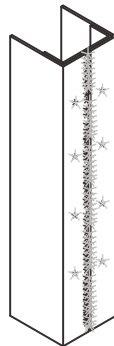


Flush Edge Seam Welded and Filled Type "T"

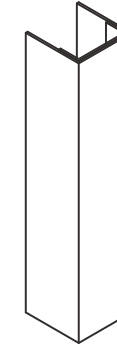
1. Skins are spot welded to hinge and lock channels



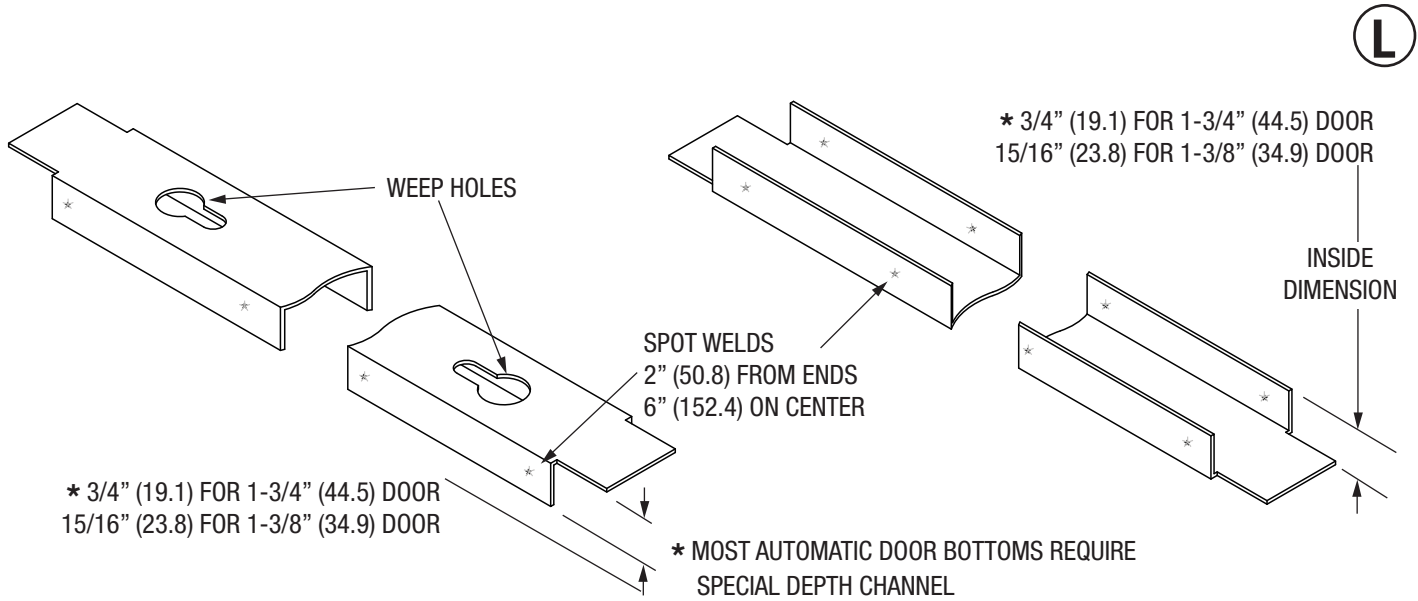
2. Continuously weld seam full height of edges



3. All welds and seams are filled and ground smooth



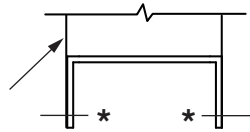
Standard Top/Bottom End Channels



BOTTOM CHANNEL

16 GA. (1.4)

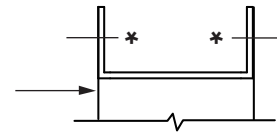
DOOR SKIN



TOP CHANNEL

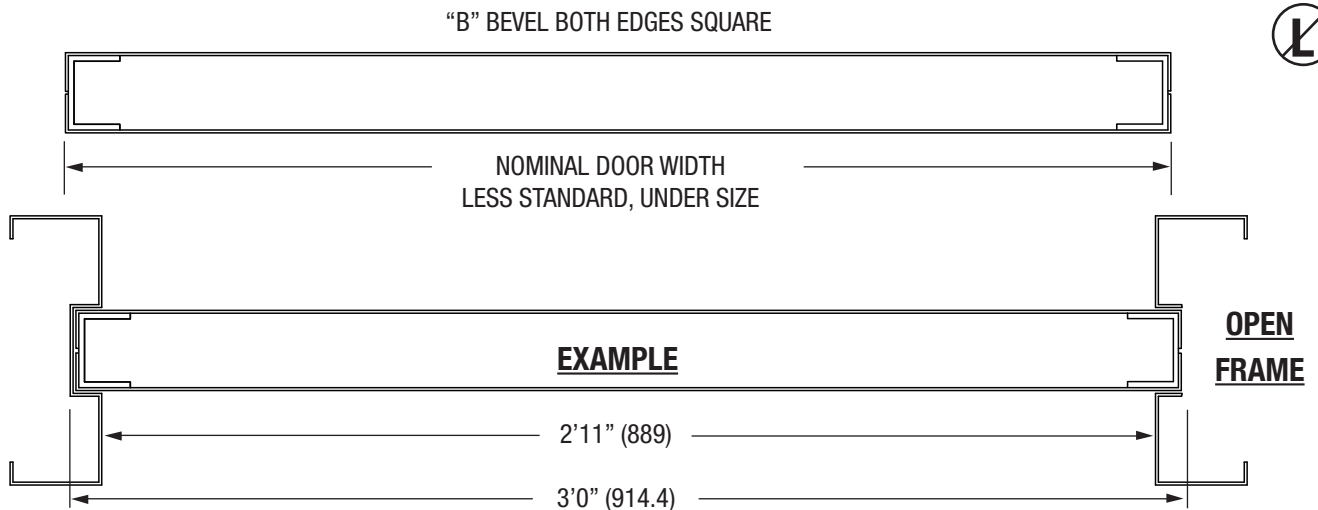
16 GA. (1.4)

DOOR SKIN

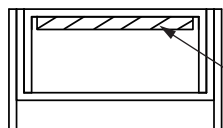


NOTE - CHANNEL GAUGE MAY VARY WITH DOOR SERIES

Pocket Door



TOP OF DOOR

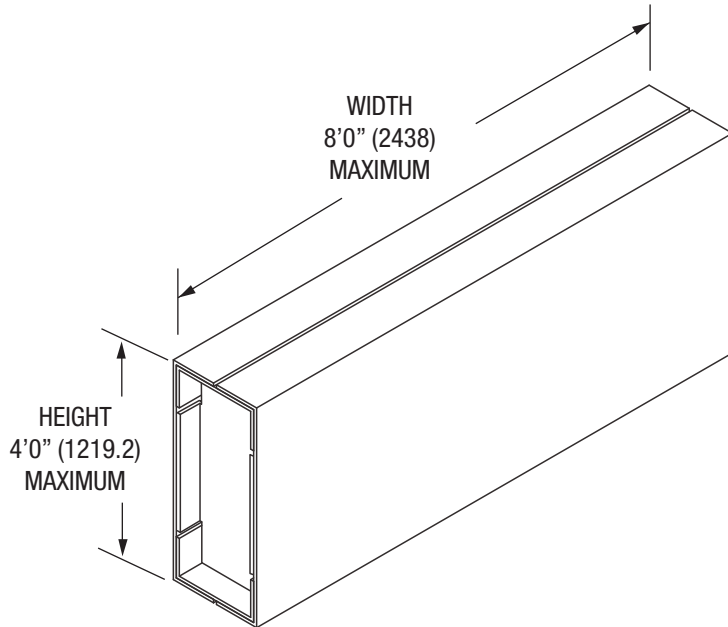


NOMINAL 3'0" (914.4) POCKET DOOR AND FRAME HAS A NET 2'11" (889) FRAME OPENING.

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

September, 2010

L LABELED**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.

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

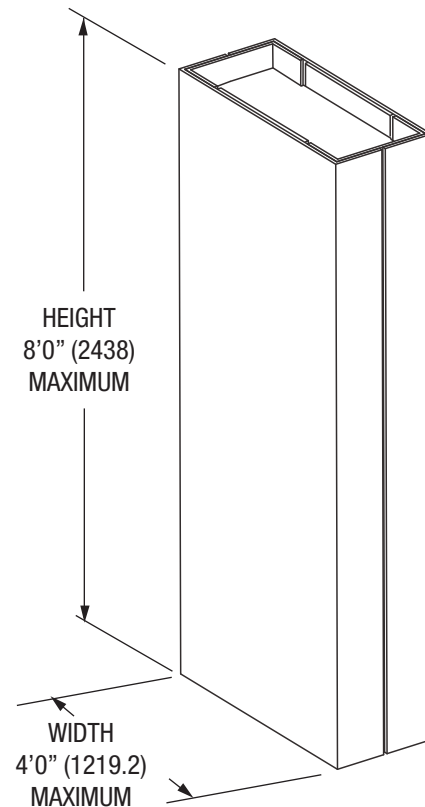
SIDE PANELS

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.

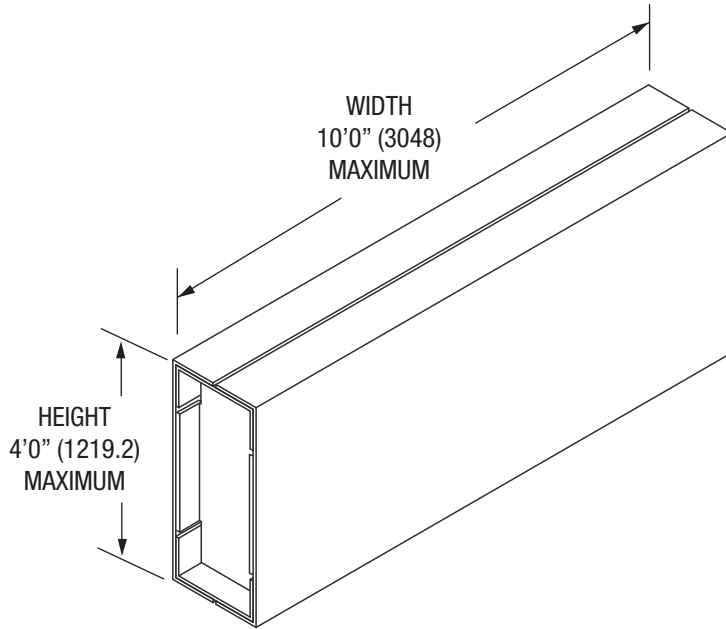
VERTICAL CHANNELS

"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.

Standard Top/Bottom End Channels



HORIZONTAL CHANNELS



"B" BEVEL BOTH EDGES SQUARE

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.

VERTICAL CHANNELS



"B" BEVEL BOTH EDGES SQUARE

NON-LABELED

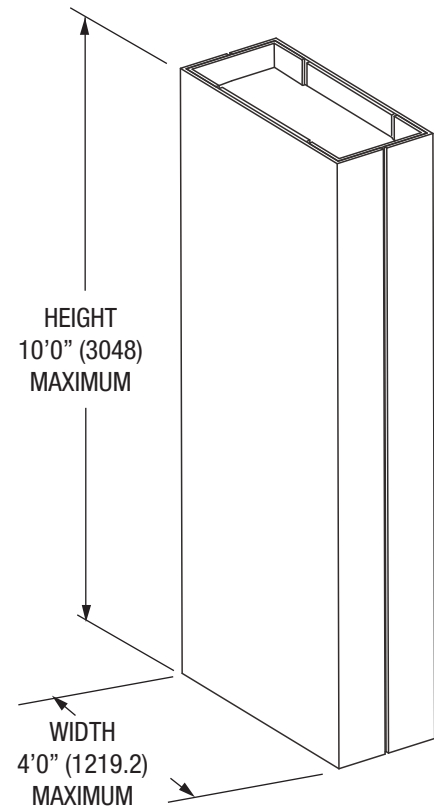
TRANSOM PANELS

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)

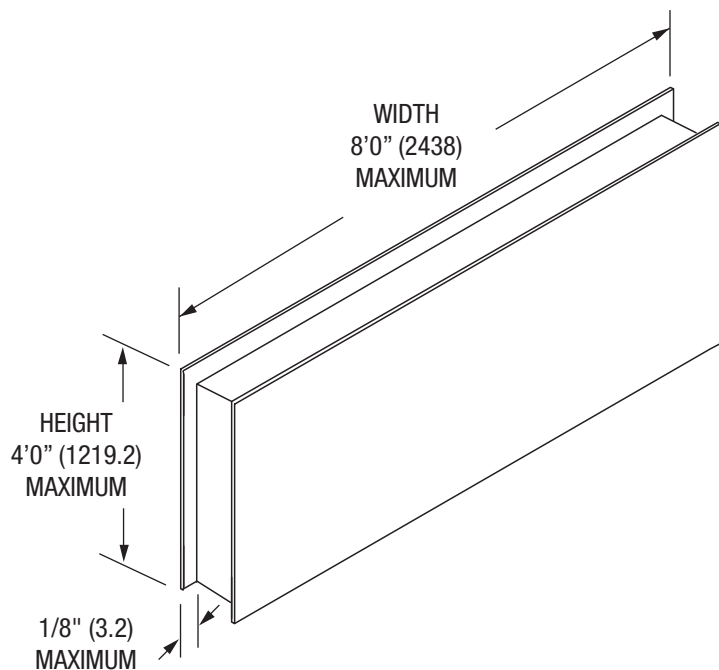


30B
Mineral Fibreboard Core Panel-Transom/Side Areas 1/2" Thick
 Door Technical Data



September, 2010

L **LABELED**



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:

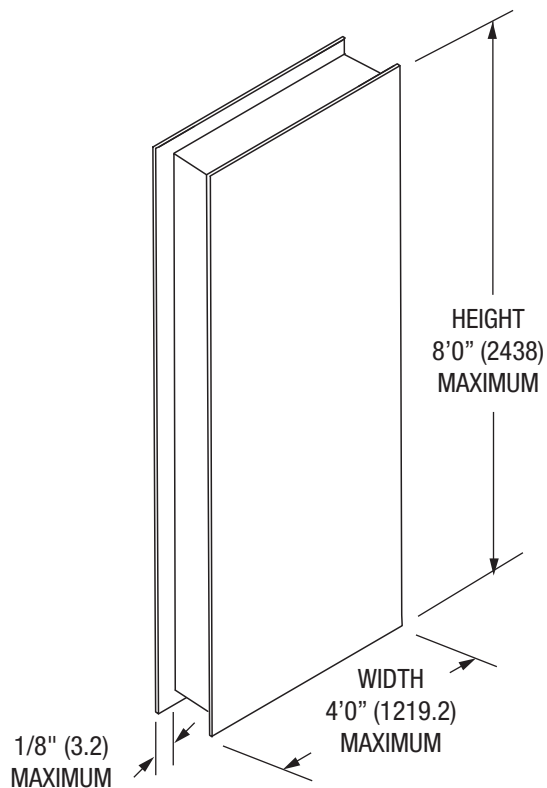
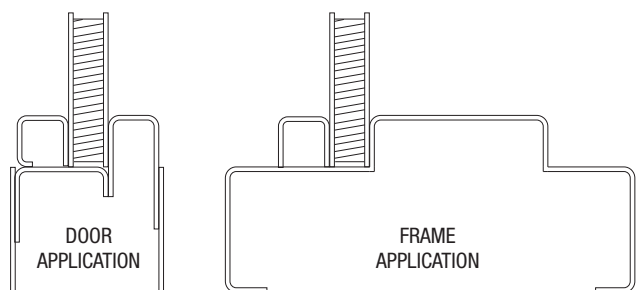
1. PANEL INSTALLED WITH GLASS STOP
2. PANEL INSTALLED INTO DOOR WINDOW KIT

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

NOTE: REFERENCE LABEL SECTION OF TECH DATA MANUAL FOR MAXIMUM SQUARE INCH SIZE CAPABILITIES FOR DOORS AND FRAMES.



NON-LABELED 

TRANSOM PANELS

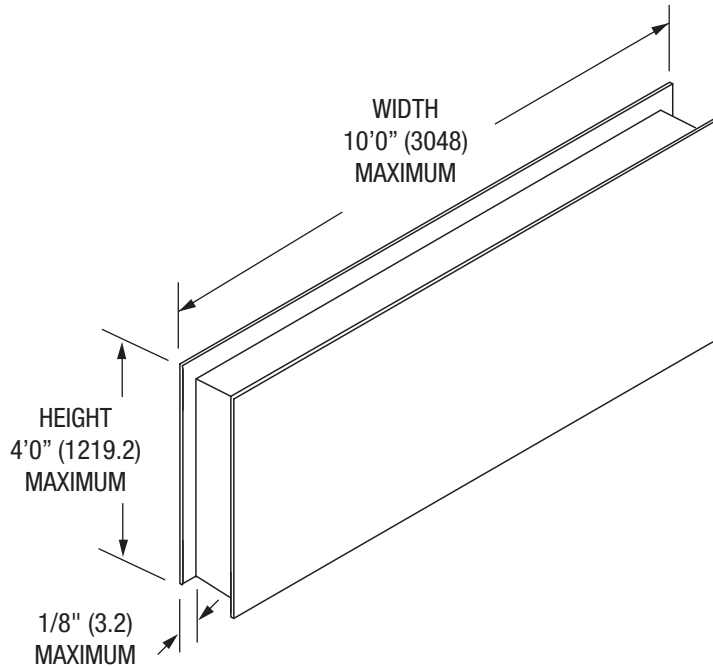
SPECIFY USE OF PANEL AND LIST NOMINAL FRAME OPENING FOR CORRECT PANEL UNDERSIZING.

- 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

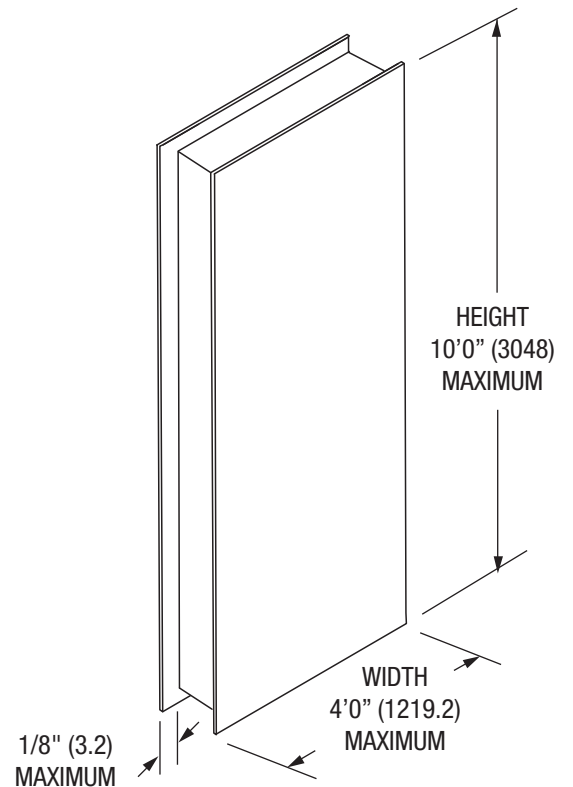
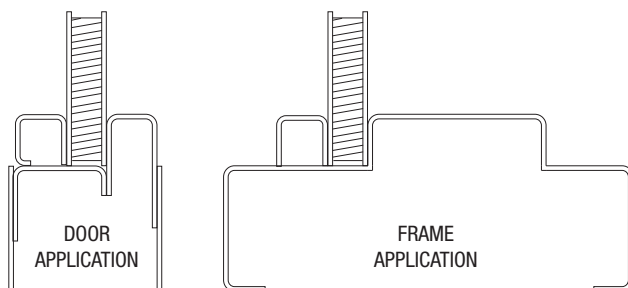


SIDE PANELS AND/OR DOOR PANELS

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



30D
Notes

Door Technical Data

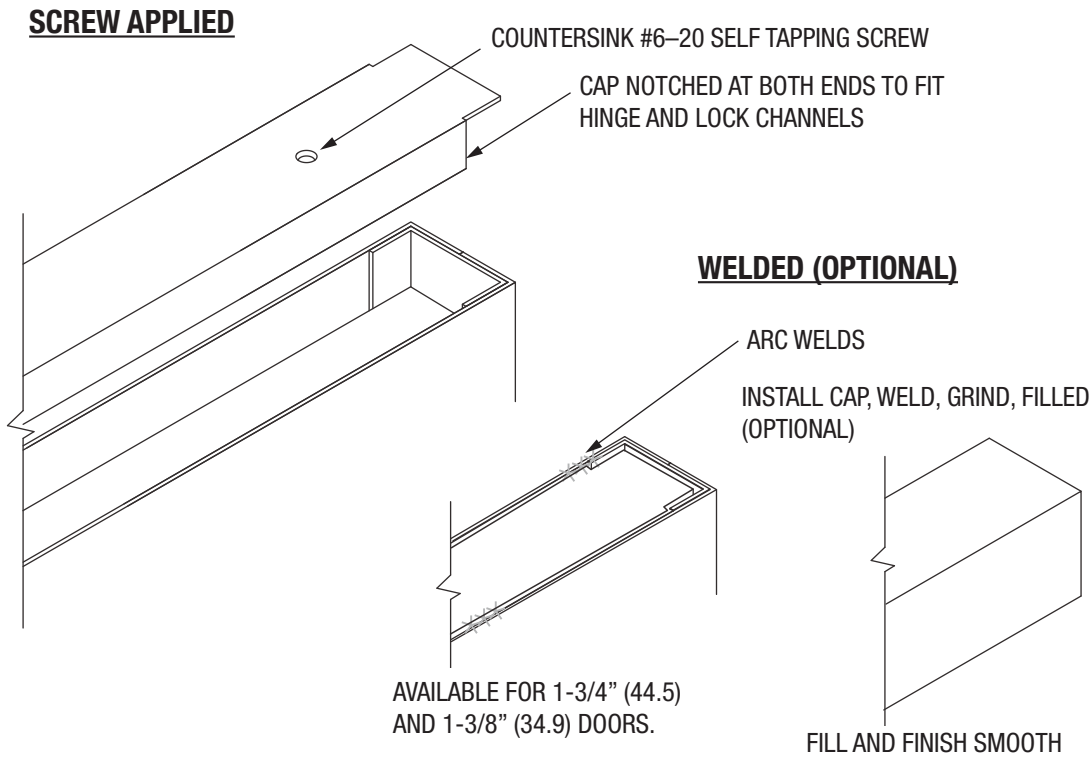
September, 2010

 **CURRIES**

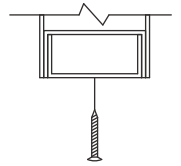
ASSA ABLOY

Steel Top/Bottom Filler Cap

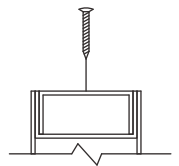
STANDARD 20 GA. (.9) GALVANEAELED



END VIEW
BOTTOM CAP

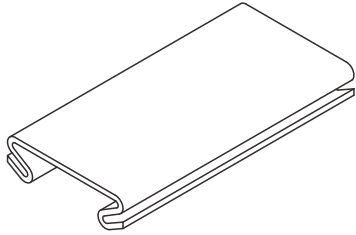
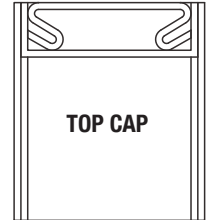
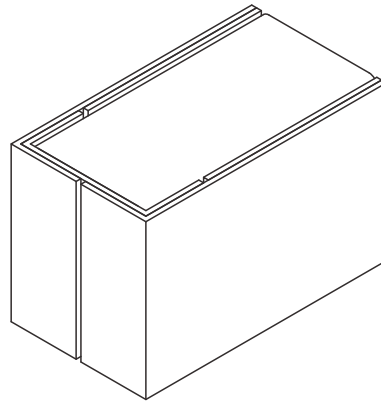
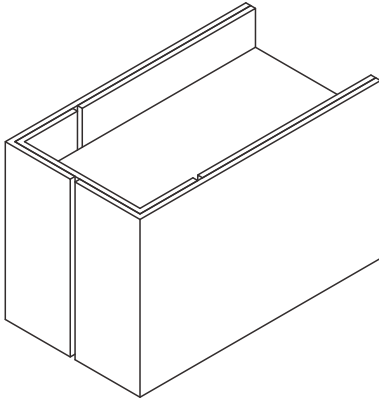
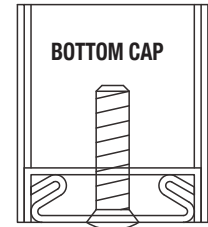
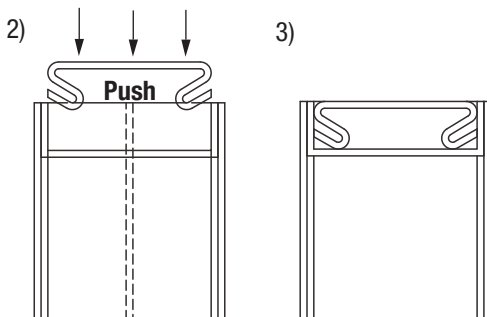
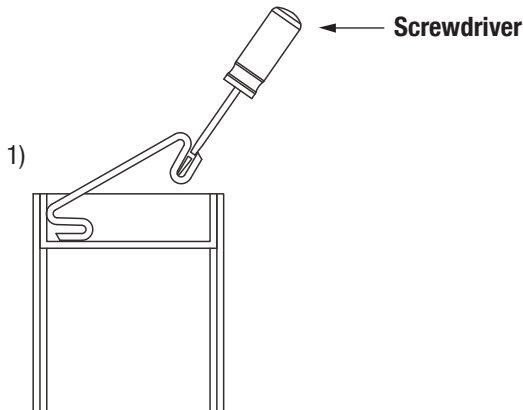


END VIEW
TOP CAP



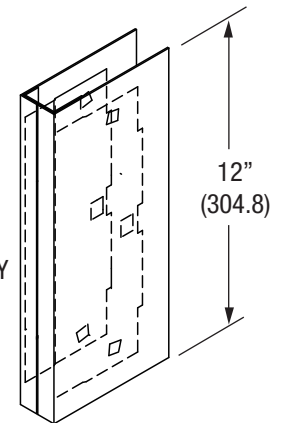
CAPS ARE RECESSED TO ALLOW FOR FILL AND FINISH

April, 2002

**24 GA. (.6) GALVANEAL**AVAILABLE FOR 1-3/4" (44.5) DOORS ONLY.
607 AND 707 SERIES WITH 14 GAUGE HINGE CHANNEL.**END VIEW****SCREW
RECOMMENDED****INSTALLATION INSTRUCTIONS**

- 1) PLACE ONE LEG OF THE TOP CAP 1/8" INTO THE THROAT OF THE END CHANNEL. PLACE A STRAIGHT BLADE SCREW DRIVER IN THE BEND RADIUS AT ONE END OF THE TOP CAP AS SHOWN. USING A HAMMER TAP ON THE SCREW DRIVER TO START THE TOP CAP INTO THE THROAT OF THE END CHANNEL. PROCEED BY INCREMENTS FROM ONE END OF THE TOP CAP ACROSS TO THE OPPOSITE END. CARE SHOULD BE TAKEN NOT TO FORCE THE TOP CAP.
- 2) BOTH LEGS OF THE TOP CAP SHOULD BE COMPLETELY STARTED INTO THE THROAT OF THE END CHANNEL. THE TOP CAP CAN NOW BE PUSHED INTO THE END CHANNEL. A RUBBER HAMMER MAY BE NECESSARY TO SEAT THE TOP CAP COMPLETELY INTO THE END CHANNEL.
- 3) THE TOP CAP IS DESIGNED TO BE FLUSH TO SLIGHTLY BELOW THE LEGS OF THE END CHANNEL.

September, 2008

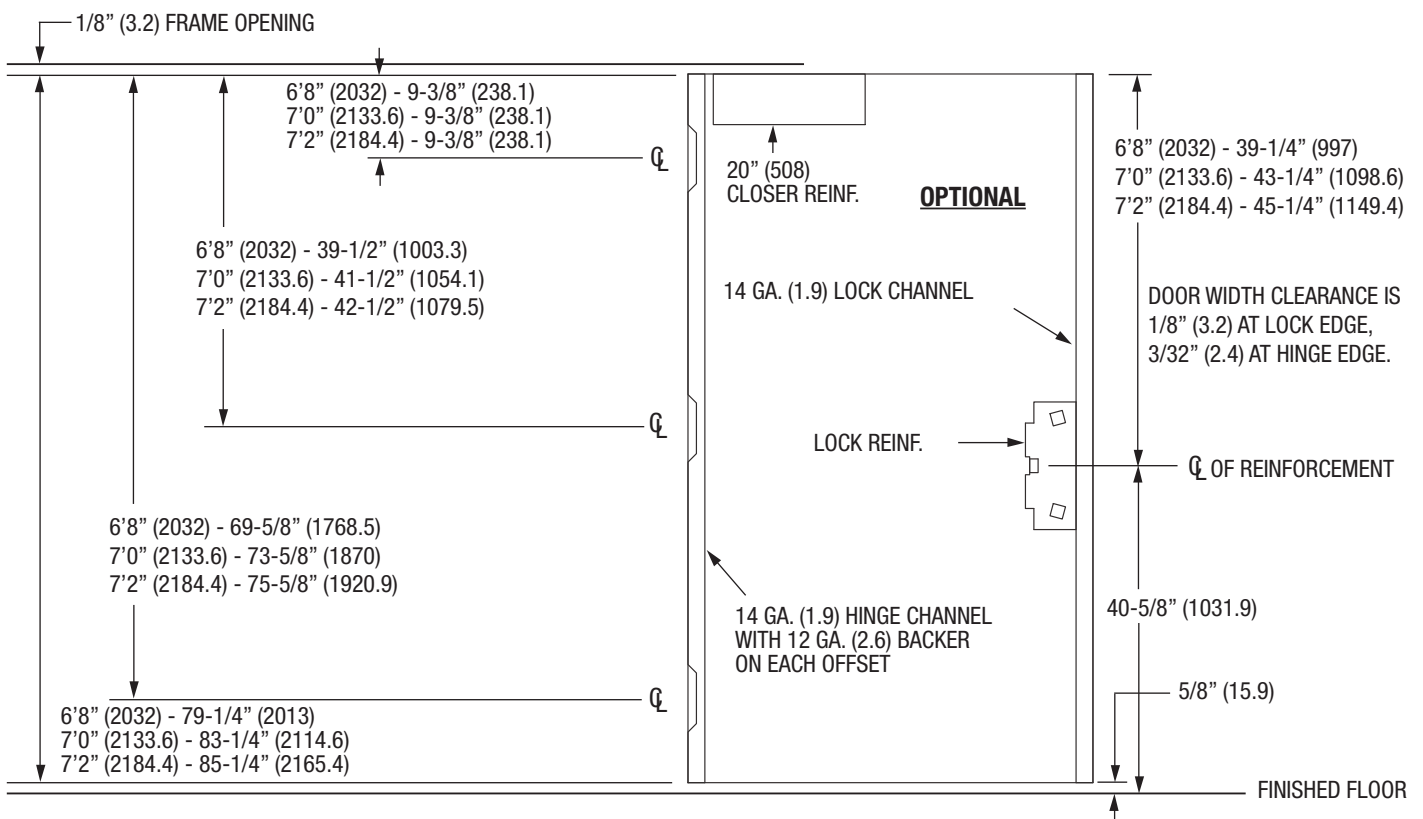
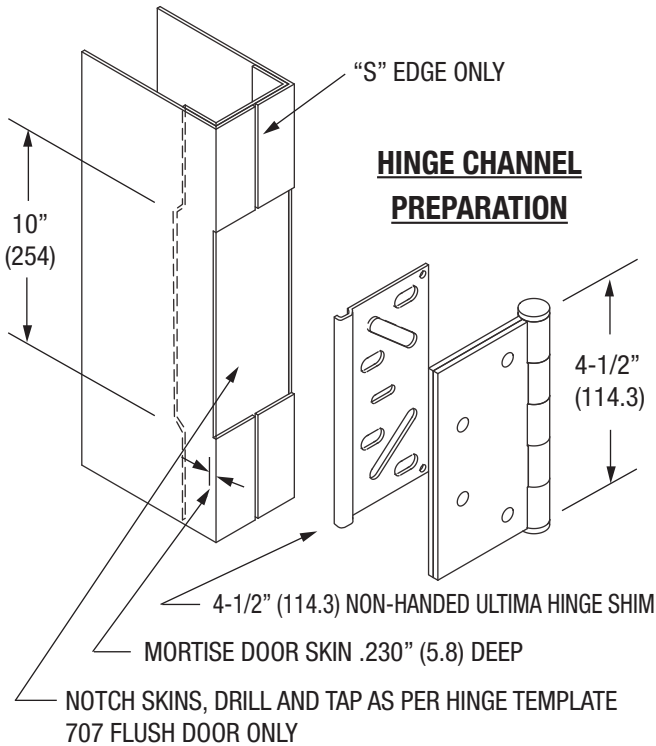


**G3ARO
MORTISE LOCK
REINFORCEMENT**

Ø OF MORTISE LOCK MAY VARY
2-1/2" (63.5)

HINGE RAIL OFFSET IS 10" LONG AT EACH LOCATION

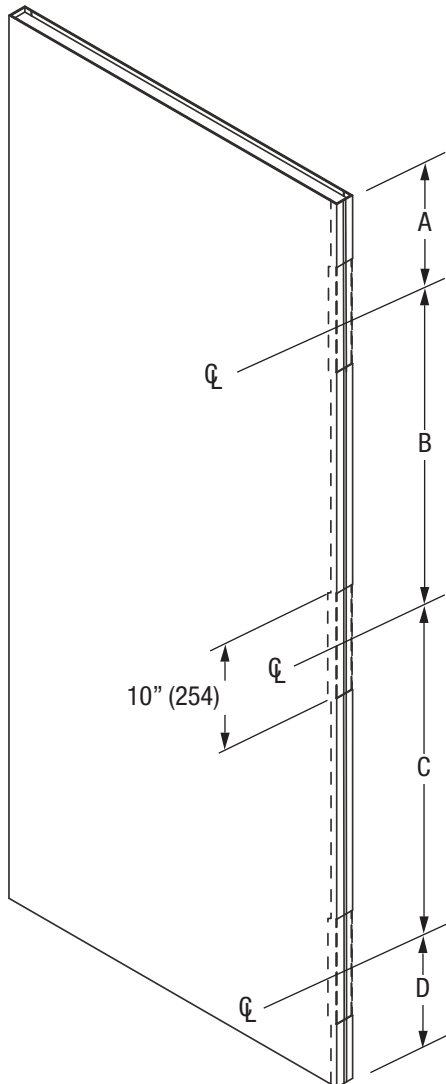
6'10", 8'0", 10'0" DOOR HEIGHTS AVAILABLE.



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.



LOCATION OF HINGE PREPARATIONS

DOOR HEIGHT	A	B	C	D	E*
6'8" (2032)	9-3/8" (238)	30-1/8" (765.2)	30-1/8" (765.2)	9-5/8" (244.5)	—
7'0" (2134)	9-3/8" (238)	32-1/8" (816)	32-1/8" (816)	9-5/8" (244.5)	—
7'2" (2184)	9-3/8" (238)	33-1/8" (841.4)	33-1/8" (841.4)	9-5/8" (244.5)	—
8'0" (2438)	9-3/8" (238)	25-1/4" (641.4)	25-1/4" (641.4)	25-1/4" (641.4)	10-1/8" (257.2)
10'0" (3048)	9-3/8" (238)	33-1/4" (845)	33-1/4" (845)	33-1/4" (845)	10-1/8" (257.2)

* LOCATION OF 4TH HINGE FOR 8'0" AND 10'0" DOOR

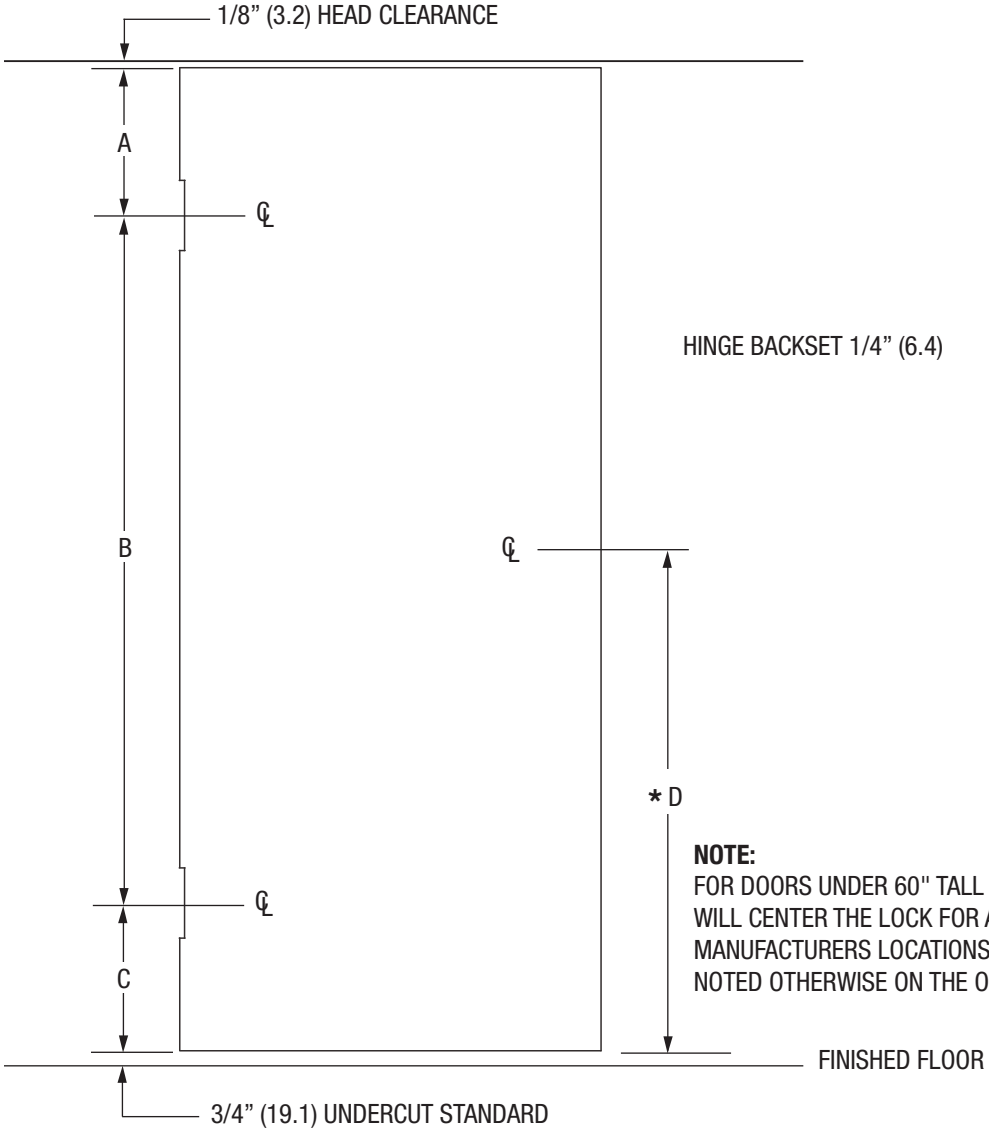


SIZE	A	B	C	D
6'8" (2032)	9-5/8" (244.5)	59-7/8" (1520.8)	9-5/8" (244.5)	39-9/16" (1004.9)
7'0" (2133.6)	9-5/8" (244.5)	63-7/8" (1622.4)	9-5/8" (244.5)	39-9/16" (1004.9)
7'2" (2184.4)	9-5/8" (244.5)	65-7/8" (1673.2)	9-5/8" (244.5)	39-9/16" (1004.9)

HINGE SIZE MAY VARY - \varnothing LOCATION REMAINS THE SAME

* DIMENSION SHOWN IS FOR LOCKS WITH A COMMON \varnothing ON LOCK AND STRIKE.
(EXAMPLE-CYLINDRICAL LOCK)

TWO HINGES



September, 2013

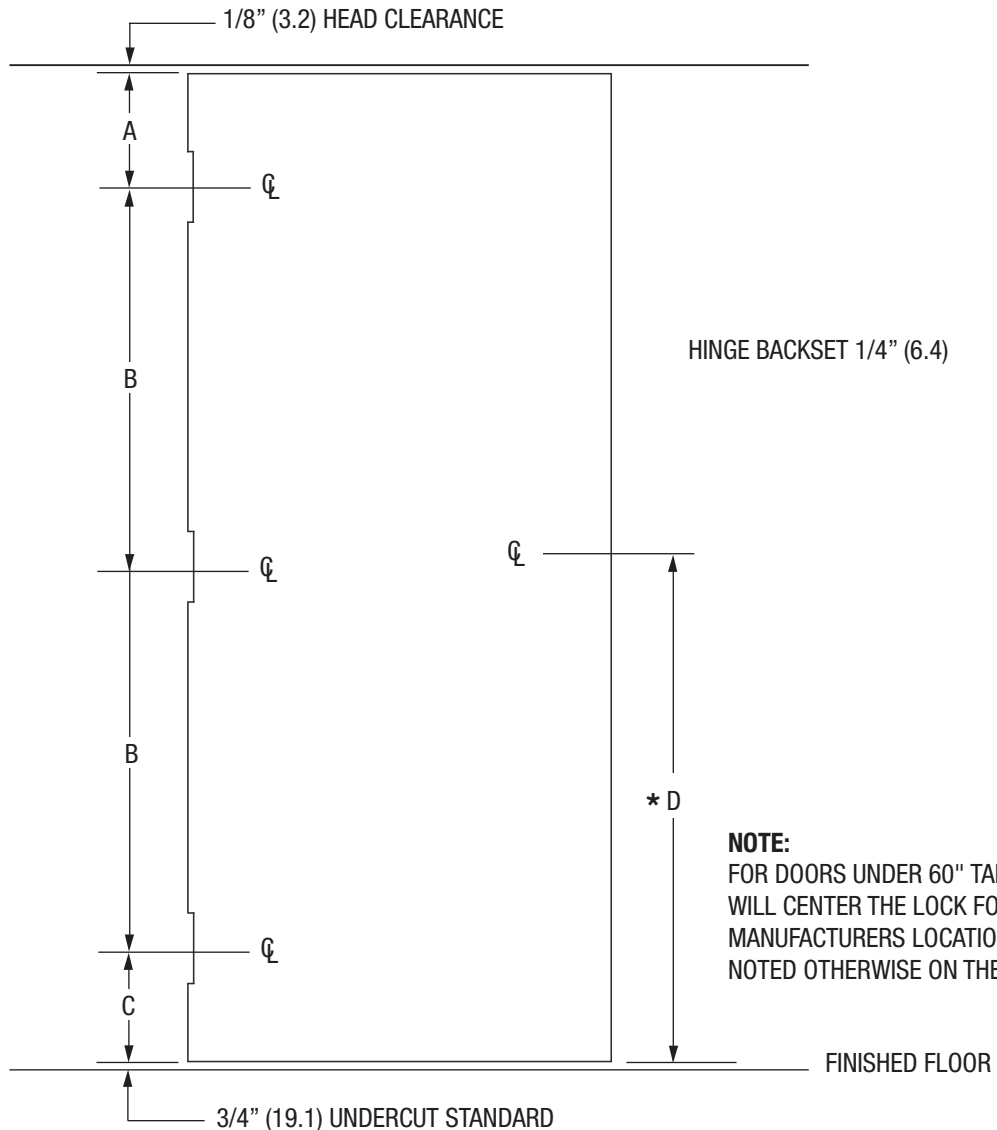


SIZE	A	B	C	D
6'8" (2032)	9-5/8" (244.5)	29-15/16" (760.4)	9-5/8" (244.5)	39-9/16" (1004.9)
7'0" (2133.6)	9-5/8" (244.5)	31-15/16" (811.2)	9-5/8" (244.5)	39-9/16" (1004.9)
7'2" (2184.4)	9-5/8" (244.5)	32-15/16" (836.6)	9-5/8" (244.5)	39-9/16" (1004.9)

HINGE SIZE MAY VARY - \varnothing LOCATION REMAINS THE SAME

* DIMENSION SHOWN IS FOR LOCKS WITH A COMMON \varnothing ON LOCK AND STRIKE.
(EXAMPLE-CYLINDRICAL LOCK)

THREE HINGES



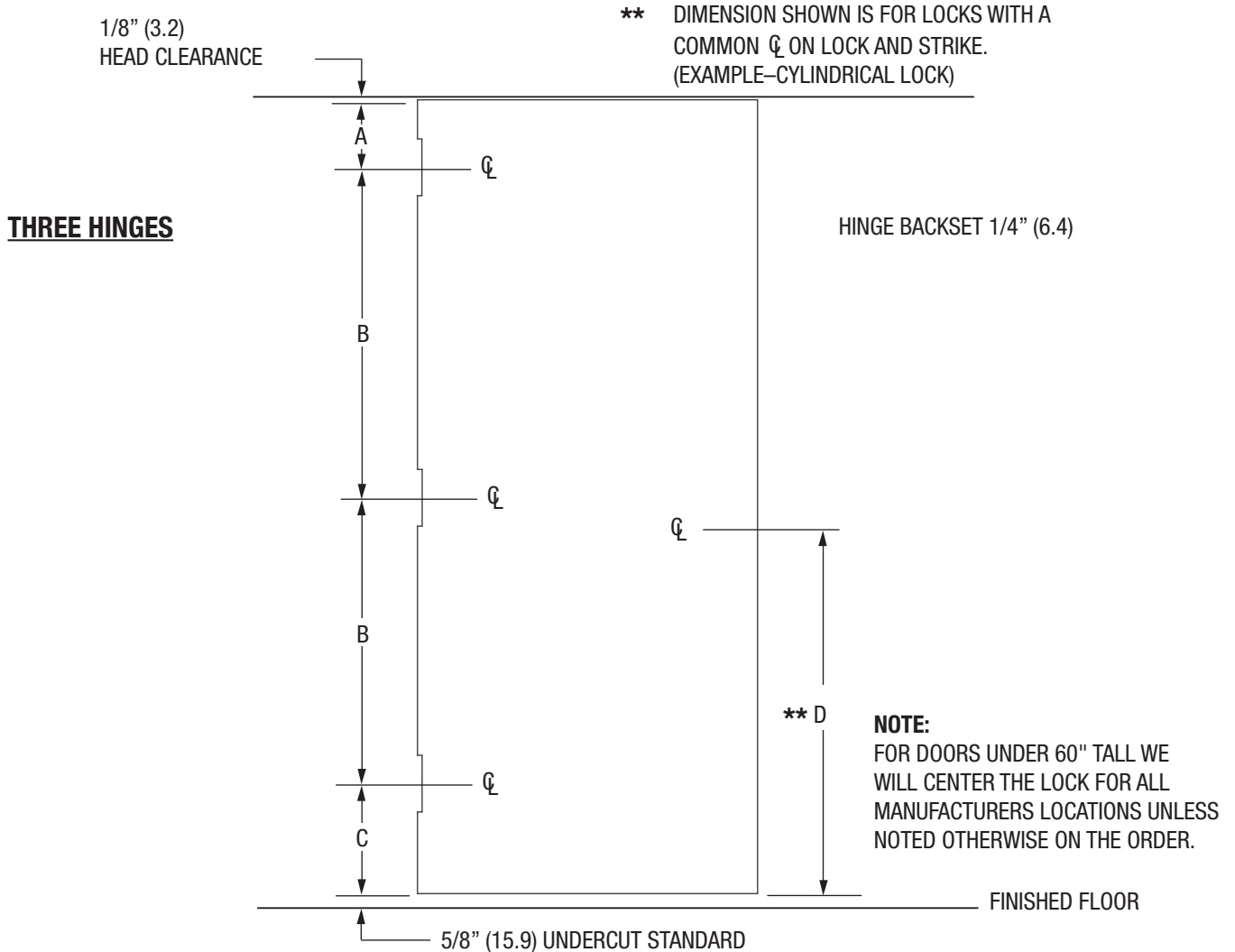
NOTE:
FOR DOORS UNDER 60" TALL WE
WILL CENTER THE LOCK FOR ALL
MANUFACTURERS LOCATIONS UNLESS
NOTED OTHERWISE ON THE ORDER.



SIZE	A	B	C	D
6'8" (2032)	7-1/8" (181)	30-1/4" (768.4)	11-5/8" (295.3)	39-3/8" (1000.1)
6'10" (2082.8)	7-1/8" (181)	31-1/4" (793.8)	11-5/8" (295.3)	39-3/8" (1000.1)
7'0" (2133.6)	7-1/8" (181)	32-1/4" (819.2)	11-5/8" (295.3)	39-3/8" (1000.1)
7'2" (2184.4)	7-1/8" (181)	33-1/4" (844.6)	11-5/8" (295.3)	39-3/8" (1000.1)
7'4" (2235.2)	7-1/8" (181)	34-1/4" (870)	11-5/8" (295.3)	39-3/8" (1000.1)
7'6" (2286)	7-1/8" (181)	35-1/4" (895.4)	11-5/8" (295.3)	39-3/8" (1000.1)
7'8" (2336.8)	7-1/8" (181)	36-1/4" (920.8)	11-5/8" (295.3)	39-3/8" (1000.1)
7'10" (2387.6)	7-1/8" (181)	37-1/4" (946.2)	11-5/8" (295.3)	39-3/8" (1000.1)
8'0" (2438.4)	7-1/8" (181)	38-1/4" (971.6)	11-5/8" (295.3)	39-3/8" (1000.1)
9'0" (2743.2)	7-1/8" (181)	44-1/4" (1124)	11-5/8" (295.3)	39-3/8" (1000.1)
10'0" (3048)	7-1/8" (181)	50-1/4" (1276.4)	11-5/8" (295.3)	39-3/8" (1000.1)



HINGE SIZE MAY VARY - ϕ LOCATION REMAINS THE SAME

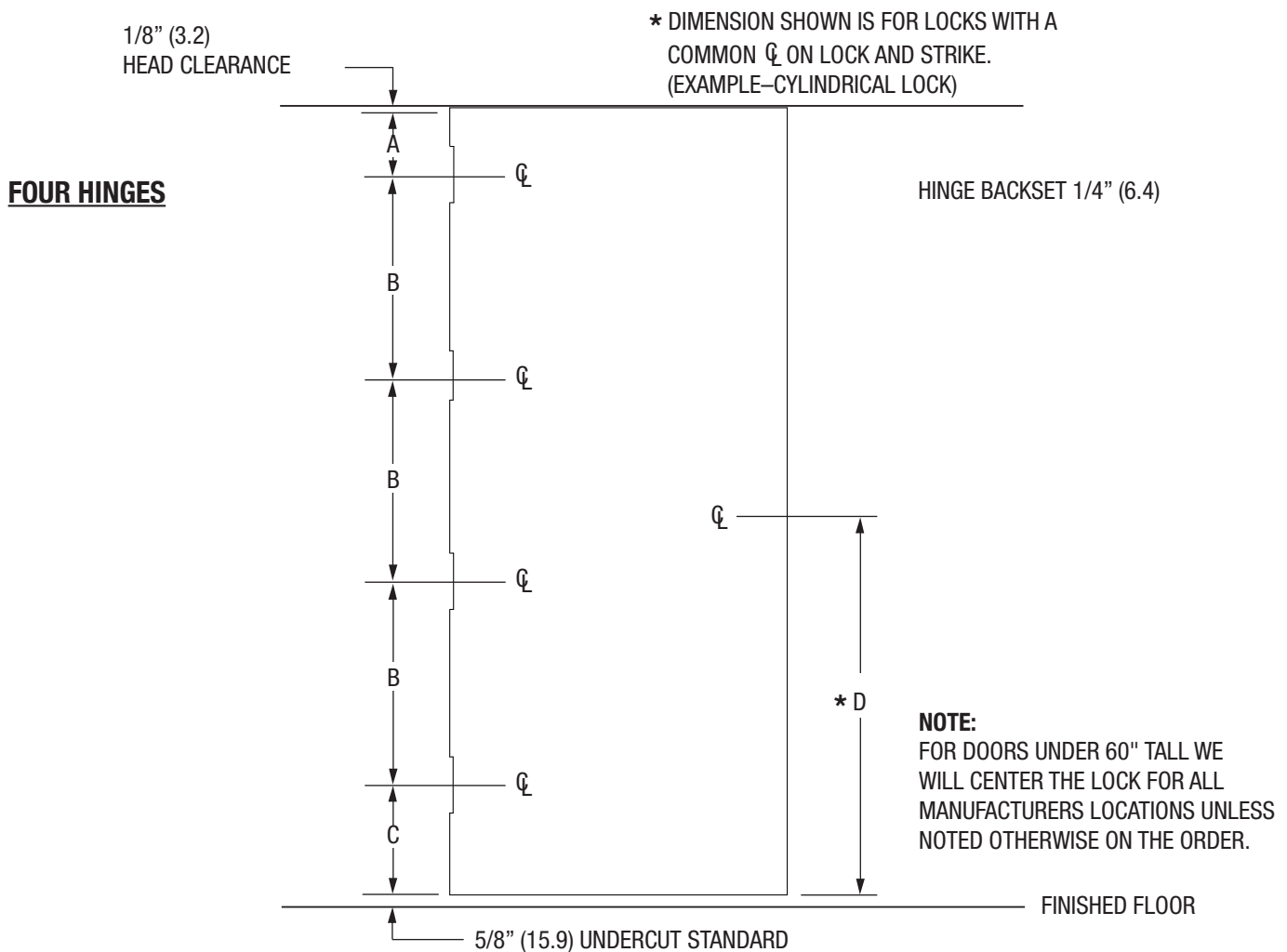


September, 2013



SIZE	A	B	C	D
6'8" (2032)	7-1/8" (181)	20-1/8" (511.2)	11-3/4" (298.5)	39-3/8" (1000.1)
6'10" (2082.8)	7-1/8" (181)	20-7/8" (530.2)	11-1/2" (292.1)	39-3/8" (1000.1)
7'0" (2133.6)	7-1/8" (181)	21-1/2" (546.1)	11-5/8" (295.3)	39-3/8" (1000.1)
7'2" (2184.4)	7-1/8" (181)	22-1/8" (562)	11-3/4" (298.5)	39-3/8" (1000.1)
7'4" (2235.2)	7-1/8" (181)	22-7/8" (581)	11-1/2" (292.1)	39-3/8" (1000.1)
7'6" (2286)	7-1/8" (181)	23-1/2" (597)	11-5/8" (295.3)	39-3/8" (1000.1)
7'8" (2336.8)	7-1/8" (181)	24-1/8" (612.8)	11-3/4" (298.5)	39-3/8" (1000.1)
7'10" (2387.6)	7-1/8" (181)	24-7/8" (631.8)	11-1/2" (292.1)	39-3/8" (1000.1)
8'0" (2438.4)	7-1/8" (181)	25-1/2" (647.7)	11-5/8" (295.3)	39-3/8" (1000.1)
9'0" (2743.2)	7-1/8" (181)	29-1/2" (749.3)	11-5/8" (295.3)	39-3/8" (1000.1)
10'0" (3048)	7-1/8" (181)	33-1/2" (850.9)	11-5/8" (295.3)	39-3/8" (1000.1)

HINGE SIZE MAY VARY - \varnothing LOCATION REMAINS THE SAME

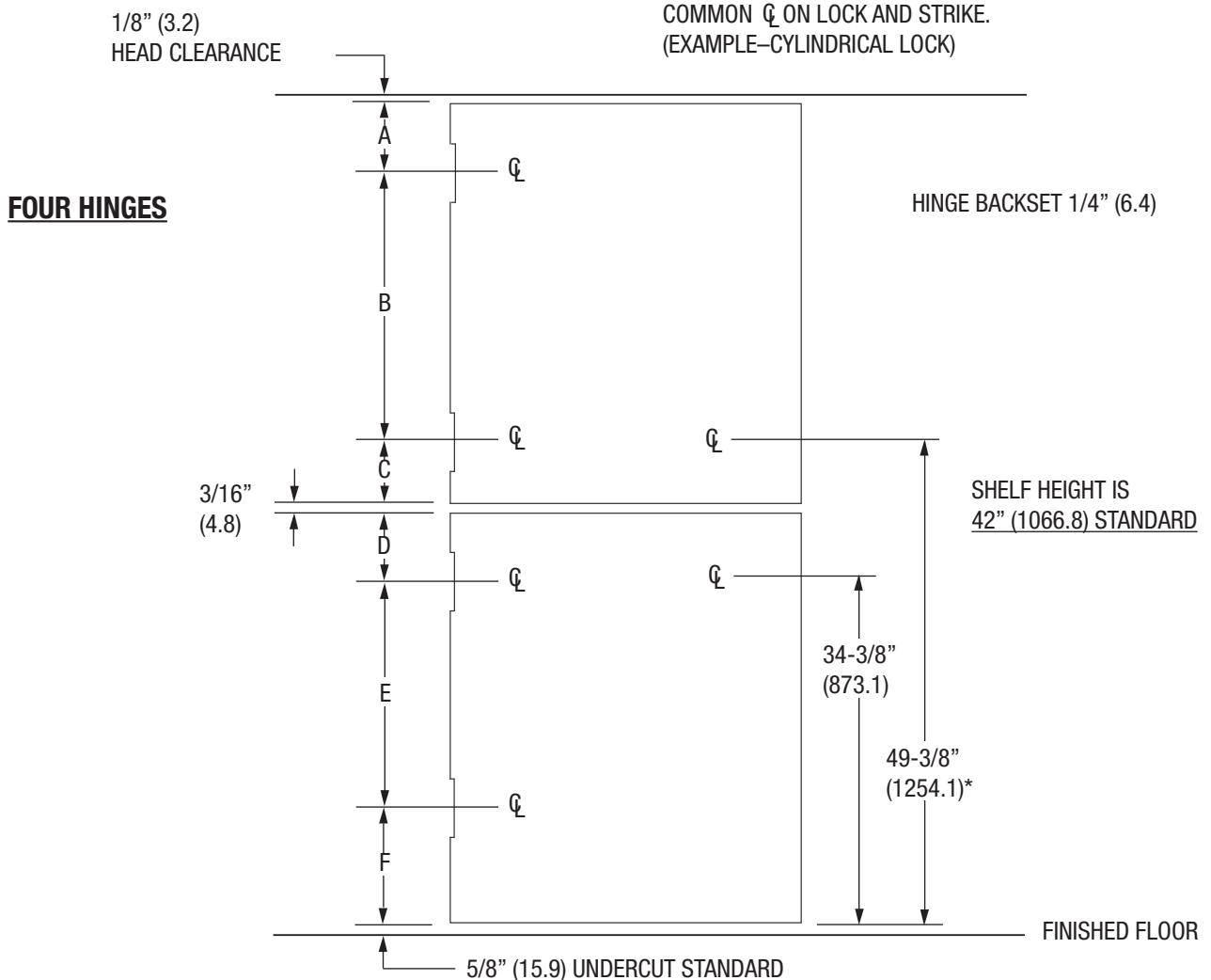




SIZE	A	B	C	D	E	F
6'8" (2032)	7-1/8" (181)	24-1/4" (616)	6-5/16" (160.3)	7" (177.8)	22-3/4" (577.9)	11-5/8" (295.3)
6'10" (2082.8)	7-1/8" (181)	26-1/4" (666.8)	6-5/16" (160.3)	7" (177.8)	22-3/4" (577.9)	11-5/8" (295.3)
7'0" (2133.6)	7-1/8" (181)	28-1/4" (717.6)	6-5/16" (160.3)	7" (177.8)	22-3/4" (577.9)	11-5/8" (295.3)
7'2" (2184.4)	7-1/8" (181)	30-1/4" (768.4)	6-5/16" (160.3)	7" (177.8)	22-3/4" (577.9)	11-5/8" (295.3)
Ⓛ 7'4" (2235.2)	7-1/8" (181)	29-1/4" (743)	9-5/16" (236.5)	7" (177.8)	22-3/4" (577.9)	11-5/8" (295.3)
Ⓛ 7'6" (2286)	7-1/8" (181)	31-1/4" (793.8)	9-5/16" (236.5)	7" (177.8)	22-3/4" (577.9)	11-5/8" (295.3)
Ⓛ 7'8" (2336.8)	7-1/8" (181)	33-1/4" (844.6)	9-5/16" (236.5)	7" (177.8)	22-3/4" (577.9)	11-5/8" (295.3)
Ⓛ 7'10" (2387.6)	7-1/8" (181)	35-1/4" (895.4)	9-5/16" (236.5)	7" (177.8)	22-3/4" (577.9)	11-5/8" (295.3)
Ⓛ 8'0" (2438.4)	7-1/8" (181)	37-1/4" (946.2)	9-5/16" (236.5)	7" (177.8)	22-3/4" (577.9)	11-5/8" (295.3)

HINGE SIZE MAY VARY - Ⓛ LOCATION REMAINS THE SAME

DIMENSION SHOWN IS FOR LOCKS WITH A COMMON Ⓛ ON LOCK AND STRIKE.
(EXAMPLE-CYLINDRICAL LOCK)



* PLEASE INDICATE WHEN ADA COMPLIANCE IS REQUIRED.
48" Ⓛ IS NOT PRACTICAL WITH SOME DEADLOCKS.

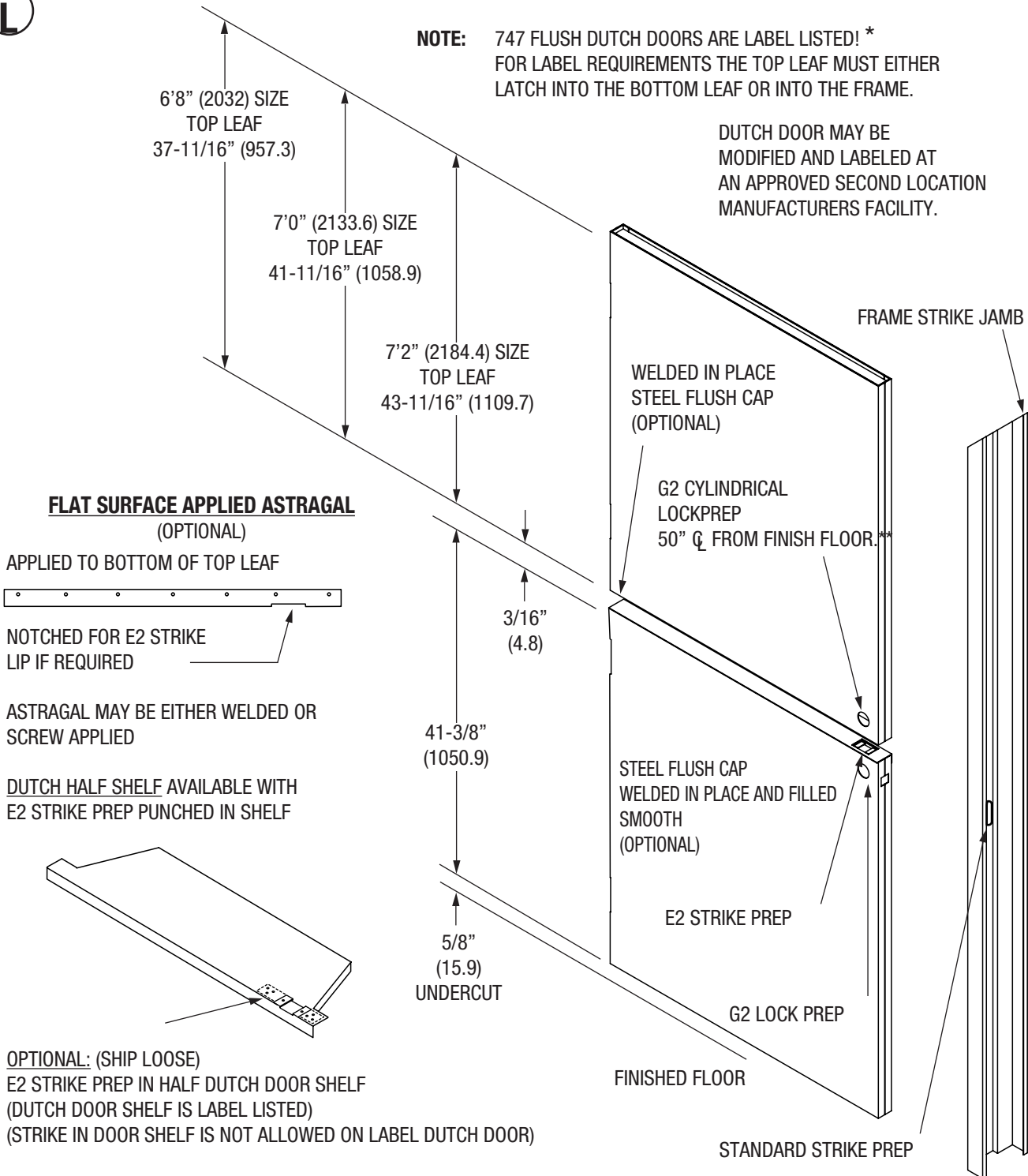
40
747 Dutch Door
 Door Technical Data

July, 2015



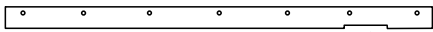
NOTE: 747 FLUSH DUTCH DOORS ARE LABEL LISTED! *
 FOR LABEL REQUIREMENTS THE TOP LEAF MUST EITHER
 LATCH INTO THE BOTTOM LEAF OR INTO THE FRAME.

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



FLAT SURFACE APPLIED ASTRAGAL
 (OPTIONAL)

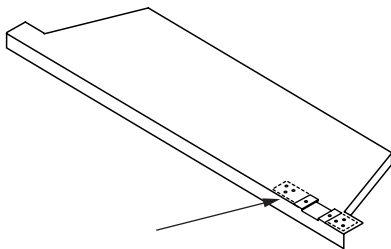
APPLIED TO BOTTOM OF TOP LEAF



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



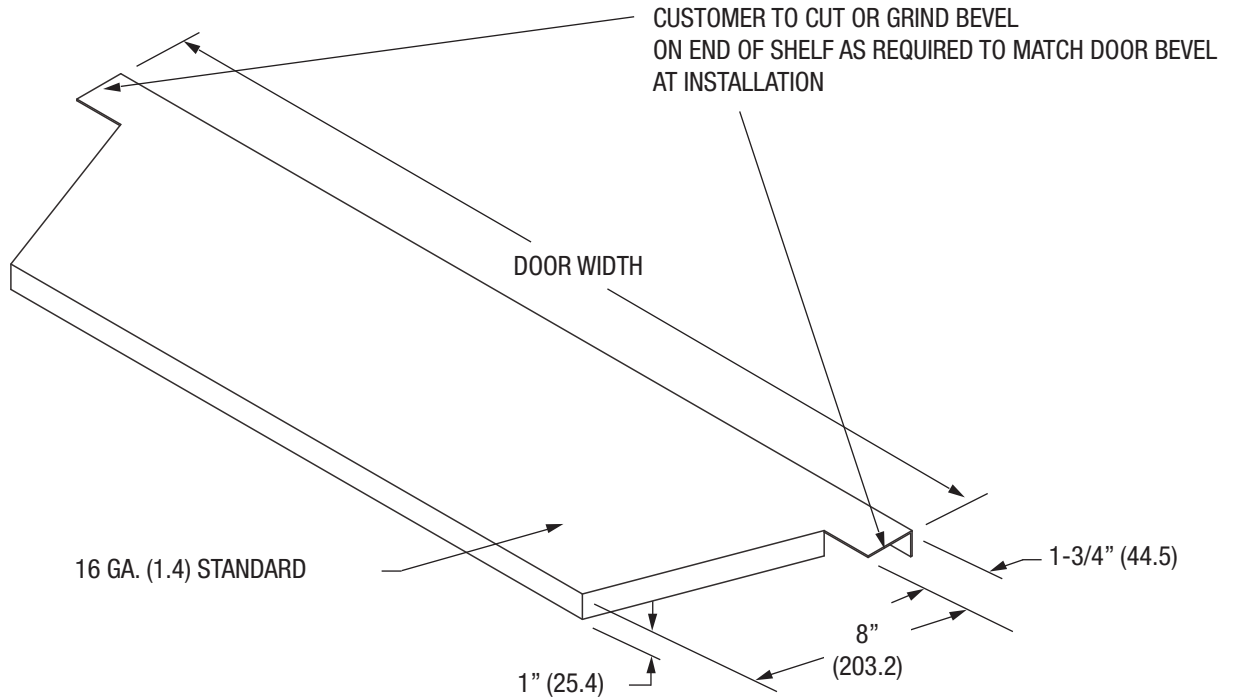
OPTIONAL: (SHIP LOOSE)
 E2 STRIKE PREP IN HALF DUTCH DOOR SHELF
 (DUTCH DOOR SHELF IS LABEL LISTED)
 (STRIKE IN DOOR SHELF IS NOT ALLOWED ON LABEL DUTCH DOOR)

3'6" (1067) X 7'2" (2184.4) 15 MAX. LABEL SIZES FOR 747, 18 OR 16 GAUGE.

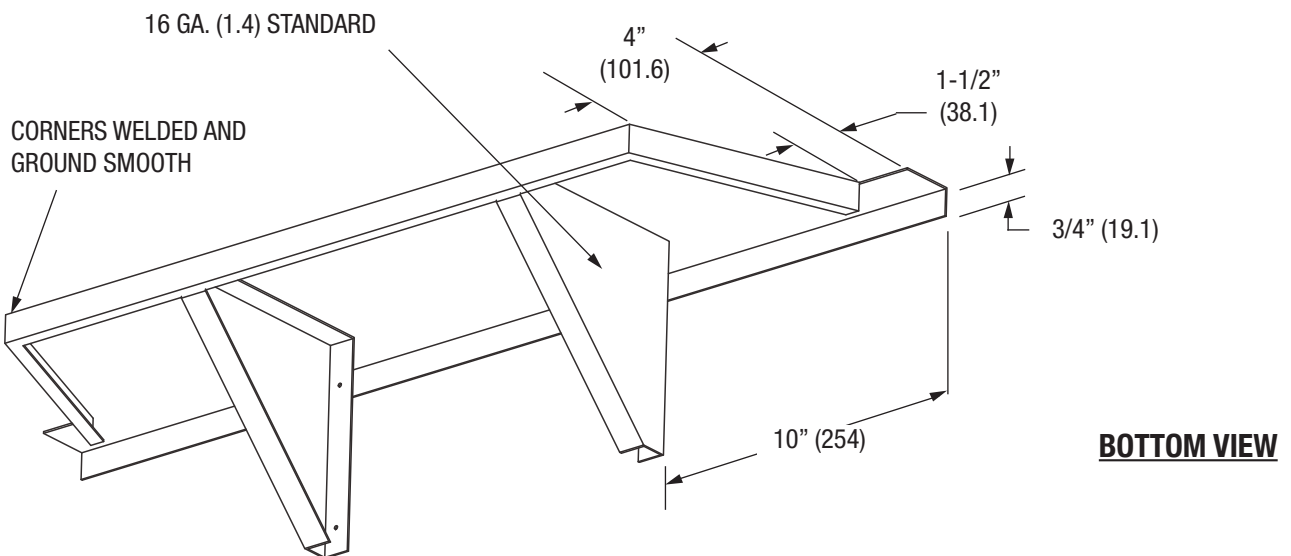
** PLEASE INDICATE WHEN ADA COMPLIANCE IS REQUIRED. 48" Q IS NOT PRACTICAL WITH SOME DEADLOCKS.



TOP VIEW



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

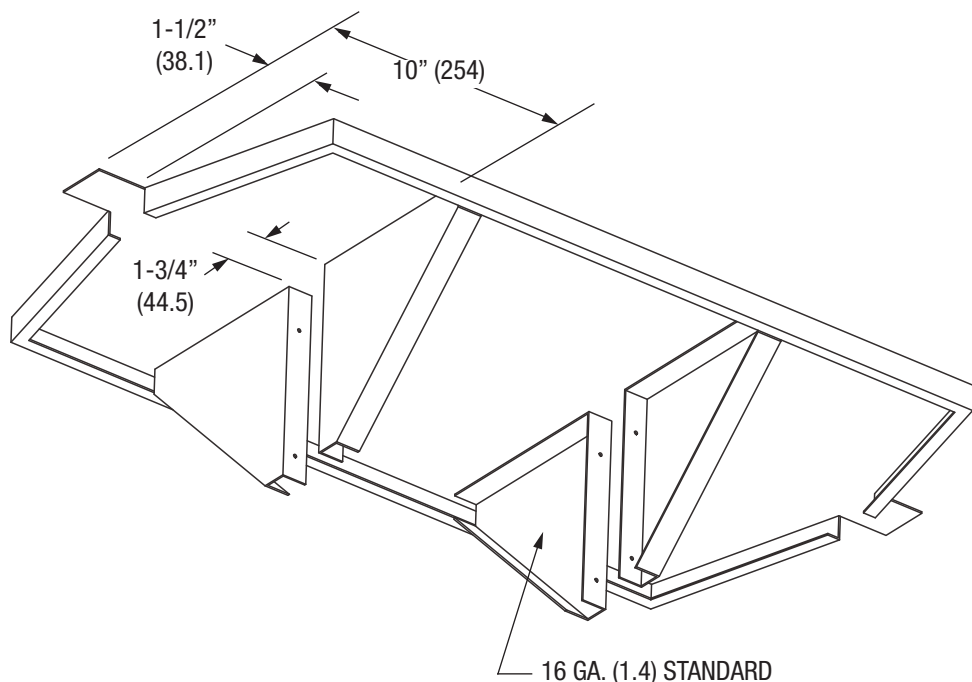
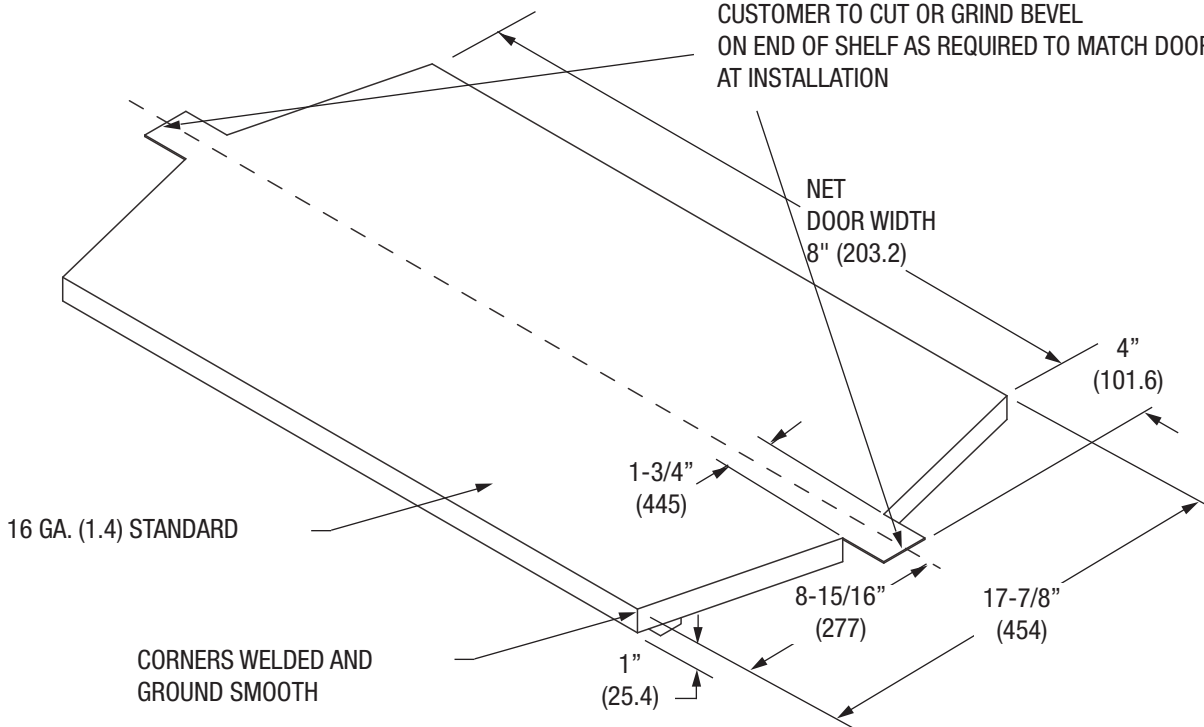


April, 2002

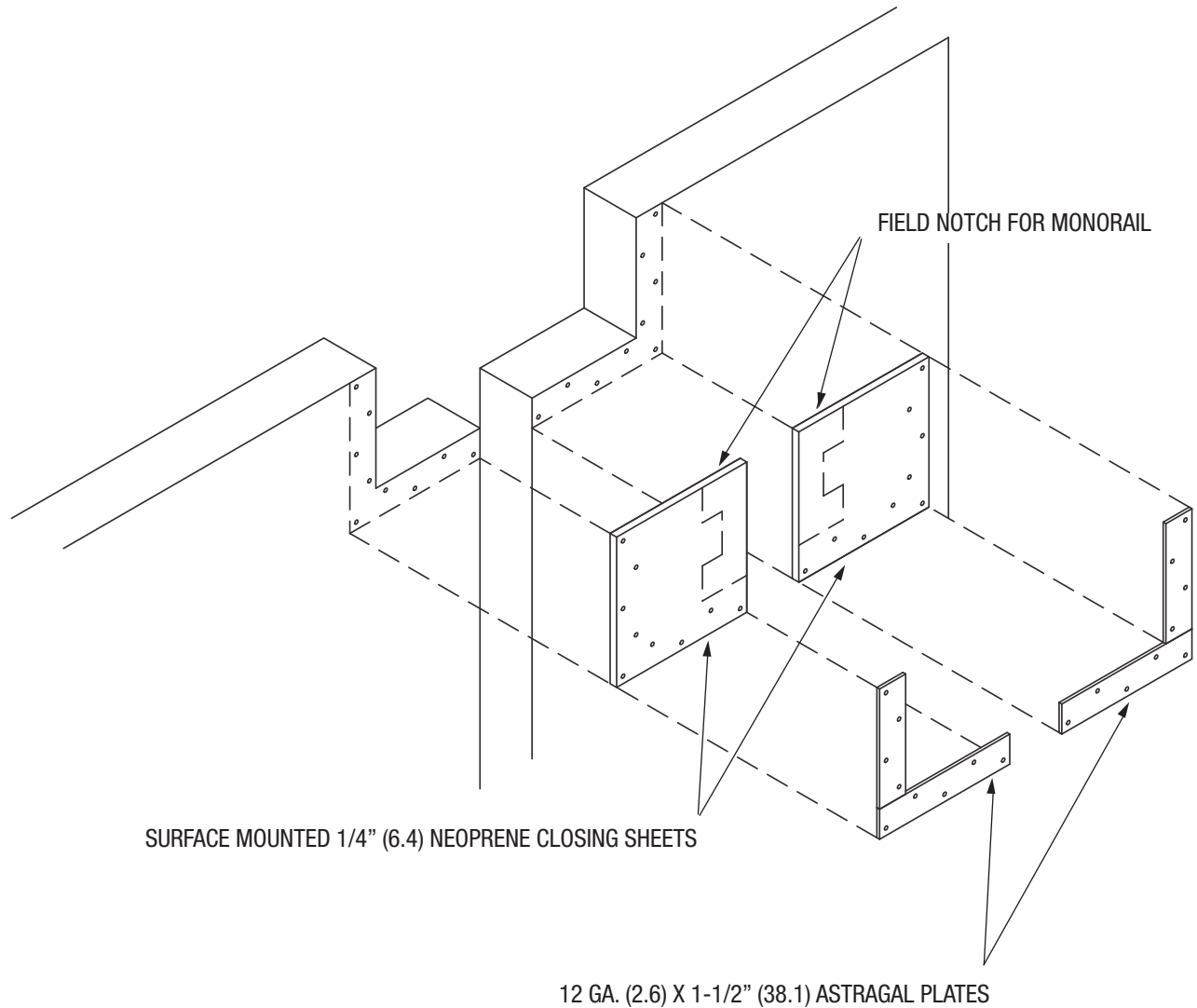


CUSTOMER TO CUT OR GRIND BEVEL
ON END OF SHELF AS REQUIRED TO MATCH DOOR BEVEL
AT INSTALLATION

TOP VIEW

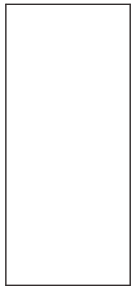


BOTTOM VIEW

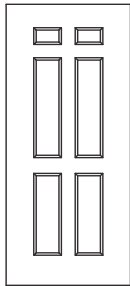


NEOPRENE SHEETS AND ASTRAGAL PLATES ATTACHED TO DOOR
WITH SCREWS IN A STAGGERED PATTERN.

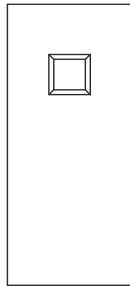
June, 2008



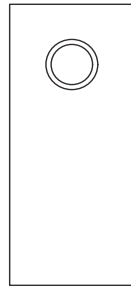
CURRIES-F
SDI-F



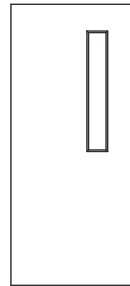
E6 *
PANEL DOOR



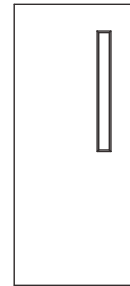
FV
V



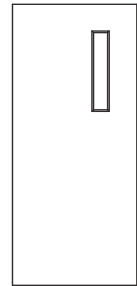
FRV



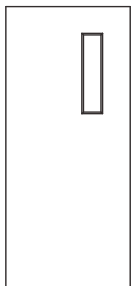
FNV
N



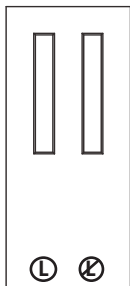
FNV4



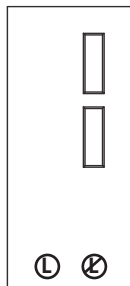
FNV5



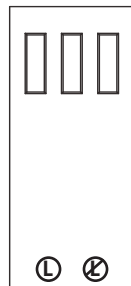
FNV6



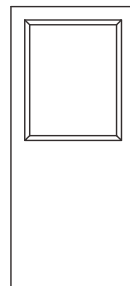
2FNV



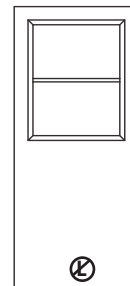
2FNV



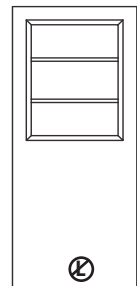
3FNV



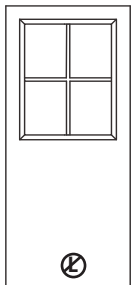
HG
G



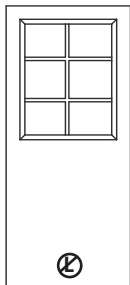
HG2
G2



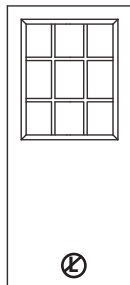
HG3
G3



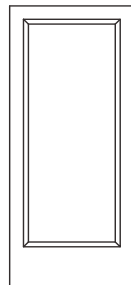
HG4
G4



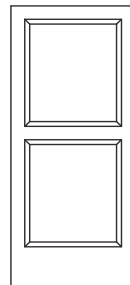
HG6
G6



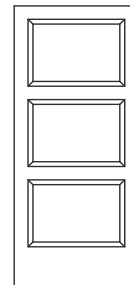
HG9



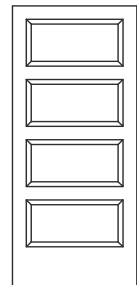
FG
FG



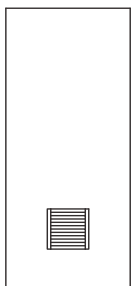
FG2



FG3
FG3



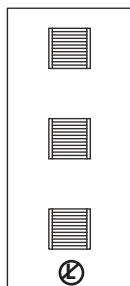
FG4



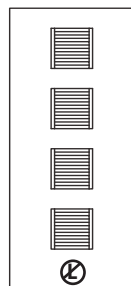
FL
L



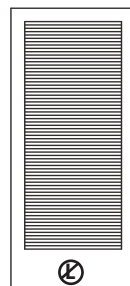
F2L
LL



F3L

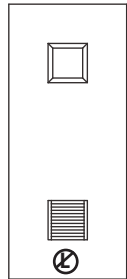


F4L

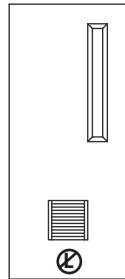


FGL

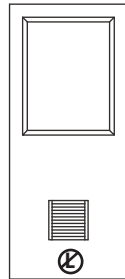
NOTE: SDI NOMENCLATURE SYMBOLS APPEAR UNDER CURRIES SYMBOLS WHERE APPLICABLE
* SEE EMBOSSED DOOR SECTION FOR MORE FACE TYPE DETAILS.



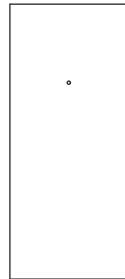
CURRIES-FVL
SDI-VL



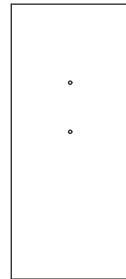
FNVL
NL



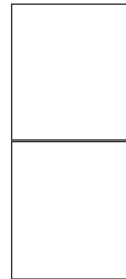
HGL
GL



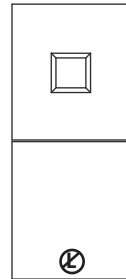
FP



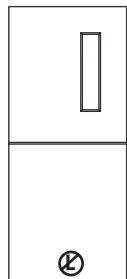
F2P



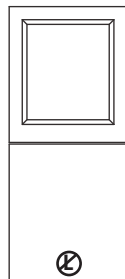
FD
D



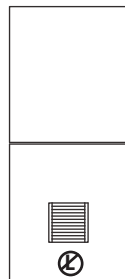
FDFV



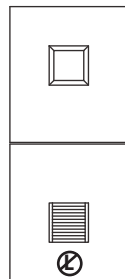
FDFNV



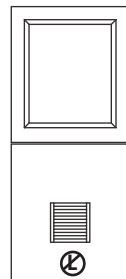
FDHG



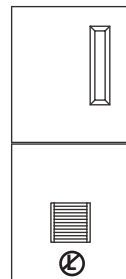
FDL



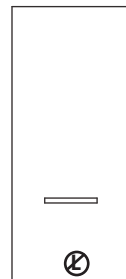
FDFVL



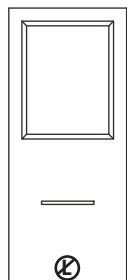
FDHGL



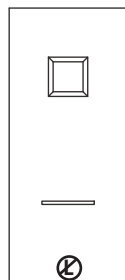
FDFNVL



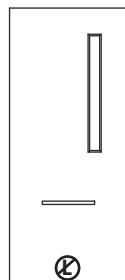
FMS



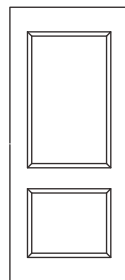
HGMS



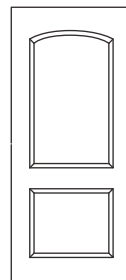
FVMS



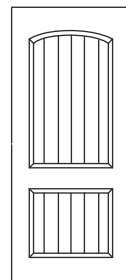
FNVMS



2P



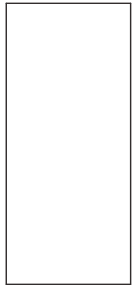
2PA



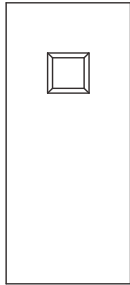
2PAP

NOTE: SDI NOMENCLATURE SYMBOLS APPEAR UNDER CURRIES SYMBOLS WHERE APPLICABLE

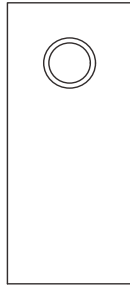
April, 2002



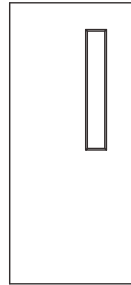
CURRIES-F
SDI-F



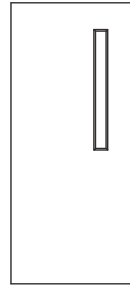
FV
V



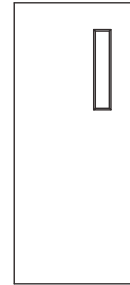
FRV



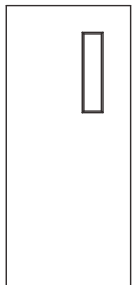
FNV
N



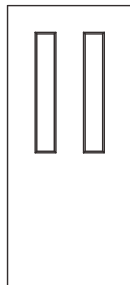
FNV4



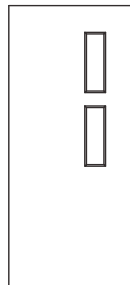
FNV5



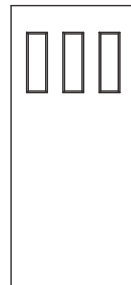
FNV6



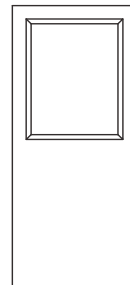
2FNV



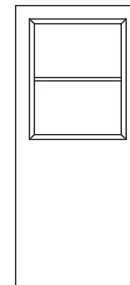
2FNV



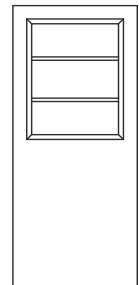
3FNV



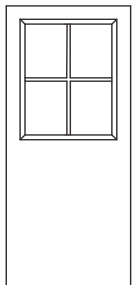
HG
G



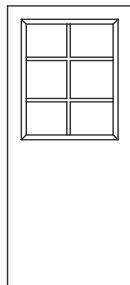
HG2
G2



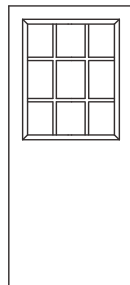
HG3
G3



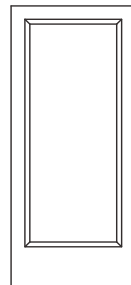
HG4
G4



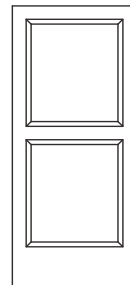
HG6
G6



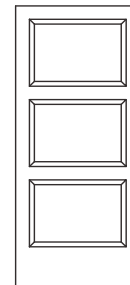
HG9



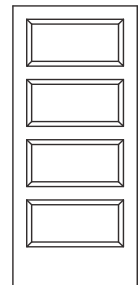
FG
FG



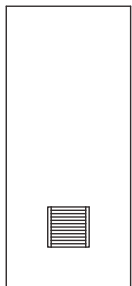
FG2



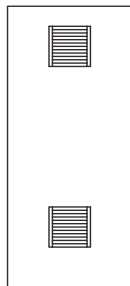
FG3
FG3



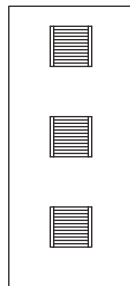
FG4



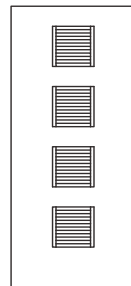
FL
L



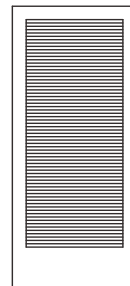
F2L
LL



F3L

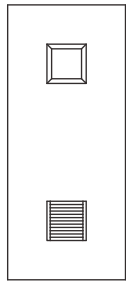


F4L

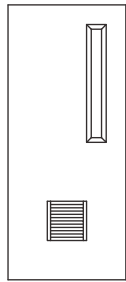


FGL

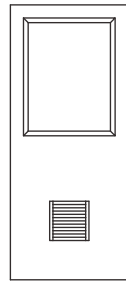
NOTE: SDI NOMENCLATURE SYMBOLS APPEAR UNDER CURRIES SYMBOLS WHERE APPLICABLE



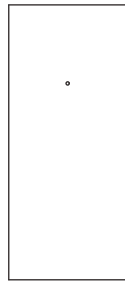
CURRIES-FVL
SDI-VL



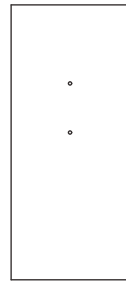
FNVL
NL



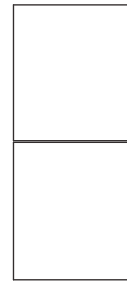
HGL
GL



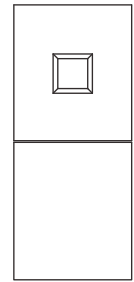
FP



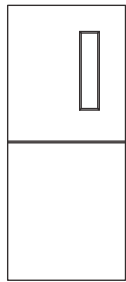
F2P



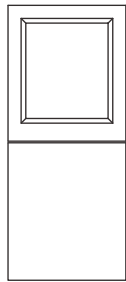
FD
D



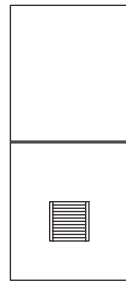
FDFV



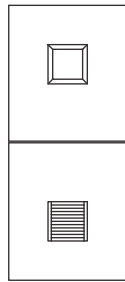
FDFNV



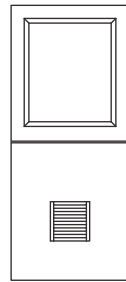
FDHG



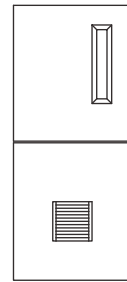
FDL



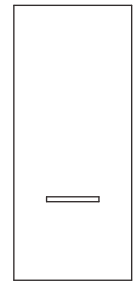
FDFVL



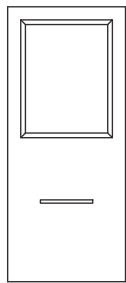
FDHGL



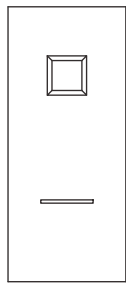
FDFNVL



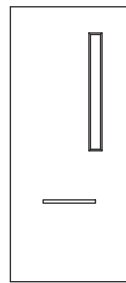
FMS



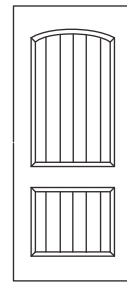
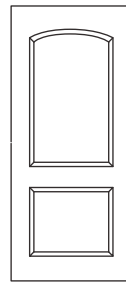
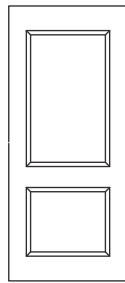
HGMS



FVMS



FNVMS

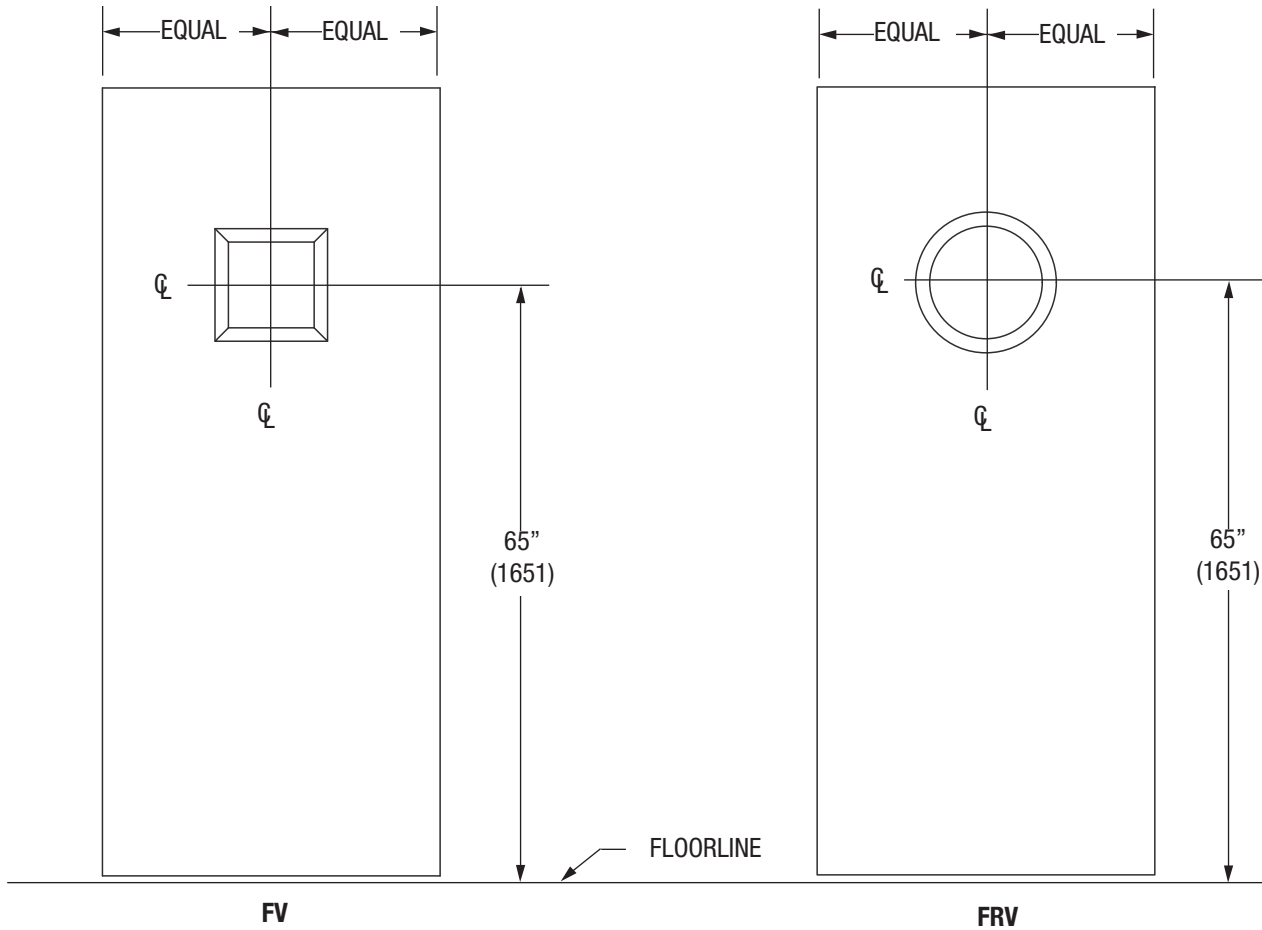


NOTE: SDI NOMENCLATURE SYMBOLS APPEAR UNDER CURRIES SYMBOLS WHERE APPLICABLE

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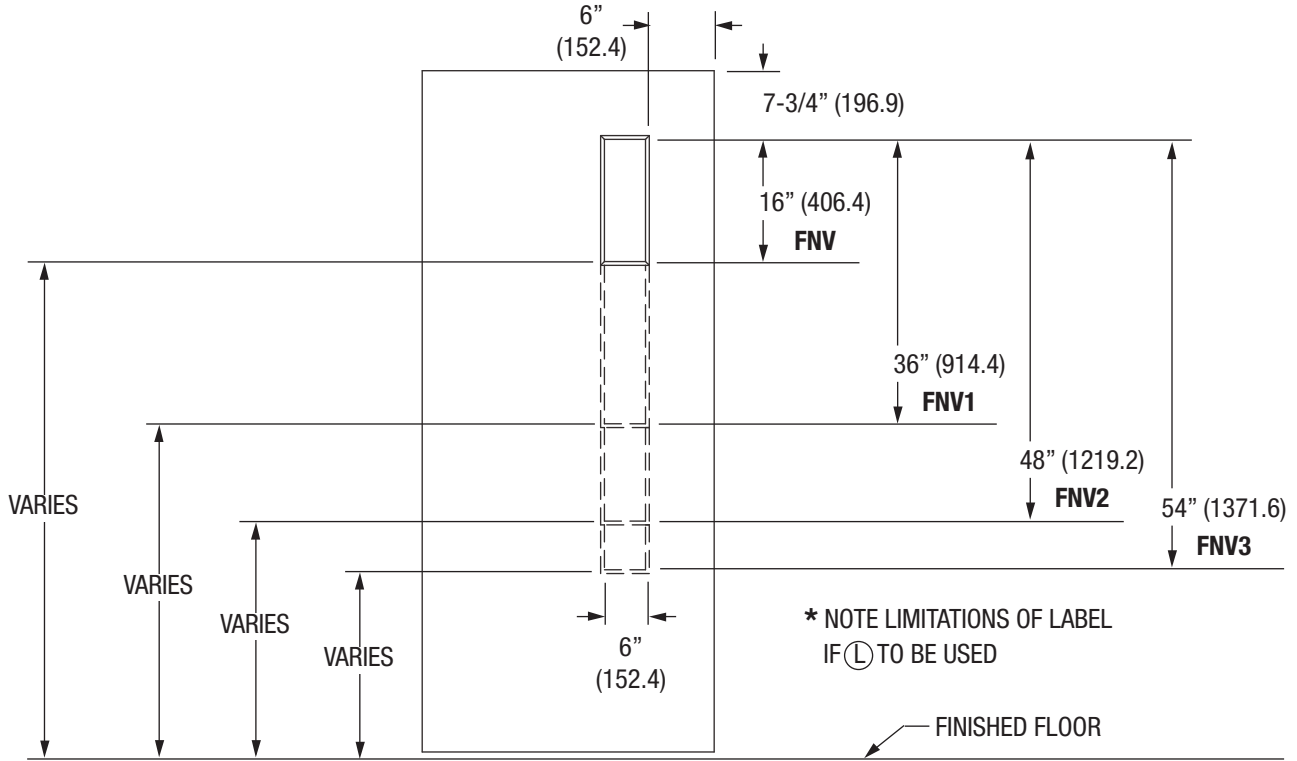
Type 1 & 2 Window Moulding



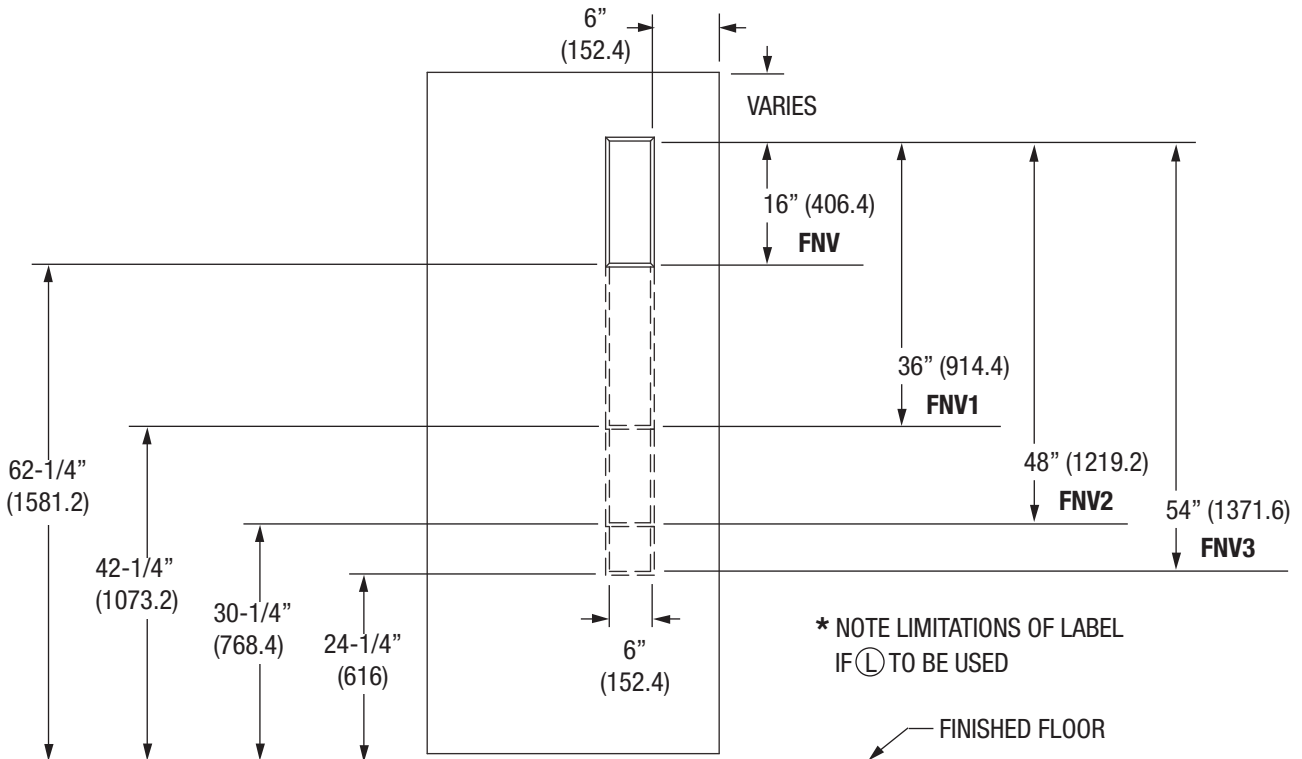
FV	10" (254) X 10" (254)
FV1	12" (304.8) X 12" (304.8)
FRV	12" (304.8) DIA. CUTOUT VISIBLE = 10"
FRV1	18" (457.2) DIA. CUTOUT VISIBLE = 16"
FRV2	24" (609.6) DIA. CUTOUT VISIBLE = 22"

Type 1 & 2 Window Moulding

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



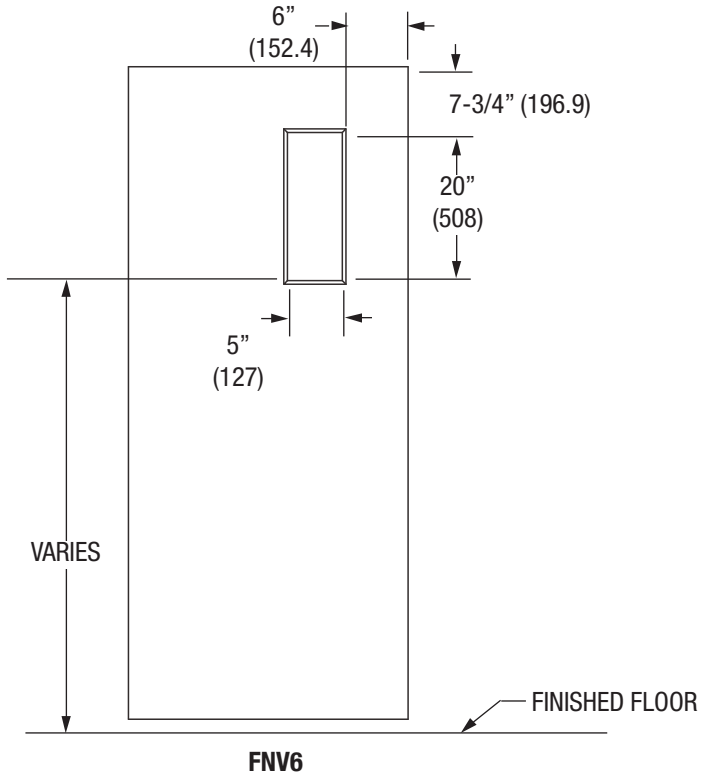
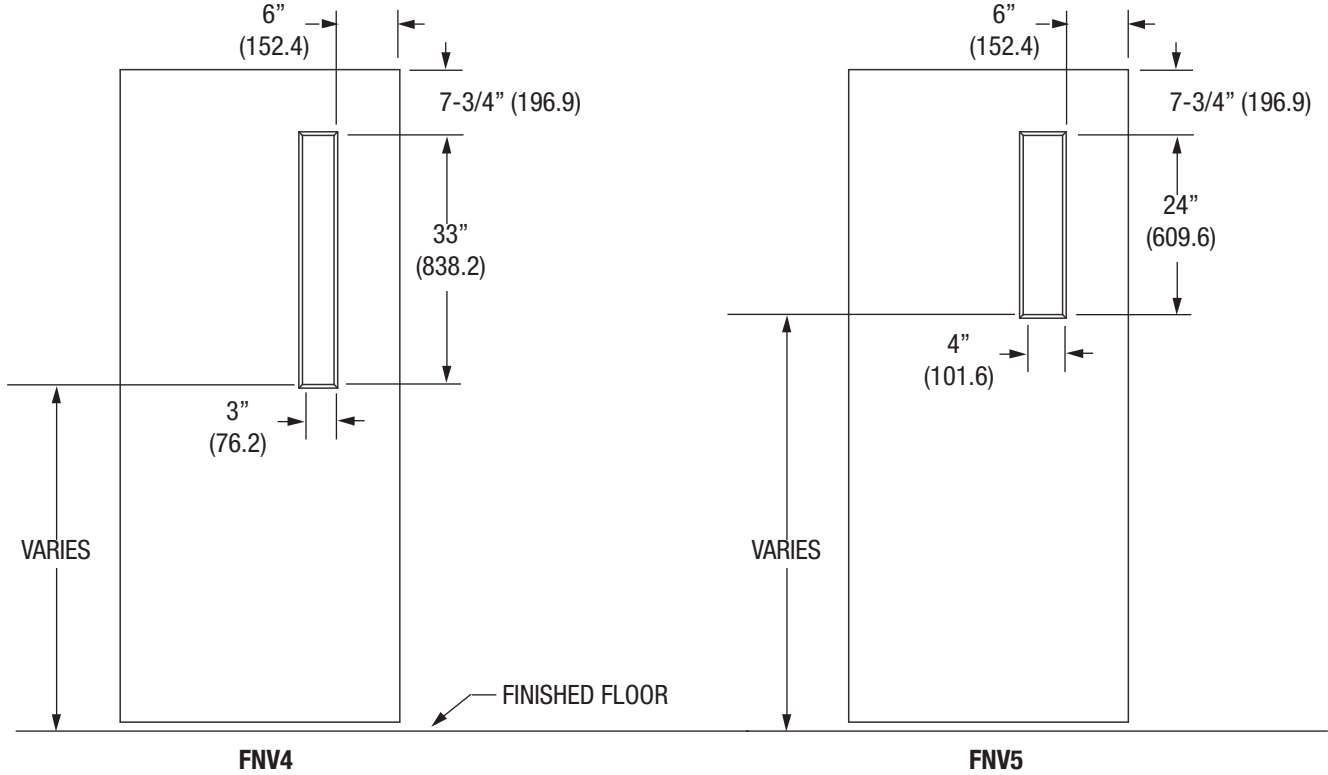
STANDARD LOCATIONS FOR DOORS OVER 7'2" (2184.4)



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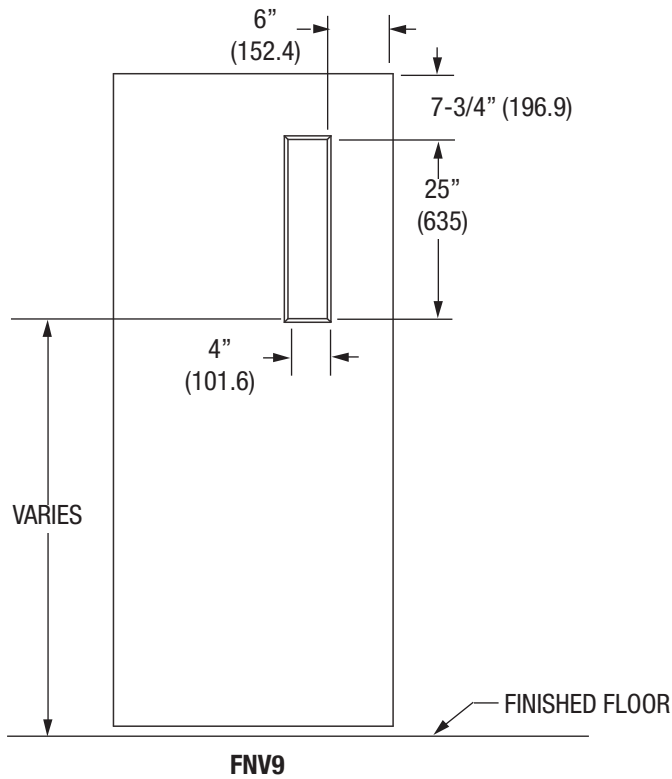
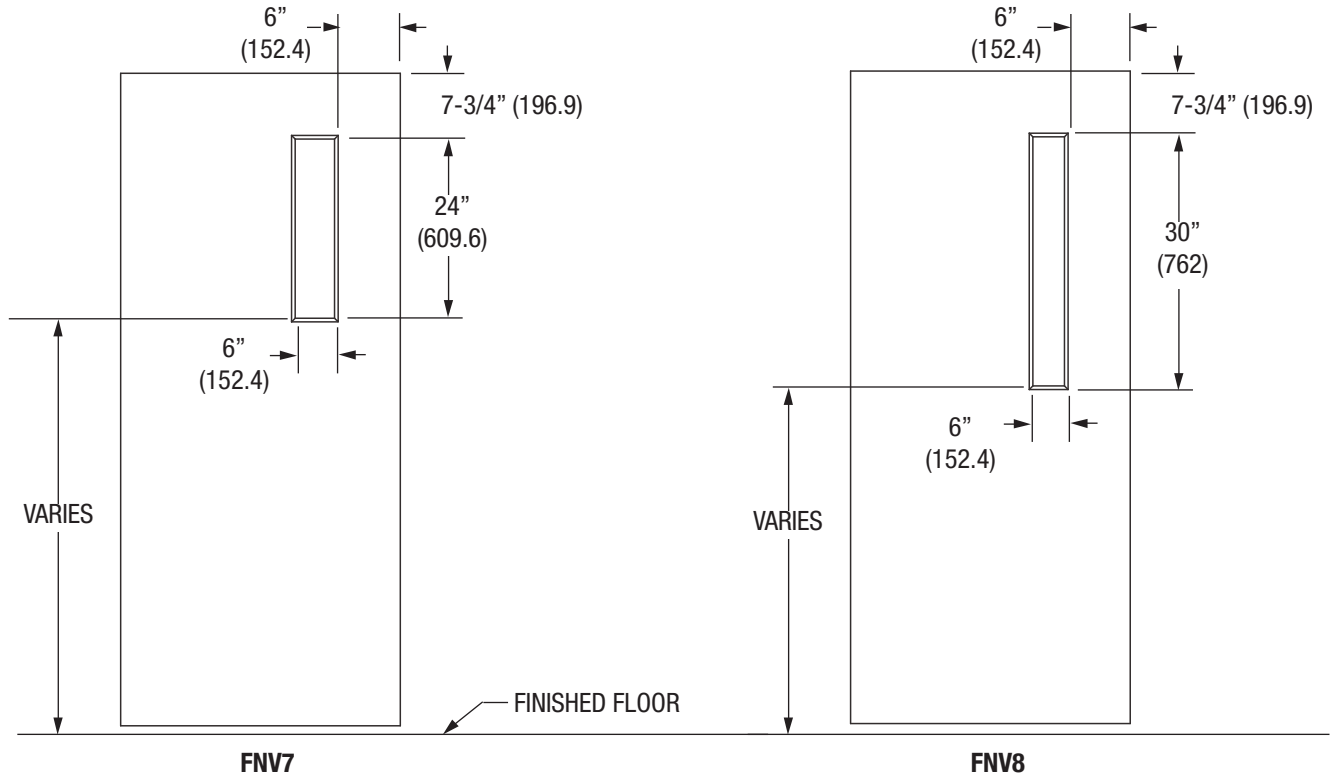


Type 1 & 2 Window Moulding



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

Type 1 & 2 Window Moulding



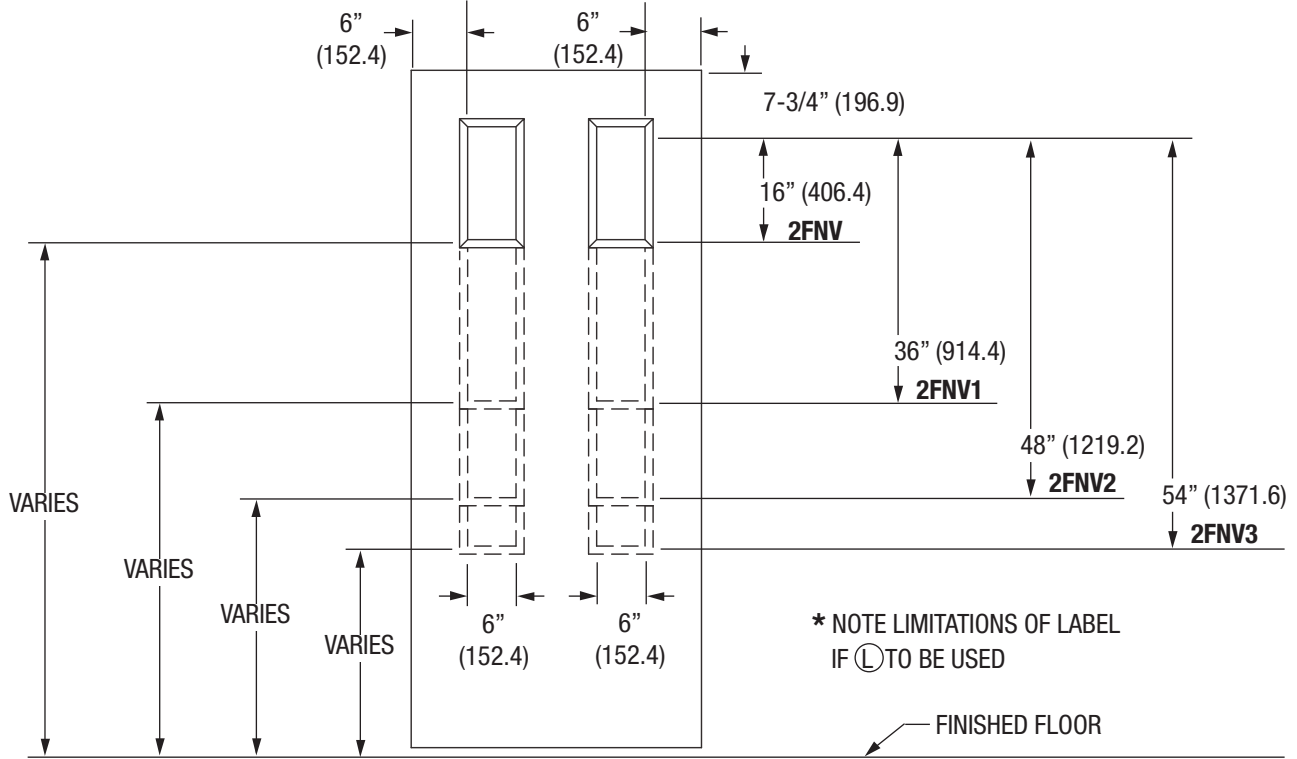
**STANDARD LOCATIONS FOR
DOORS 7'2" (2184.4) AND UNDER**

May, 2010

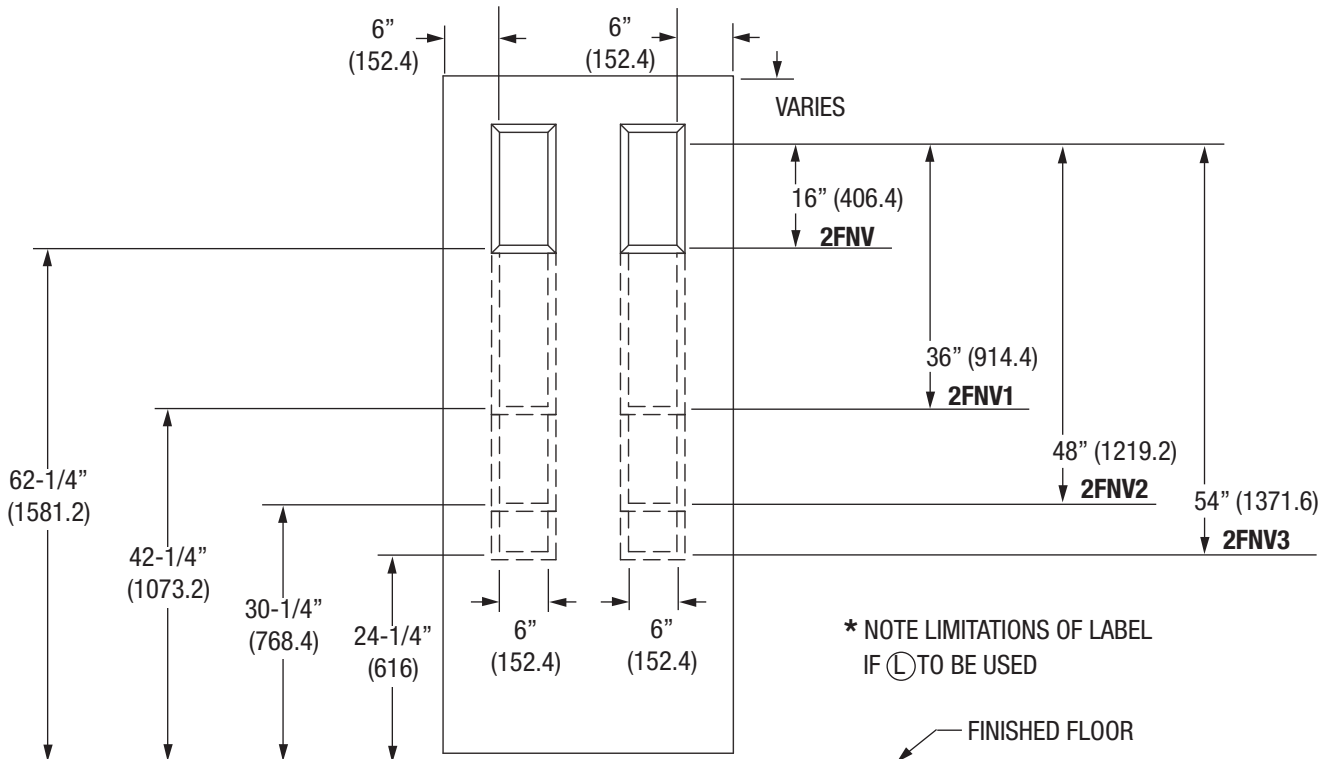


Type 1 & 2 Window Moulding

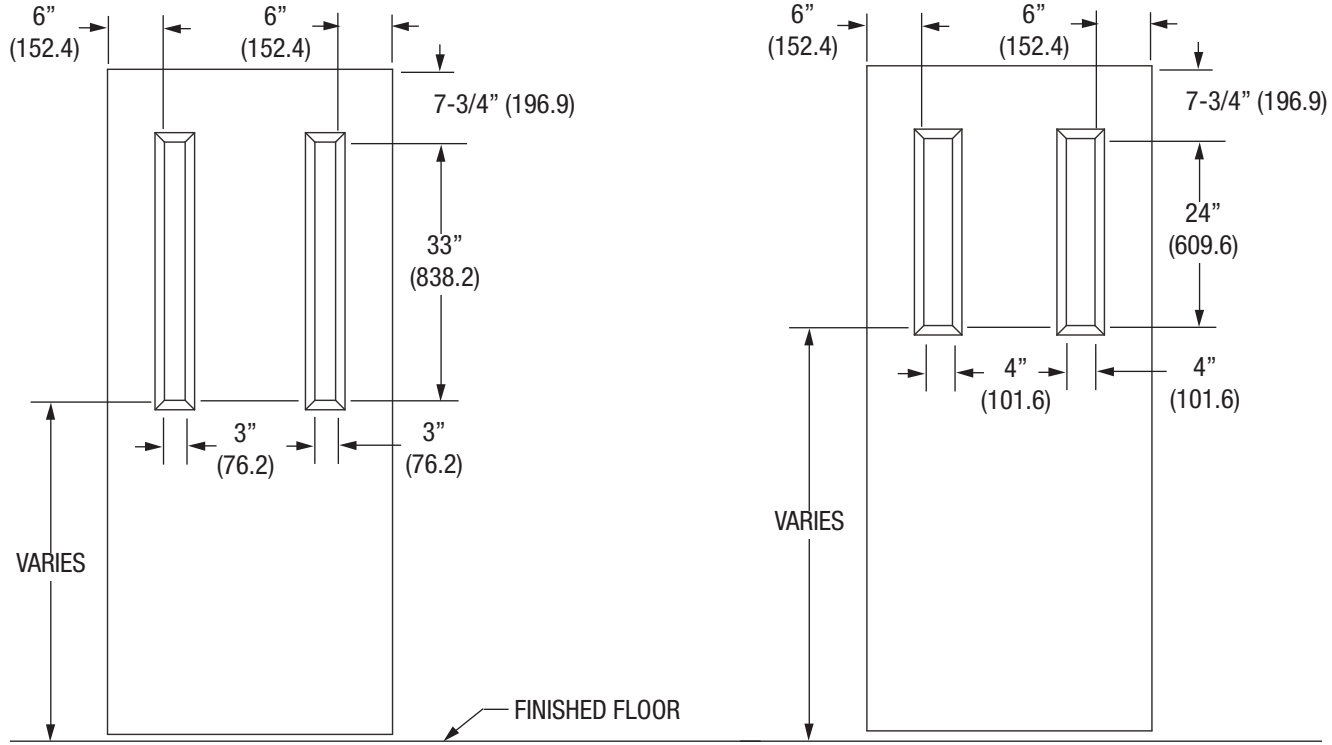
STANDARD LOCATIONS FOR DOORS 7'2" (2184.4) AND UNDER



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

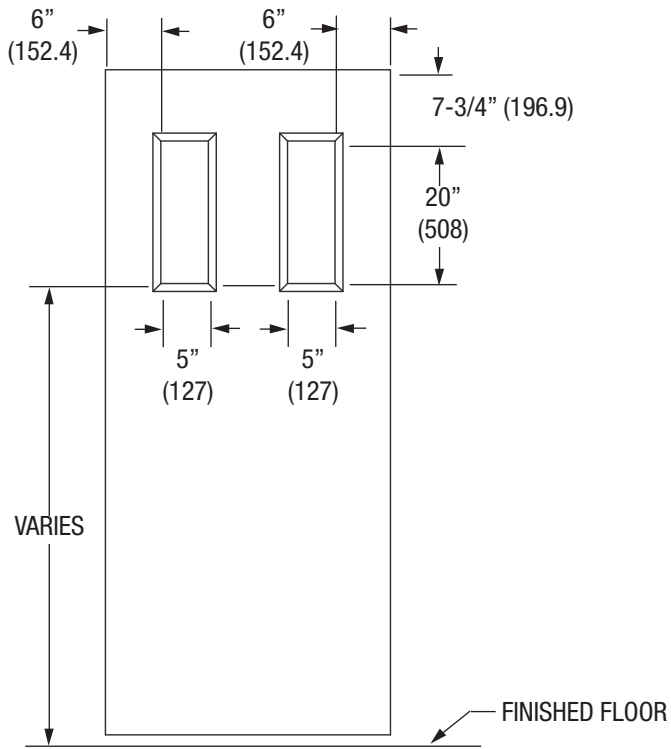


Type 1 & 2 Window Moulding



*** 2FNV4**

*** 2FNV5**



*** 2FNV6**

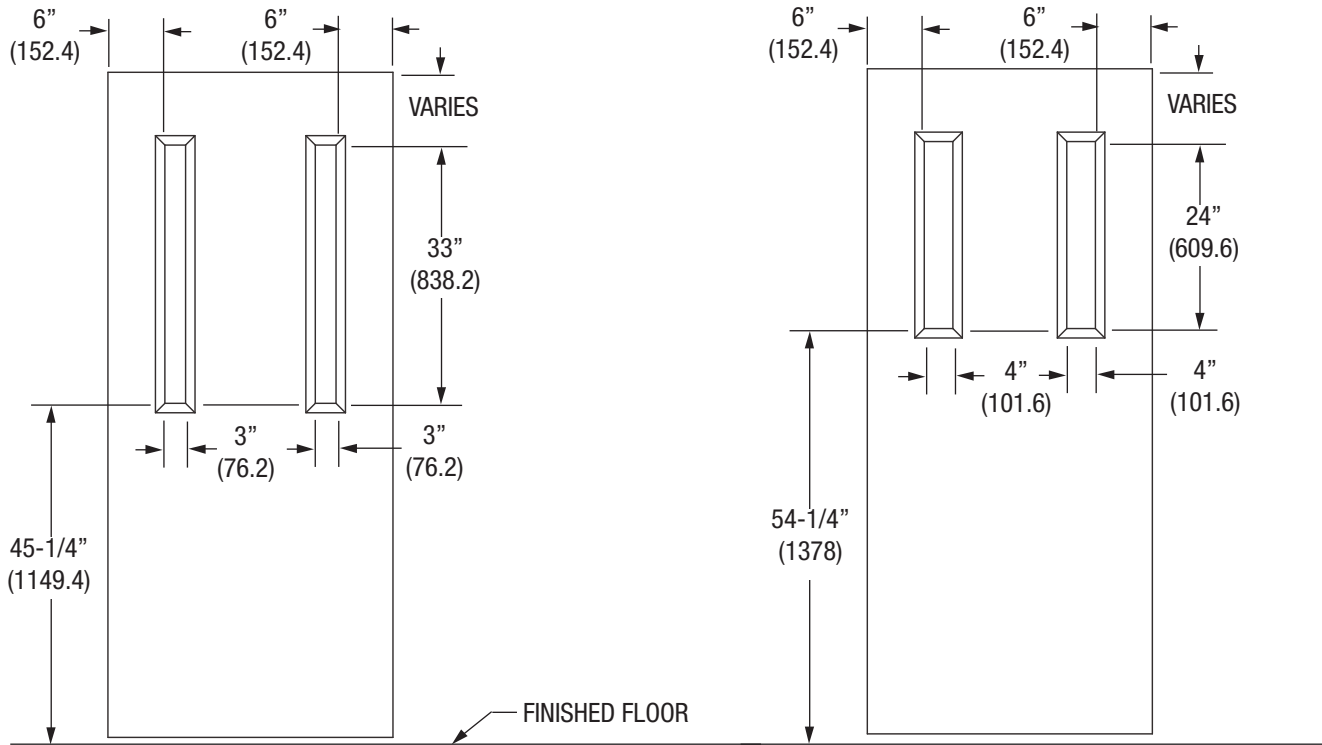
*** MINIMUM 6" (152.4) STILES
TO BE LABEL APPROVED**

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

May, 2010

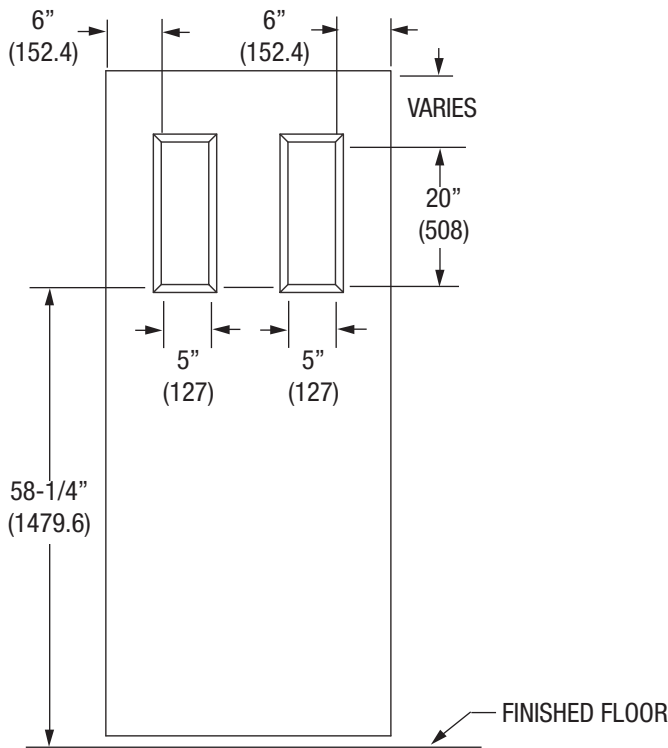


Type 1 & 2 Window Moulding



*** 2FNV4**

*** 2FNV5**

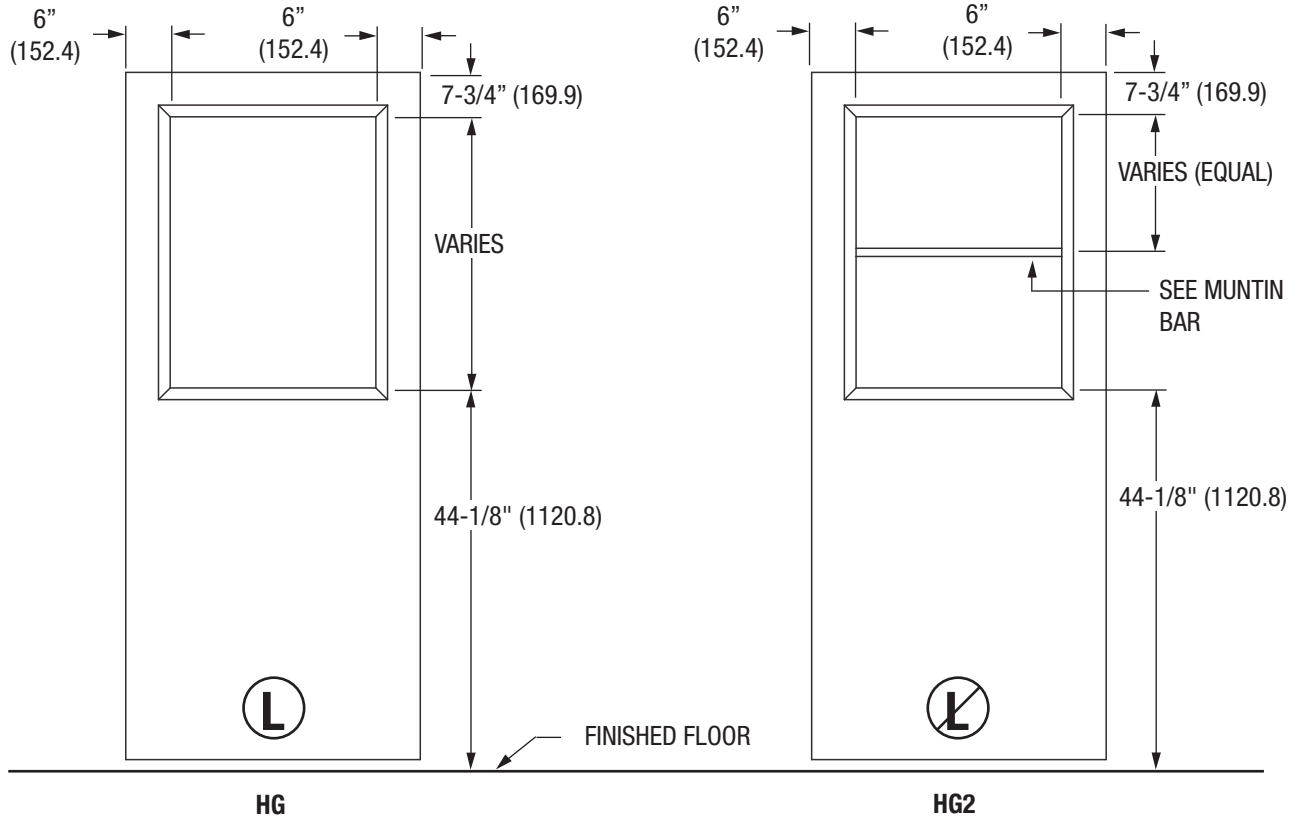


*** 2FNV6**

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

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

Type 1 & 2 Window Moulding



DOOR WIDTH	VISIBLE WIDTH	DOOR HEIGHT	VISIBLE HEIGHT
2'0" (609.6)	11-13/16" (300)		
2'4" (711.2)	15-13/16" (401.6)		
2'6" (762)	17-13/16" (452.4)	6'8" (2032)	28" (711.2)
2'8" (812.8)	19-13/16" (503.2)		
2'10" (863.6)	21-13/16" (554)		
3'0" (914.4)	23-13/16" (604.8)	7'0" (2133.6)	32" (812.8)
3'4" (1016)	27-13/16" (706.4)		
3'6" (1066.8)	29-13/16" (757.2)		
3'8" (1117.6)	31-13/16" (808)	7'2" (2184.4)	34" (863.6)
3'10" (1168.4)	33-13/16" (858.8)		
4'0" (1219.2)	35-13/16" (909.6)		

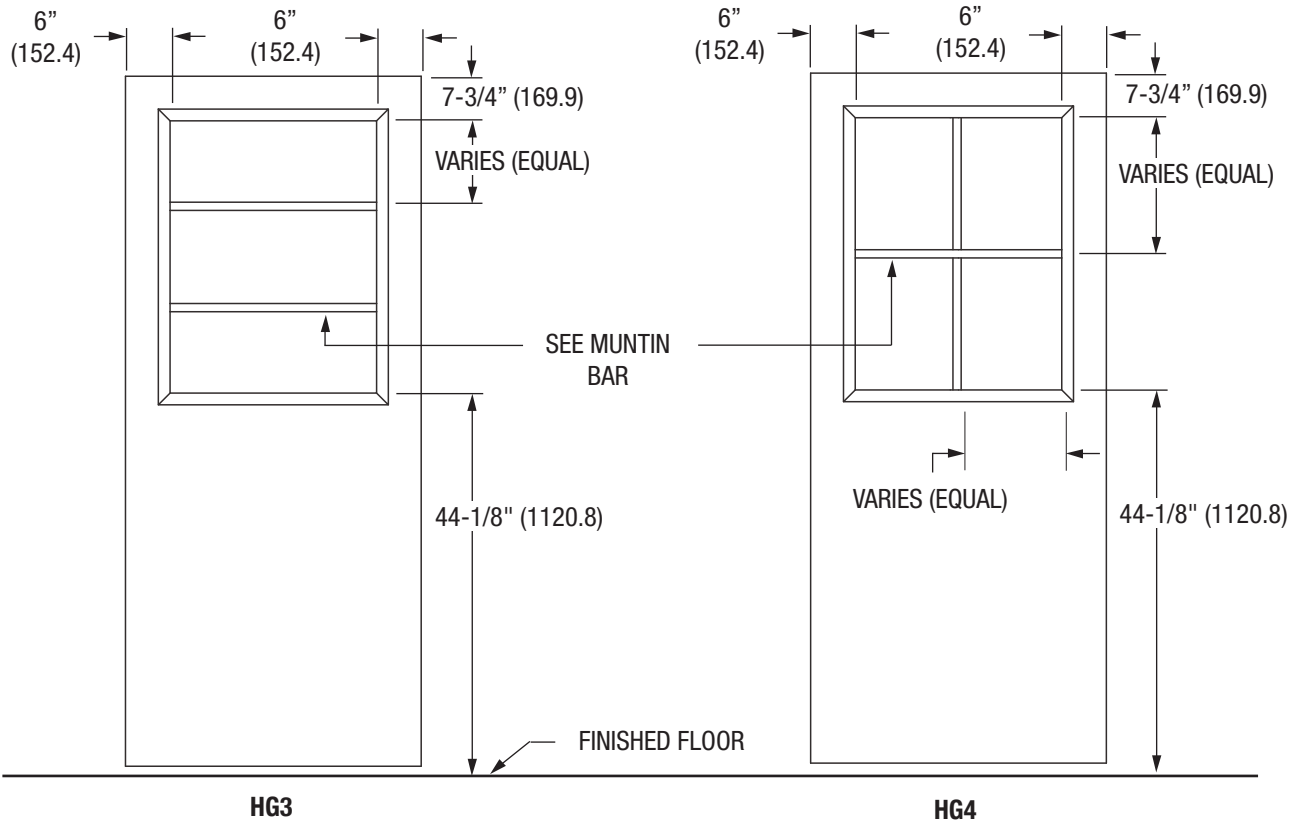
DOOR WIDTH	VISIBLE WIDTH	DOOR HEIGHT	VISIBLE HEIGHT
2'0" (609.6)	11-13/16" (330)		
2'4" (711.2)	15-13/16" (401.6)		
2'6" (762)	17-13/16" (452.4)	6'8" (2032)	13-9/16" (344.5)
2'8" (812.8)	19-13/16" (503.2)		
2'10" (863.6)	21-13/16" (554)		
3'0" (914.4)	23-13/16" (604.8)	7'0" (2133.6)	15-9/16" (395.3)
3'4" (1016)	27-13/16" (706.4)		
3'6" (1066.8)	29-13/16" (757.2)		
3'8" (1117.6)	31-13/16" (808)	7'2" (2184.4)	16-9/16" (420.7)
3'10" (1168.4)	33-13/16" (858.8)		
4'0" (1219.2)	35-13/16" (909.6)		

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).

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Type 1 & 2 Window Moulding



HG3

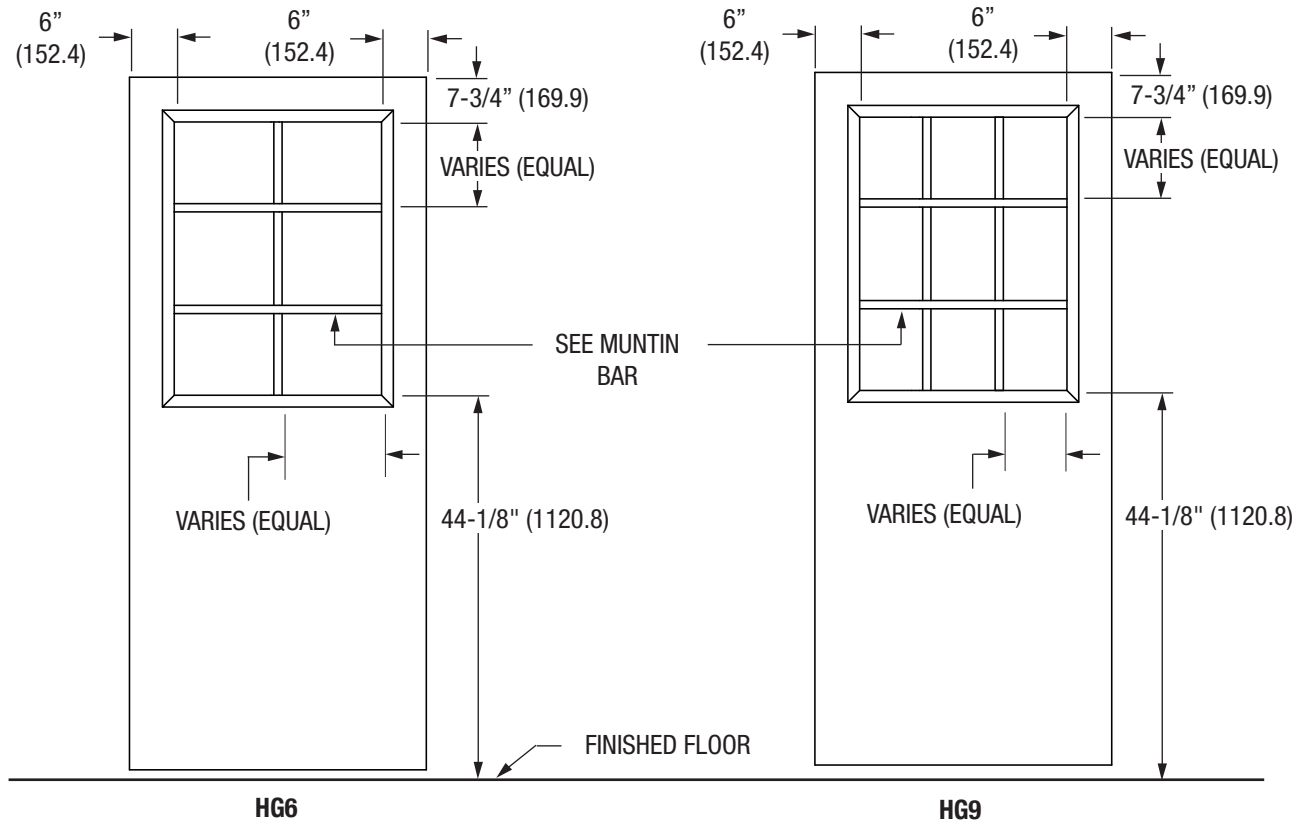
HG4

DOOR WIDTH	VISIBLE WIDTH	DOOR HEIGHT	VISIBLE HEIGHT
2'0" (609.6)	11-13/16" (300)		
2'4" (711.2)	15-13/16" (401.6)		
2'6" (762)	17-13/16" (452.4)	6'8" (2032)	8-3/4" (222.3)
2'8" (812.8)	19-13/16" (503.2)		
2'10" (863.6)	21-13/16" (554)		
3'0" (914.4)	23-13/16" (604.8)	7'0" (2133.6)	10-5/64" (256)
3'4" (1016)	27-13/16" (706.4)		
3'6" (1066.8)	29-13/16" (757.2)		
3'8" (1117.6)	31-13/16" (808)	7'2" (2184.4)	10-3/4" (273)
3'10" (1168.4)	33-13/16" (858.8)		
4'0" (1219.2)	35-13/16" (909.6)		

DOOR WIDTH	VISIBLE WIDTH	DOOR HEIGHT	VISIBLE HEIGHT
2'0" (609.6)	5-15/32" (138.9)		
2'4" (711.2)	7-15/32" (189.7)		
2'6" (762)	8-15/32" (215.1)	6'8" (2032)	13-9/16" (344.5)
2'8" (812.8)	9-15/32" (240.5)		
2'10" (863.6)	10-15/32" (265.9)		
3'0" (914.4)	11-15/32" (291.3)	7'0" (2133.6)	15-9/16" (395.3)
3'4" (1016)	13-15/32" (342.1)		
3'6" (1066.8)	14-15/32" (367.5)		
3'8" (1117.6)	15-15/32" (392.9)	7'2" (2184.4)	16-9/16" (420.7)
3'10" (1168.4)	16-15/32" (418.3)		
4'0" (1219.2)	17-15/32" (443.7)		

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



HG6

HG9

DOOR WIDTH	VISIBLE WIDTH	DOOR HEIGHT	VISIBLE HEIGHT
2'0" (609.6)	5-15/32" (138.9)		
2'4" (711.2)	7-15/32" (189.7)		
2'6" (762)	8-15/32" (215.1)	6'8" (2032)	8-3/4" (222.3)
2'8" (812.8)	9-15/32" (240.5)		
2'10" (863.6)	10-15/32" (265.9)		
3'0" (914.4)	11-15/32" (291.3)	7'0" (2133.6)	10-5/64" (256)
3'4" (1016)	13-15/32" (342.1)		
3'6" (1066.8)	14-15/32" (367.5)		
3'8" (1117.6)	15-15/32" (392.9)	7'2" (2184.4)	10-3/4" (273)
3'10" (1168.4)	16-15/32" (418.3)		
4'0" (1219.2)	17-15/32" (443.7)		

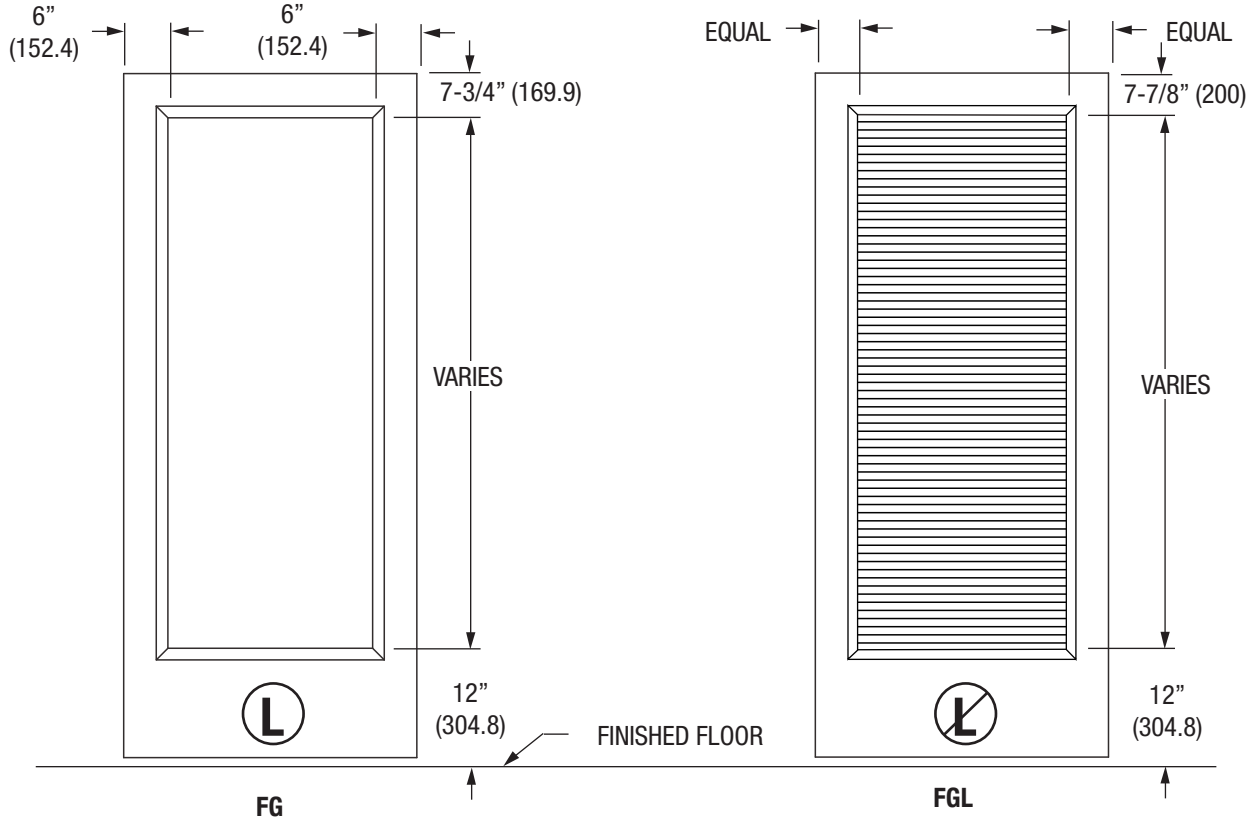
DOOR WIDTH	VISIBLE WIDTH	DOOR HEIGHT	VISIBLE HEIGHT
2'0" (609.6)	3-5/16" (84.1)		
2'4" (711.2)	4-5/8" (117.5)		
2'6" (762)	5-5/16" (134.9)	6'8" (2032)	8-3/4" (222.3)
2'8" (812.8)	6" (152.4)		
2'10" (863.6)	6-5/8" (168.3)		
3'0" (914.4)	7-5/16" (185.7)	7'0" (2133.6)	10-5/64" (256)
3'4" (1016)	8-5/8" (219.1)		
3'6" (1066.8)	9-5/16" (236.5)		
3'8" (1117.6)	10" (254)	7'2" (2184.4)	10-3/4" (273)
3'10" (1168.4)	10-5/8" (269.9)		
4'0" (1219.2)	11-5/16" (287.3)		

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).

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Type 1 & 2 Window Moulding

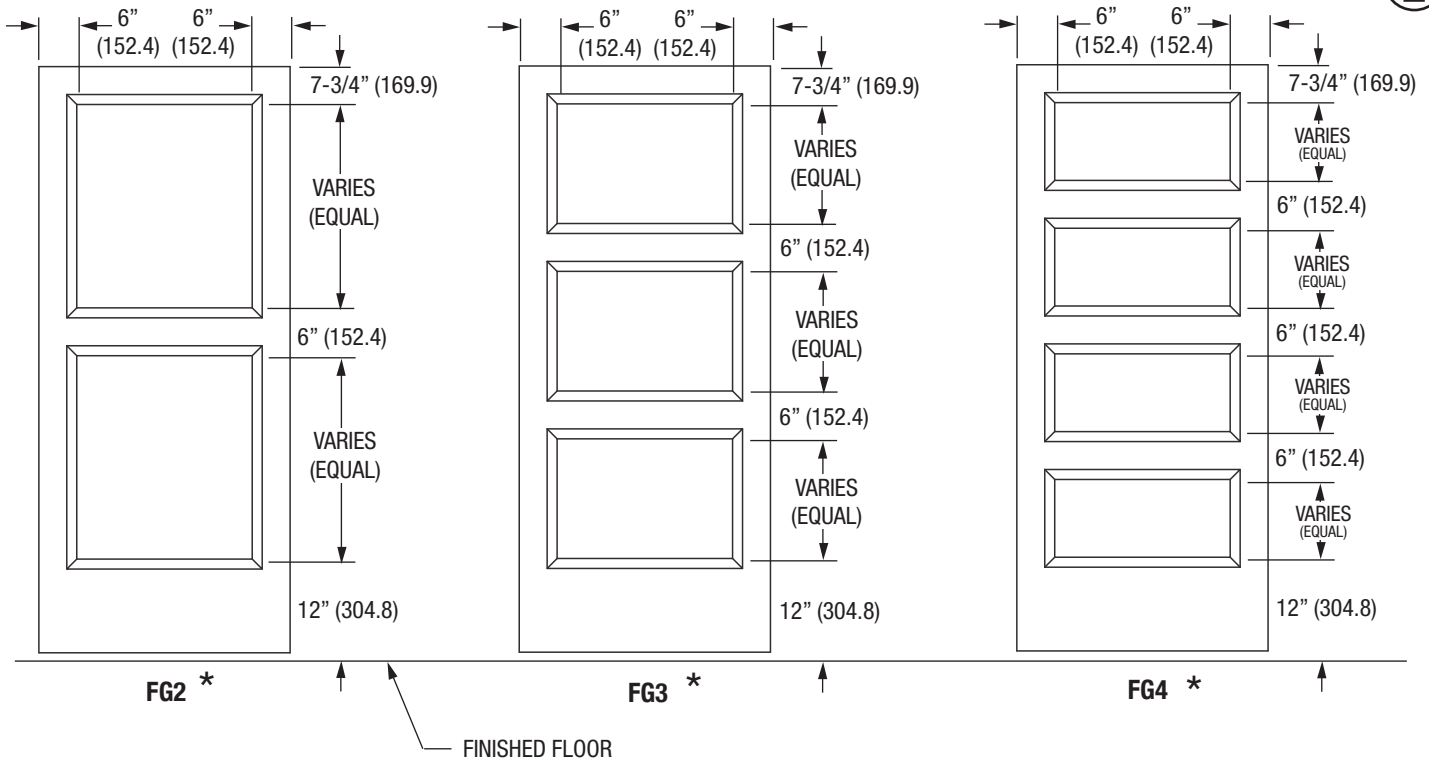


DOOR WIDTH	VISIBLE WIDTH	DOOR HEIGHT	VISIBLE HEIGHT
2'0" (609.6)	11-13/16" (300)		
2'4" (711.2)	15-13/16" (401.6)		
2'6" (762)	17-13/16" (452.4)	6'8" (2032)	60-1/8" (1527.2)
2'8" (812.8)	19-13/16" (503.2)		
2'10" (863.6)	21-13/16" (554)		
3'0" (914.4)	23-13/16" (604.8)	7'0" (2133.6)	64-1/8" (1628.8)
3'4" (1016)	27-13/16" (706.4)		
3'6" (1066.8)	29-13/16" (757.2)		
3'8" (1117.6)	31-13/16" (808)	7'2" (2184.4)	66-1/8" (1679.6)
3'10" (1168.4)	33-13/16" (858.8)		
4'0" (1219.2)	35-13/16" (909.6)		

DOOR WIDTH	VISIBLE WIDTH	DOOR HEIGHT	VISIBLE HEIGHT
2'0" (609.6)	12" (304.8)		
2'4" (711.2)	16" (406.4)		
2'6" (762)	18" (457.2)	6'8" (2032)	60" (1524)
2'8" (812.8)	20" (508)		
2'10" (863.6)	22" (558.8)		
3'0" (914.4)	24" (609.6)	7'0" (2133.6)	64" (1625.6)
3'4" (1016)	28" (711.6)		
3'6" (1066.8)	30" (762)		
3'8" (1117.6)	32" (812.8)	7'2" (2184.4)	66" (1676.4)
3'10" (1168.4)	34" (863.6)		
4'0" (1219.2)	36" (914.4)		

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

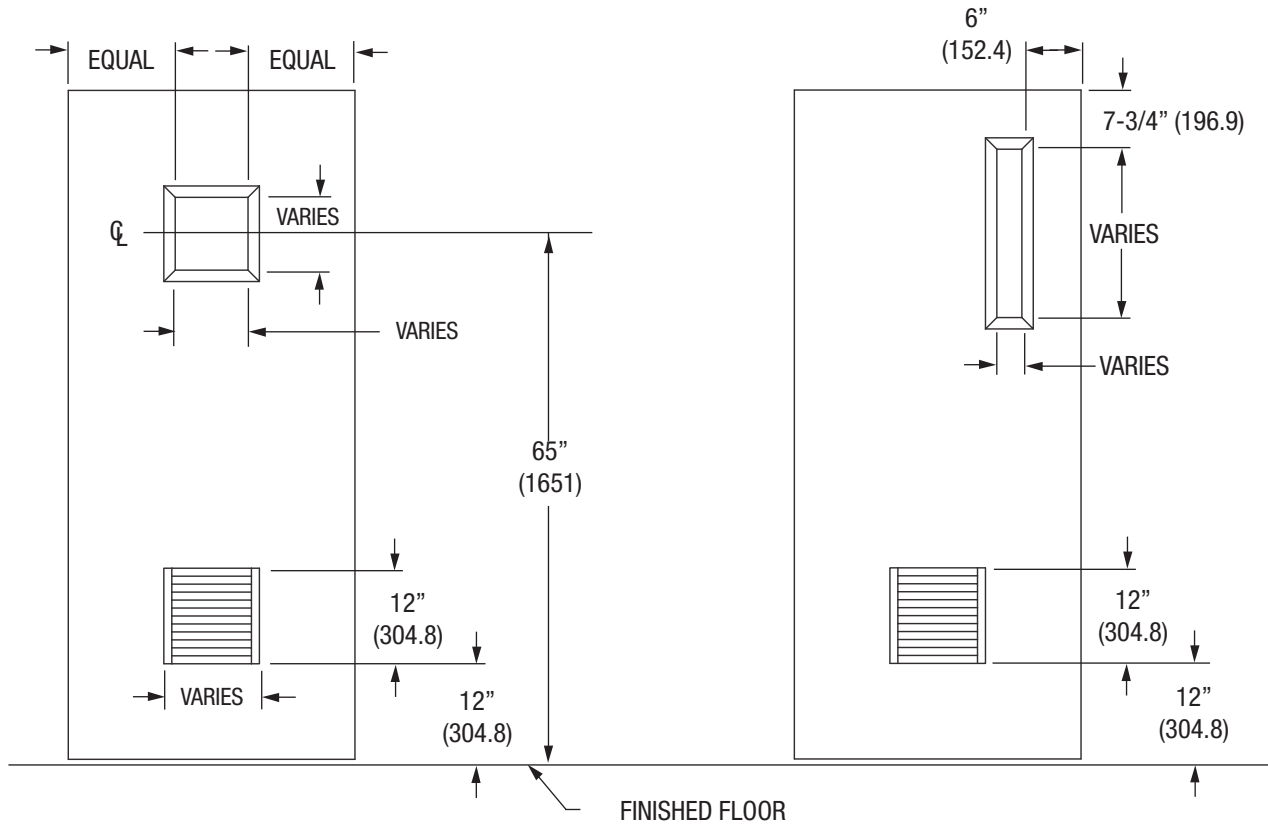
DOOR WIDTH	VISIBLE WIDTH	FG2		FG3		FG4	
		DOOR HEIGHT	VISIBLE HEIGHT	DOOR HEIGHT	VISIBLE HEIGHT	DOOR HEIGHT	VISIBLE HEIGHT
2'0" (609.6)	11-13/16" (330)						
2'4" (711.2)	15-13/16" (401.6)						
2'6" (762)	17-13/16" (452.4)	6'8" (2032)	27-1/16" (687.4)	6'8" (2032)	16-1/16" (408)	6'8" (2032)	10-9/16" (268.3)
2'8" (812.8)	19-13/16" (503.2)						
2'10" (863.6)	21-13/16" (554)						
3'0" (914.4)	23-13/16" (604.8)	7'0" (2133.6)	29-1/16" (738.2)	7'0" (2133.6)	17-3/8" (441.3)	7'0" (2133.6)	11-9/16" (293.7)
3'4" (1016)	27-13/16" (706.4)						
3'6" (1066.8)	29-13/16" (757.2)						
3'8" (1117.6)	31-13/16" (808)	7'2" (2184.4)	30-1/16" (763.6)	7'2" (2184.4)	18-1/16" (458.8)	7'2" (2184.4)	12-1/16" (306.4)
3'10" (1168.4)	33-13/16" (858.8)						
4'0" (1219.2)	35-13/16" (909.6)						

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).

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Type 1 & 2 Window Moulding



FVL

- FV = FULL VISION STANDARDS
- L = LOUVER STANDARDS

FNVL

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

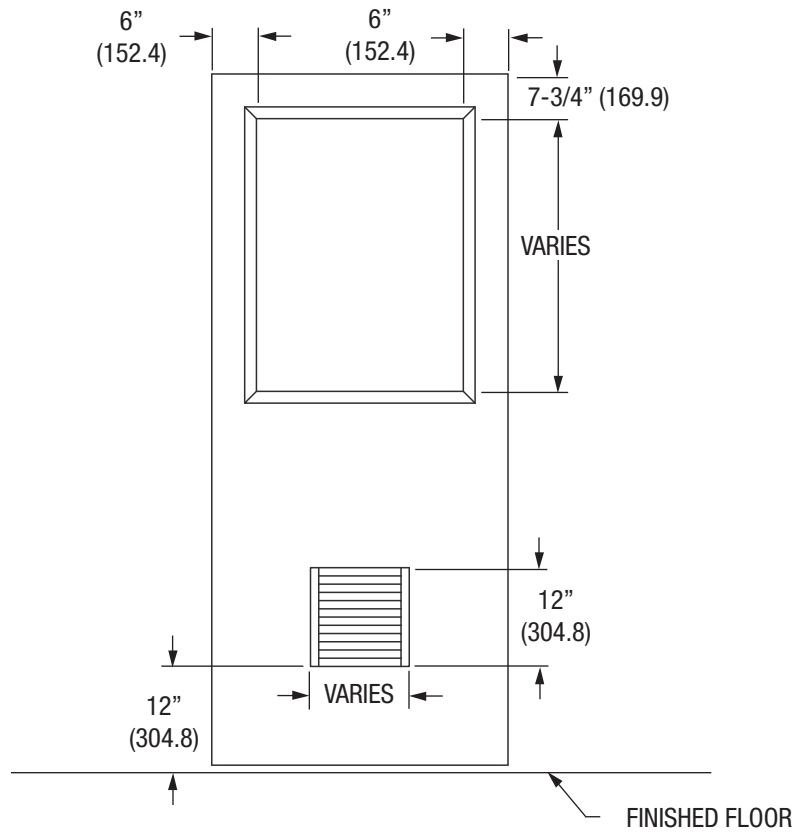
EXAMPLE: FV1L2
 12" X 12" (305 X 305) FULL VISION LITE ←
 18" X 12" (457 X 305) LOUVER ←

EXAMPLE: FNVL2
 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

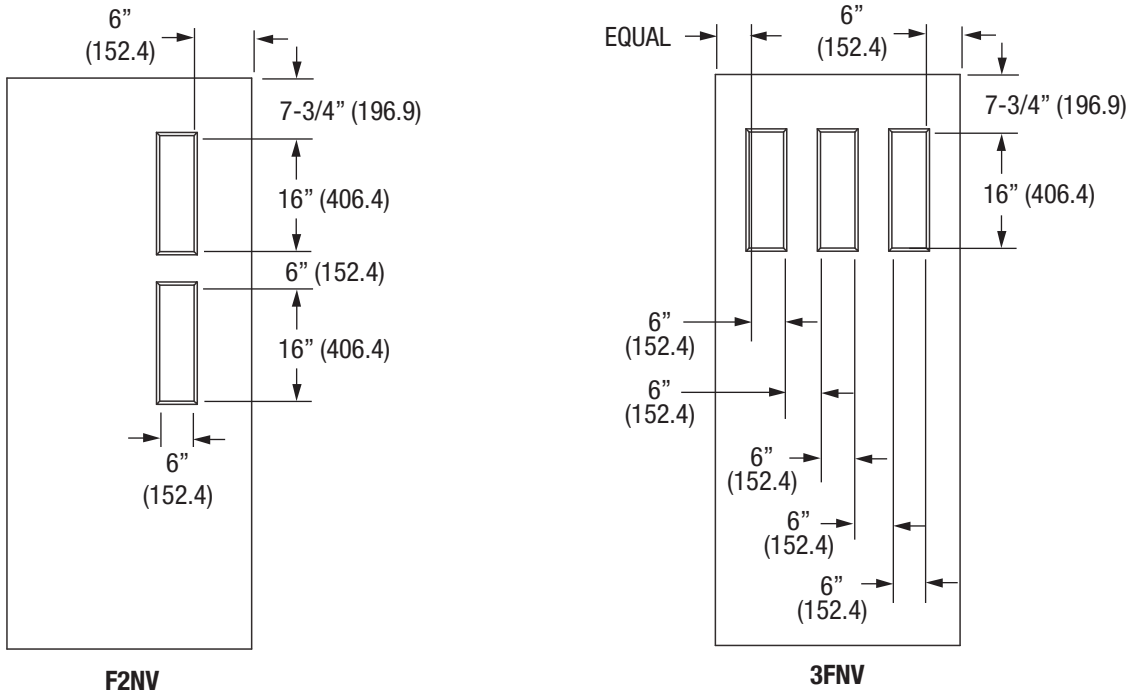
EXAMPLE: HGL 2
 WINDOW PANE-HALF GLASS ←
 18" X 12" (457 X 305) LOUVER ←

PROVIDE CUTOUT ONLY SIZE FOR LOUVERS

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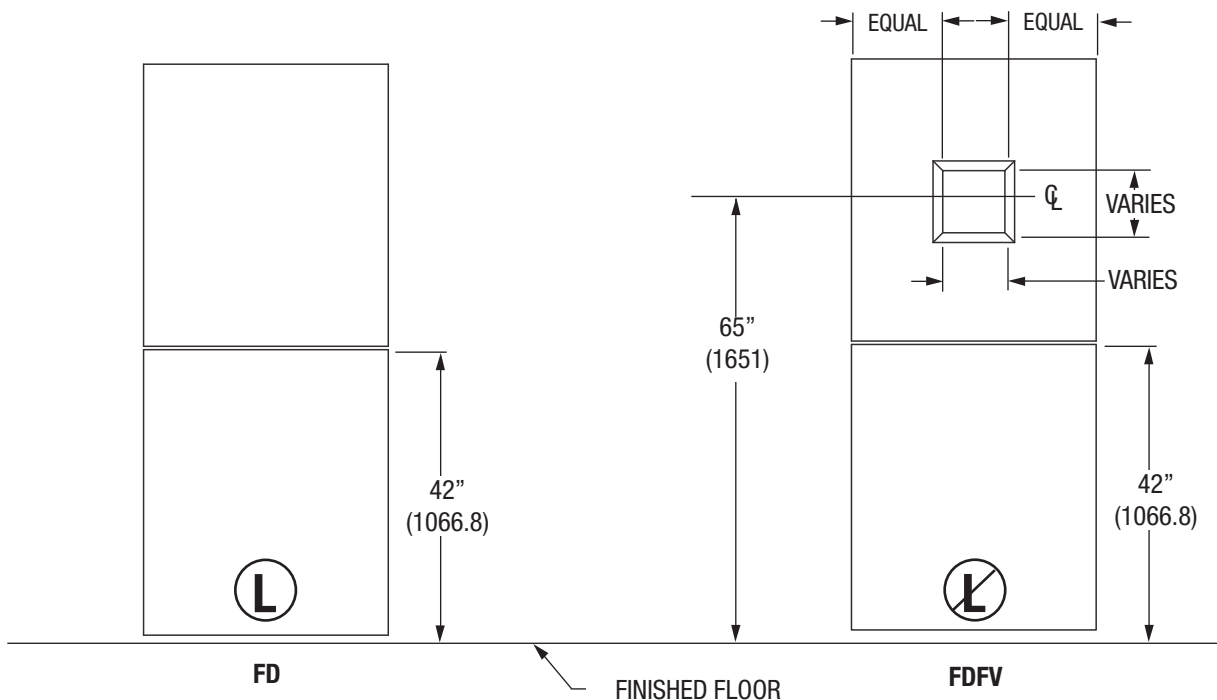
Type 1 & 2 Window Moulding



DOOR WIDTH FOR 3FNV MUST BE AT LEAST 3'6" (1066.8) WIDE!

* NOTE: MINIMUM 6" STILES TO BE FIRE LABEL LISTED.

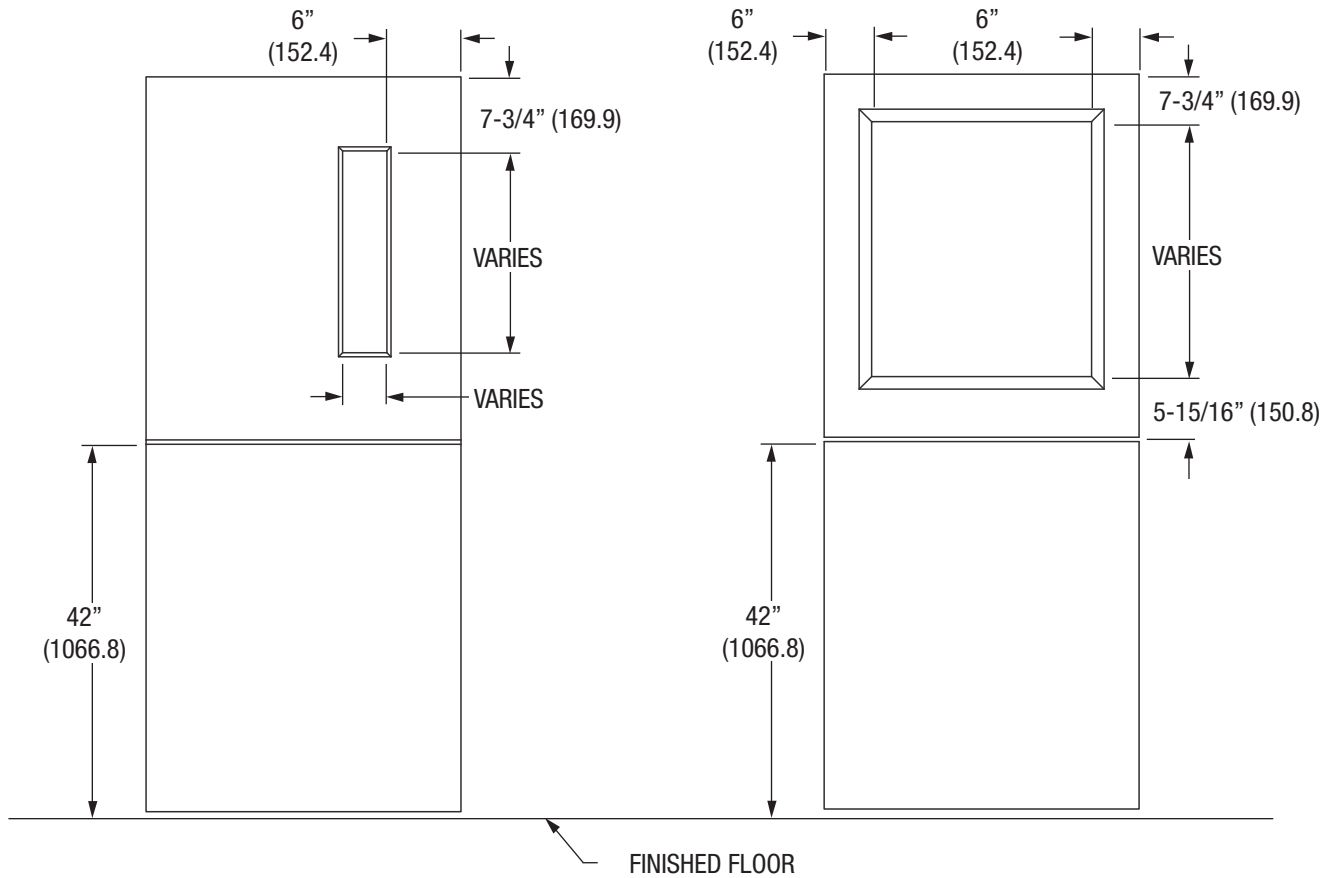
Face Type Locations FD, FDFV



FDFV	10" (254) X 10" (254)
FDFV1	12" (304.8) X 12" (304.8)



Type 1 & 2 Window Moulding



FDFNV

FD = FLUSH DUTCH
 FNV = FULL NARROW VISION STANDARDS

FDHG

FD = FLUSH DUTCH
 HG = HALF GLASS STANDARDS

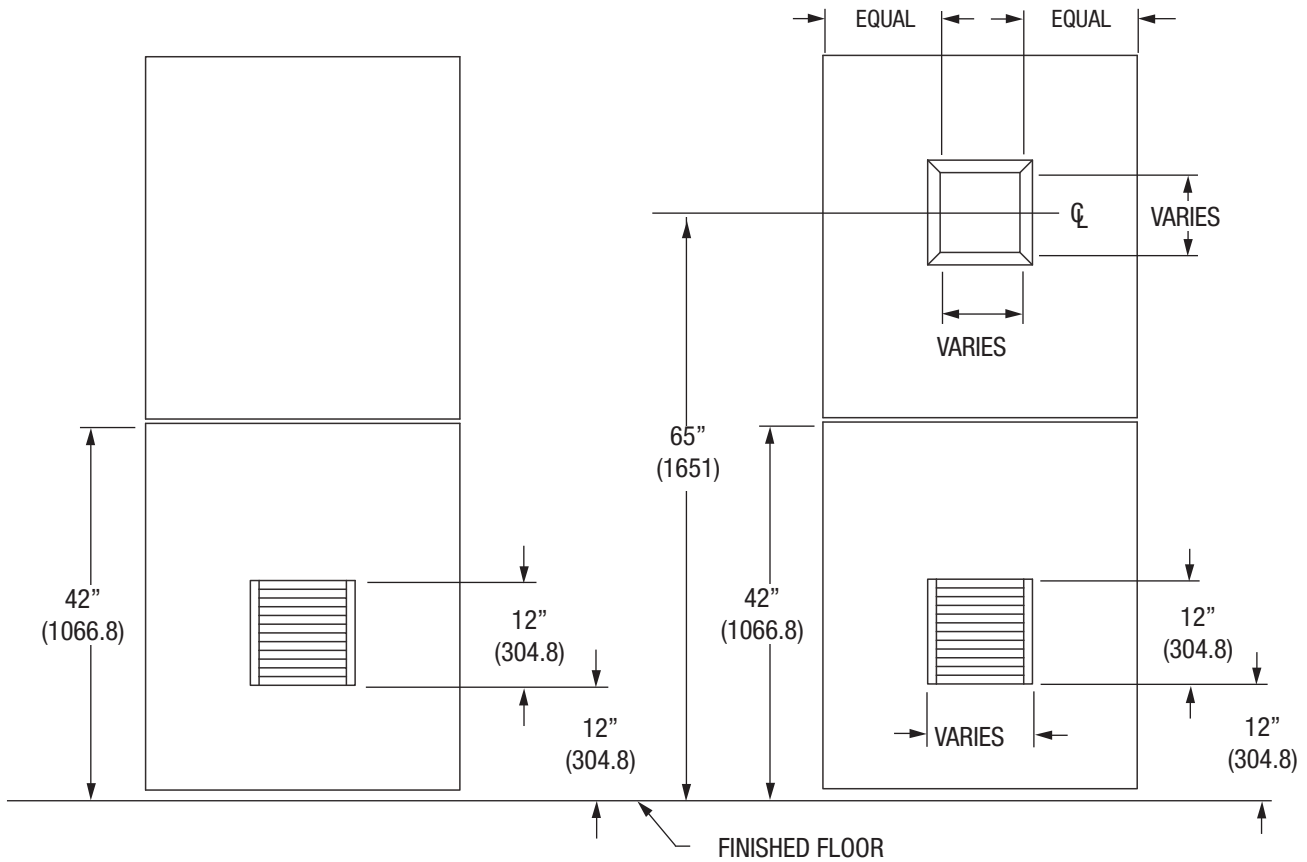
EXAMPLE: **FDFNV1**
 FLUSH DUTCH ←
 6" X 36" (152 X 914) NARROW VISION LITE ←

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

May, 2010



Type 1 & 2 Window Moulding



FDL

- FD = FLUSH DUTCH
- L = LOUVER STANDARDS

FDFVL

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

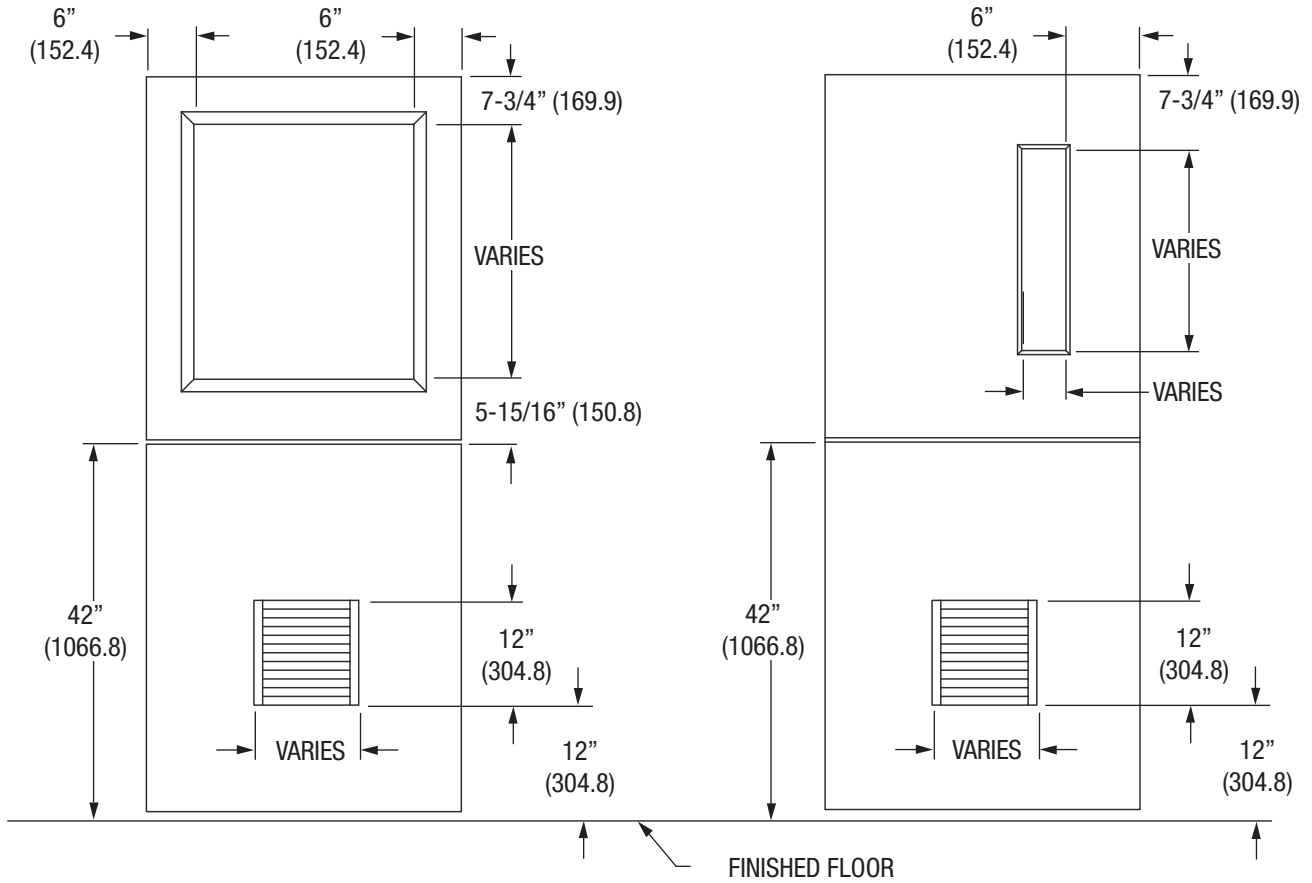
EXAMPLE: FDL3
 FLUSH DUTCH ←
 20" X 12" (508 X 305) LOUVER ←

EXAMPLE: FDFV1L3
 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

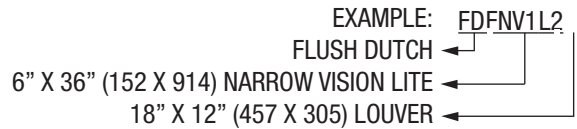
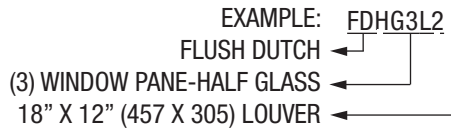


FDHGL

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

FDFNVL

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



PROVIDE CUTOUT ONLY SIZE FOR LOUVERS

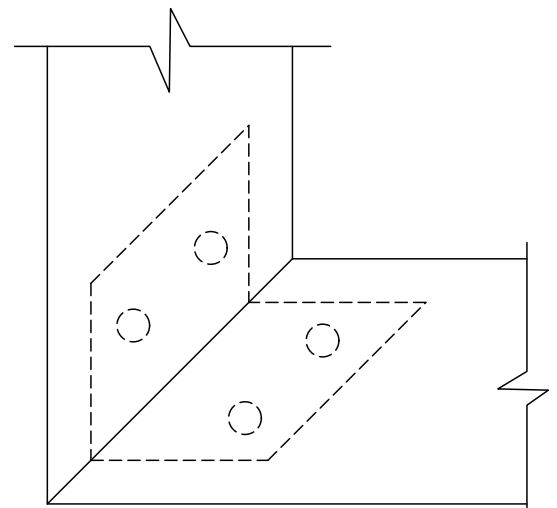
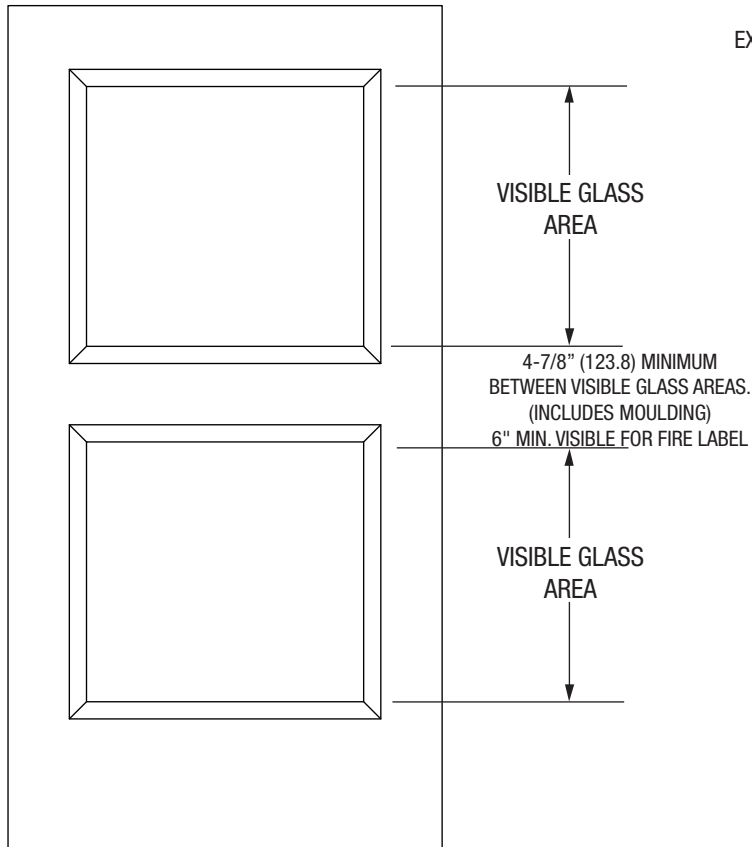
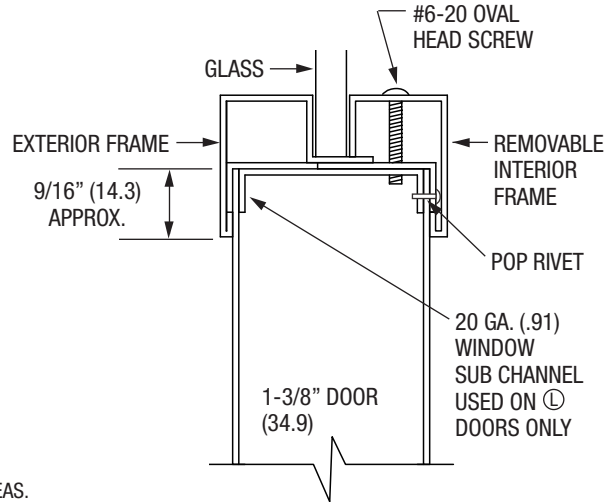
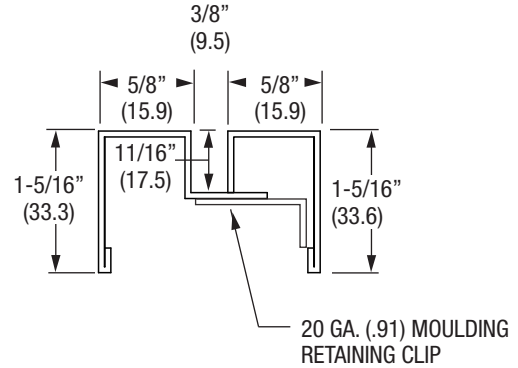
May, 2010



Type 1 & 2 Window Moulding

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

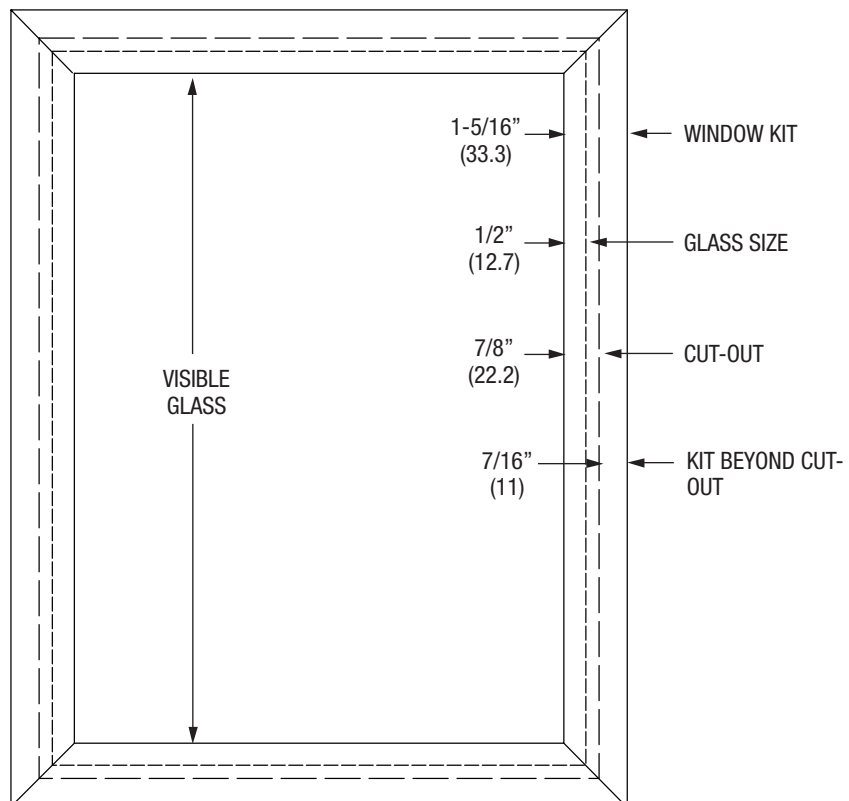
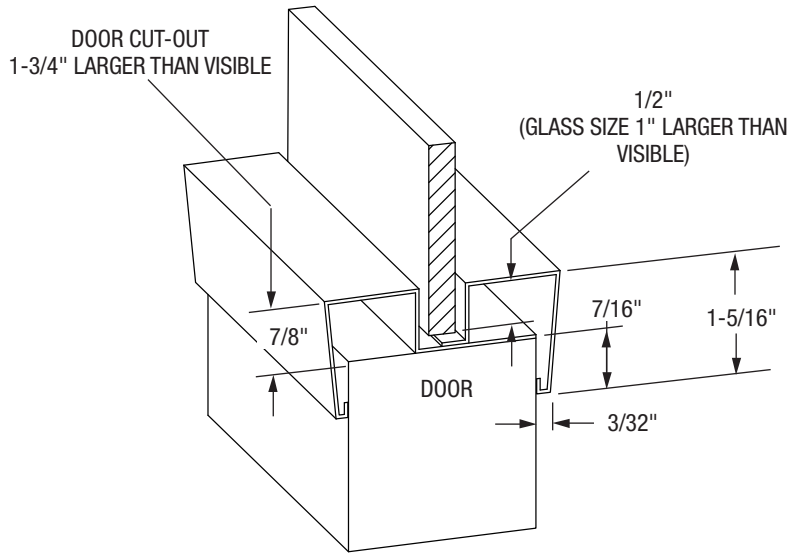
1/4" (6.3) GLASS
3/8" (9.5) POCKET ONLY



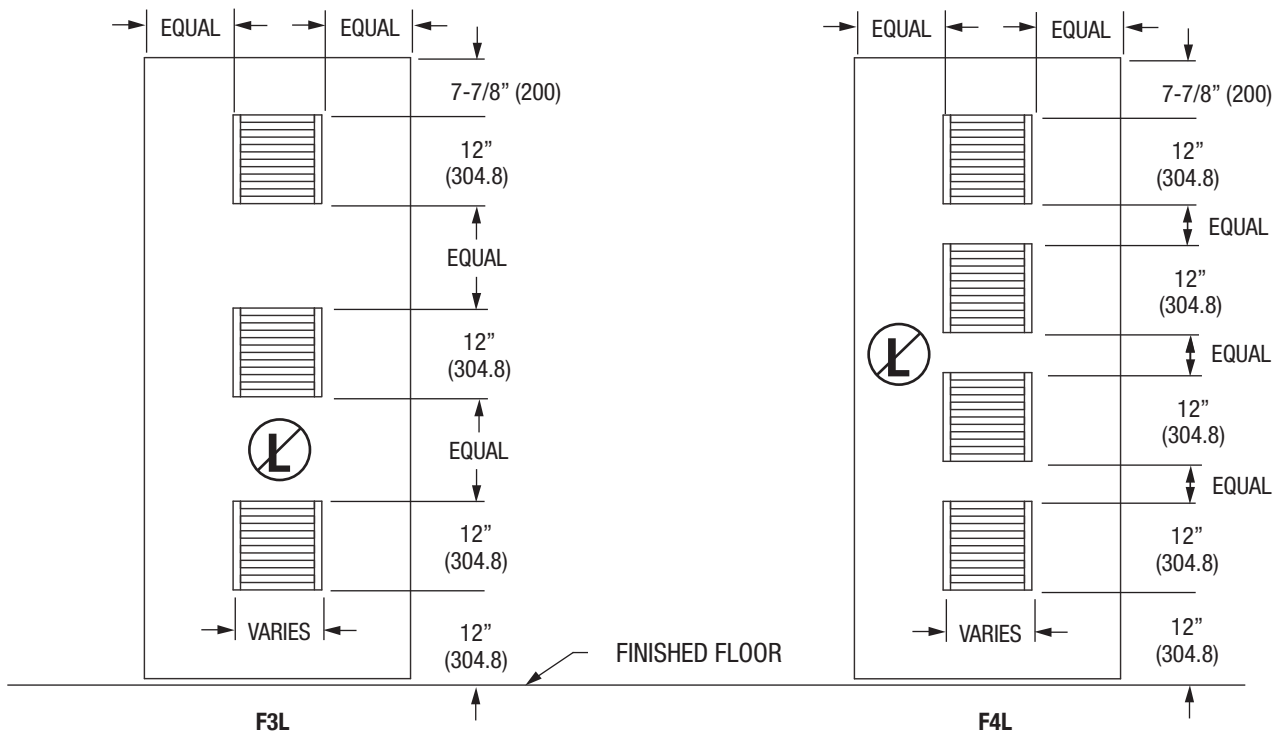
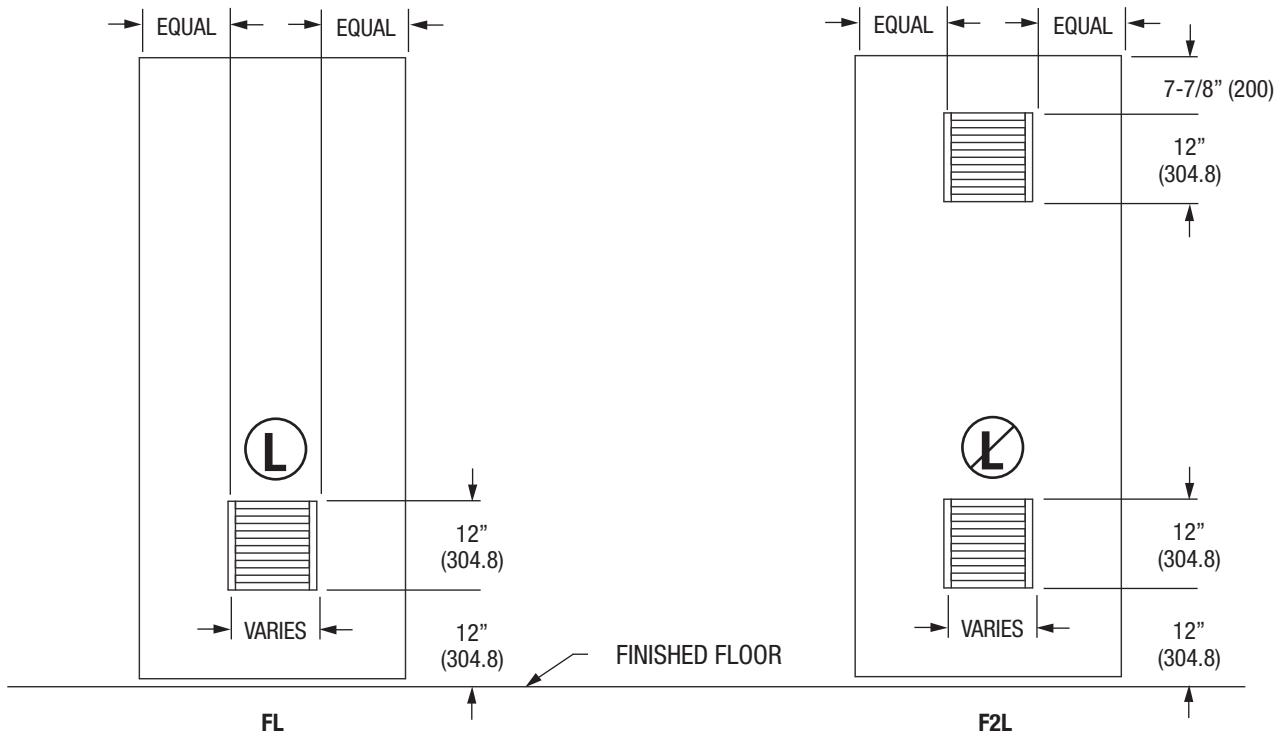
CORNER DETAIL WITH
CORNER CLIP WELDED IN

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

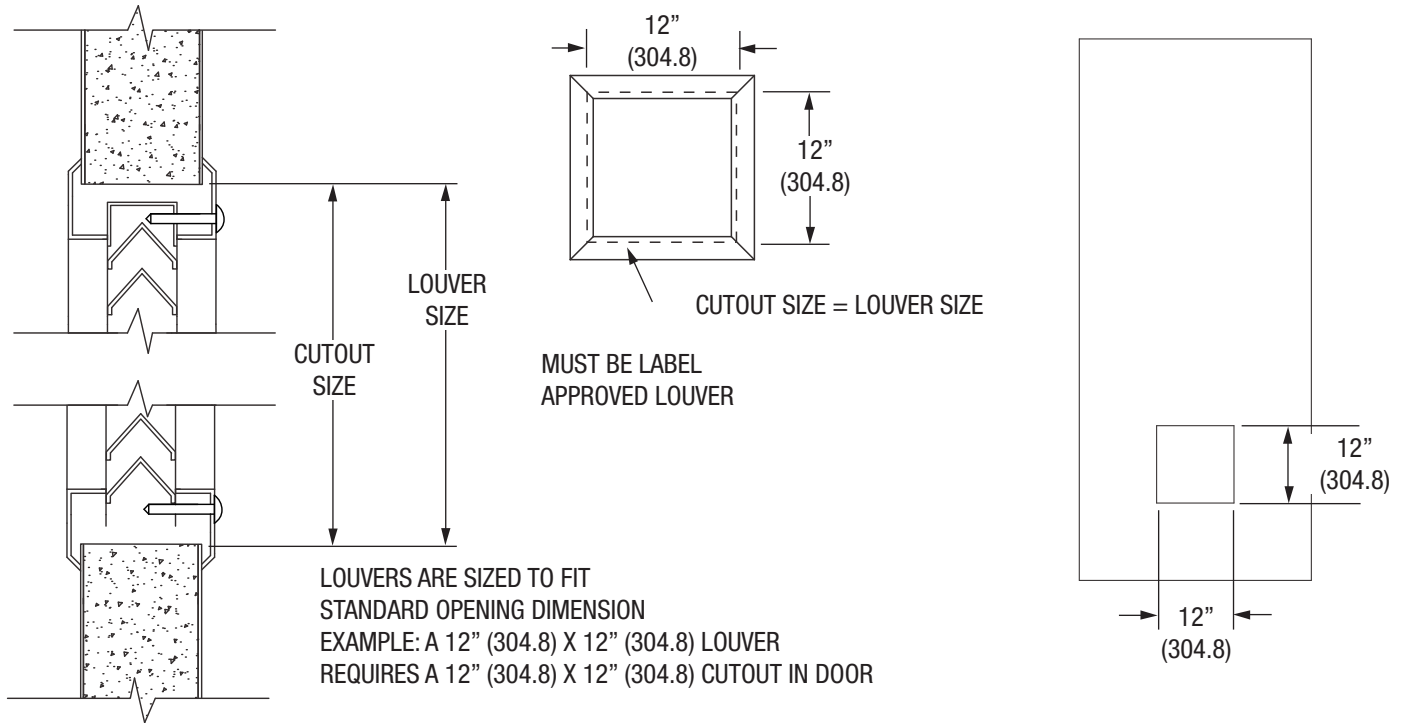
Type 1 & 2 Window Moulding



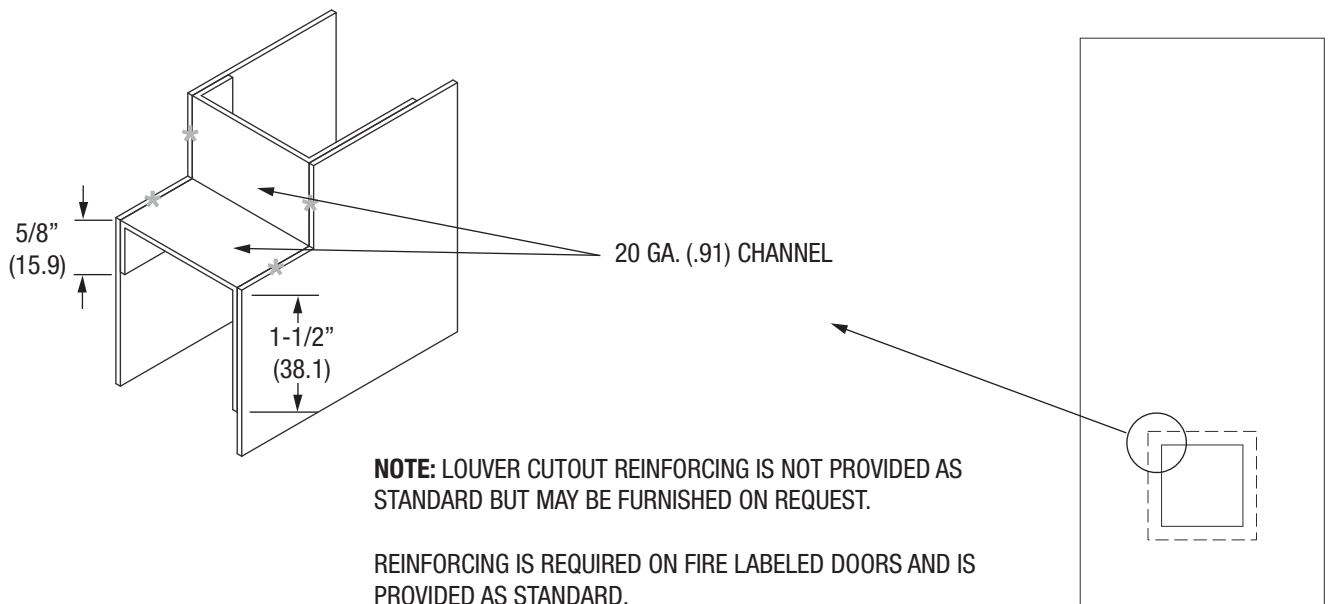
April, 2002



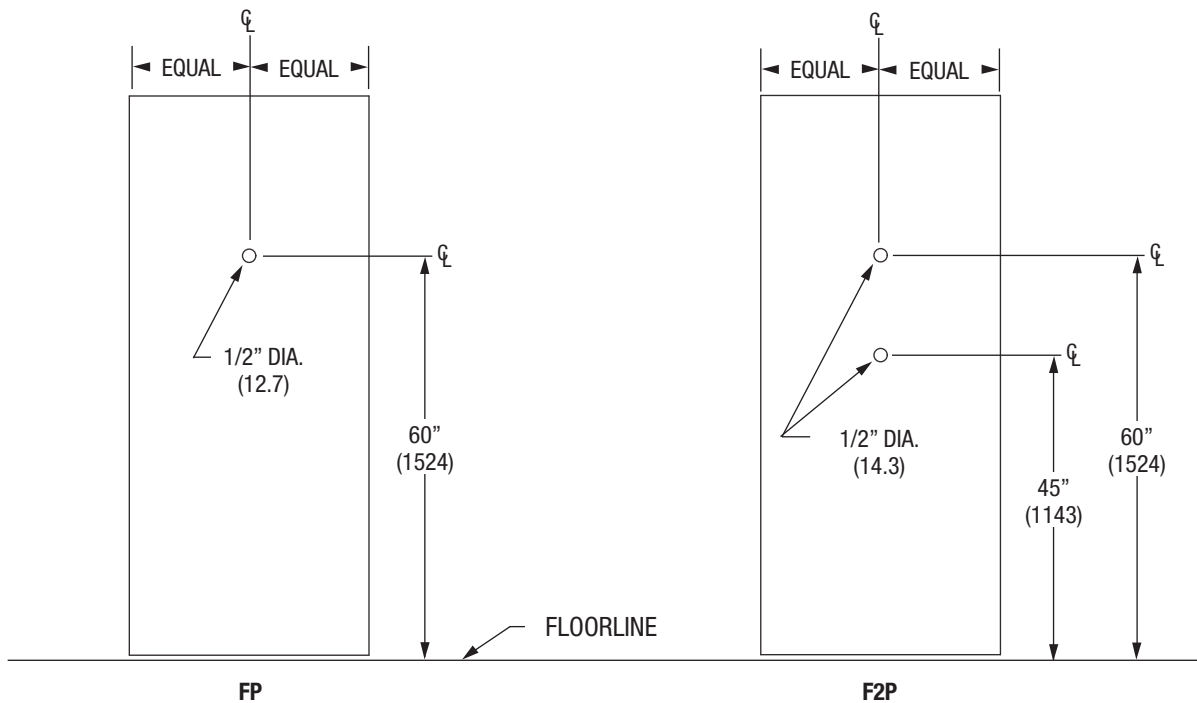
FL	F2L	F3L	F4L	12" (304.8) X 12" (304.8)
FL2	F2L2	F3L2	F4L2	18" (457.2) X 12" (304.8)
FL3	F2L3	F3L3	F4L3	20" (508) X 12" (304.8)
FL4	F2L4	F3L4	F4L4	24" (609.6) X 12" (304.8)



Louver Cutout Reinforcing (Optional)

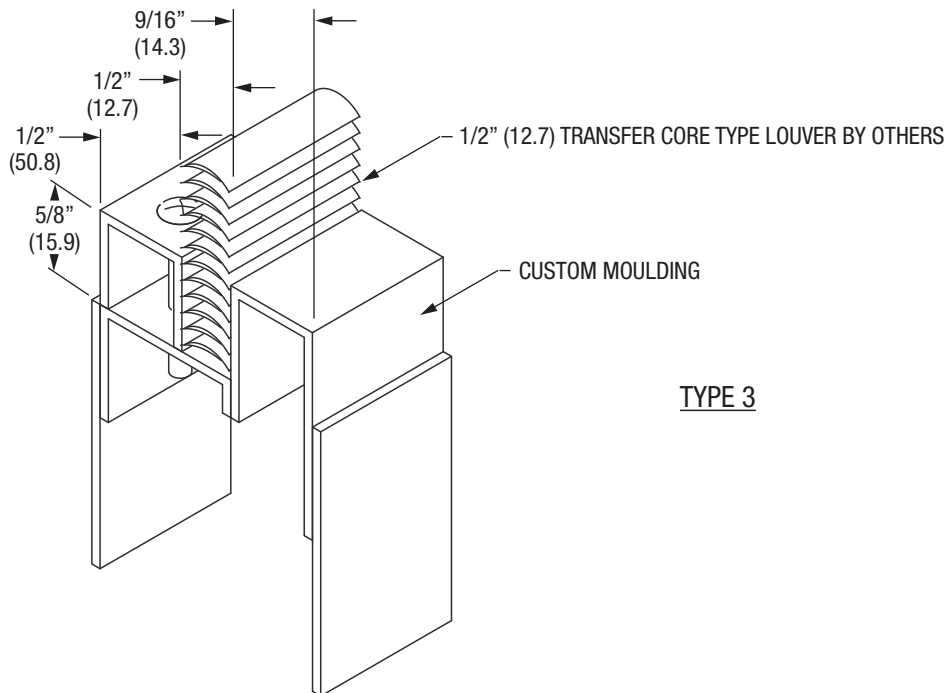


April, 2002



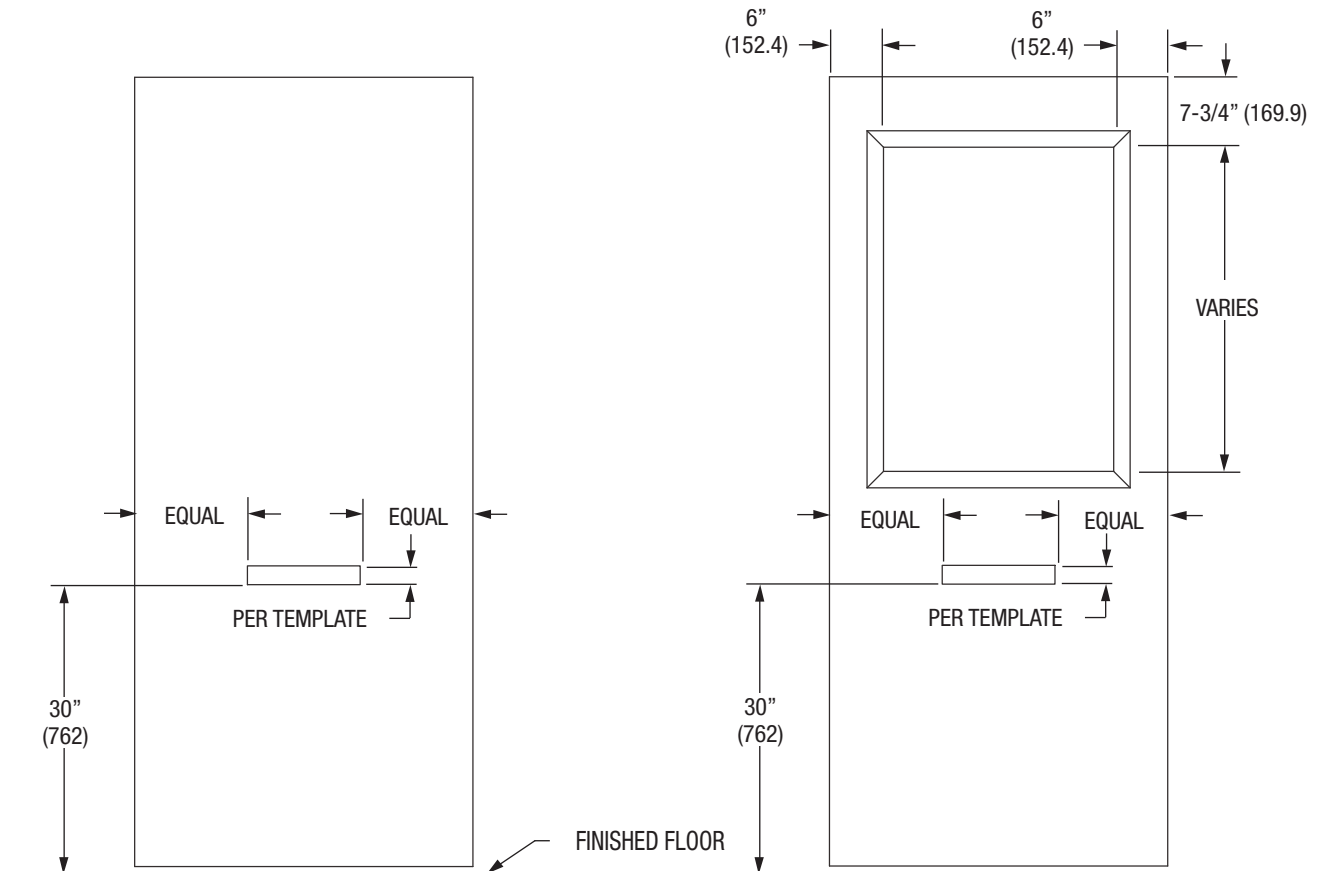
FP	F2P	1/2" (12.7) DIA.
FP1	F2P1	9/16" (14.3) DIA.

Transfer Core Type Louver Moulding



TYPE 3

Type 1 & 2 Window Moulding



FMS
FMS = FLUSH MAIL SLOT

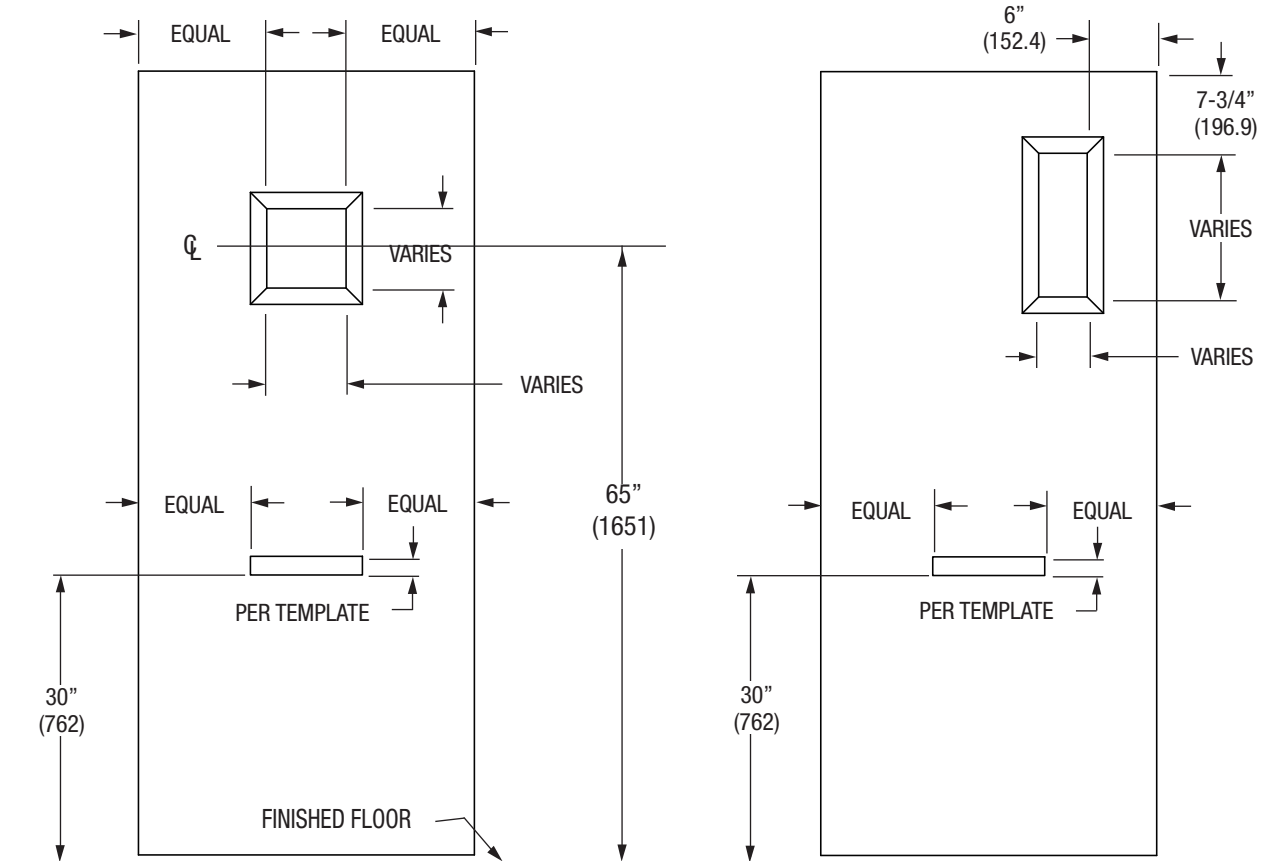
HGMS
HG = HALF GLASS STANDARDS
MS = MAIL SLOT

EXAMPLE: **HG3MS**
(3) WINDOW PANE-HALF GLASS
MAIL SLOT

May, 2010



Type 1 & 2 Window Moulding



FVMS

FV = FULL VISION STANDARDS
MS = MAIL SLOT

FNVMS

FNV = FULL NARROW VISION STANDARDS
MS = MAIL SLOT

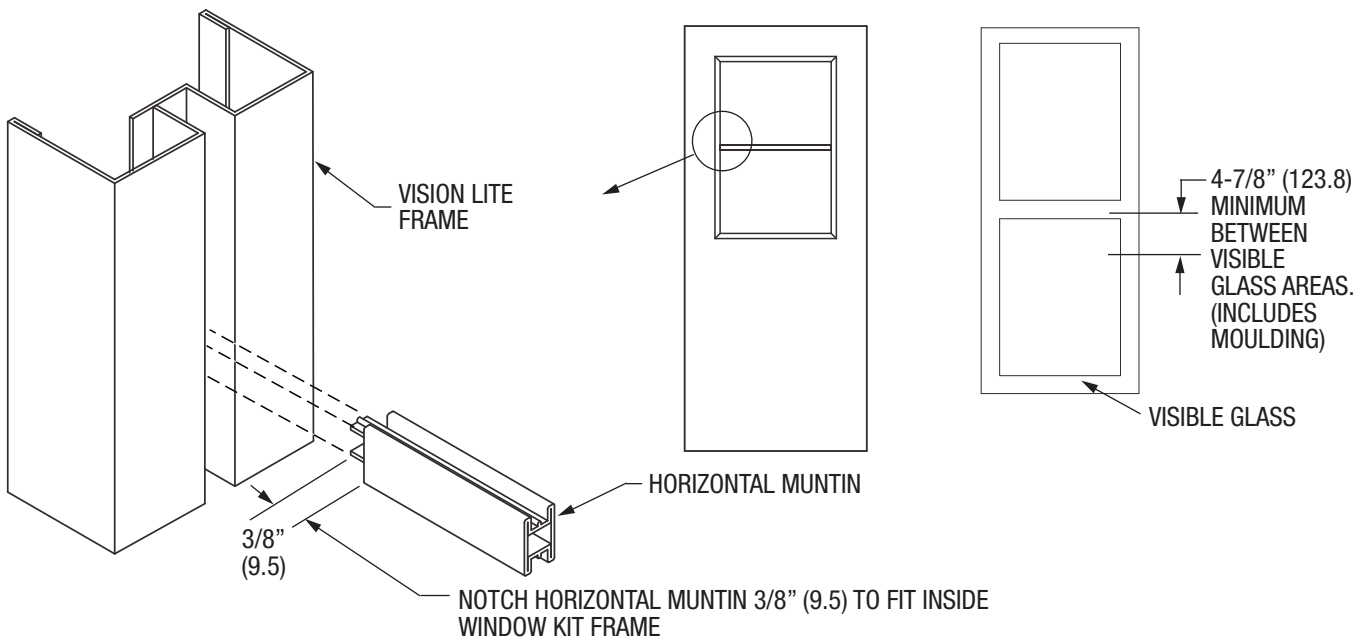
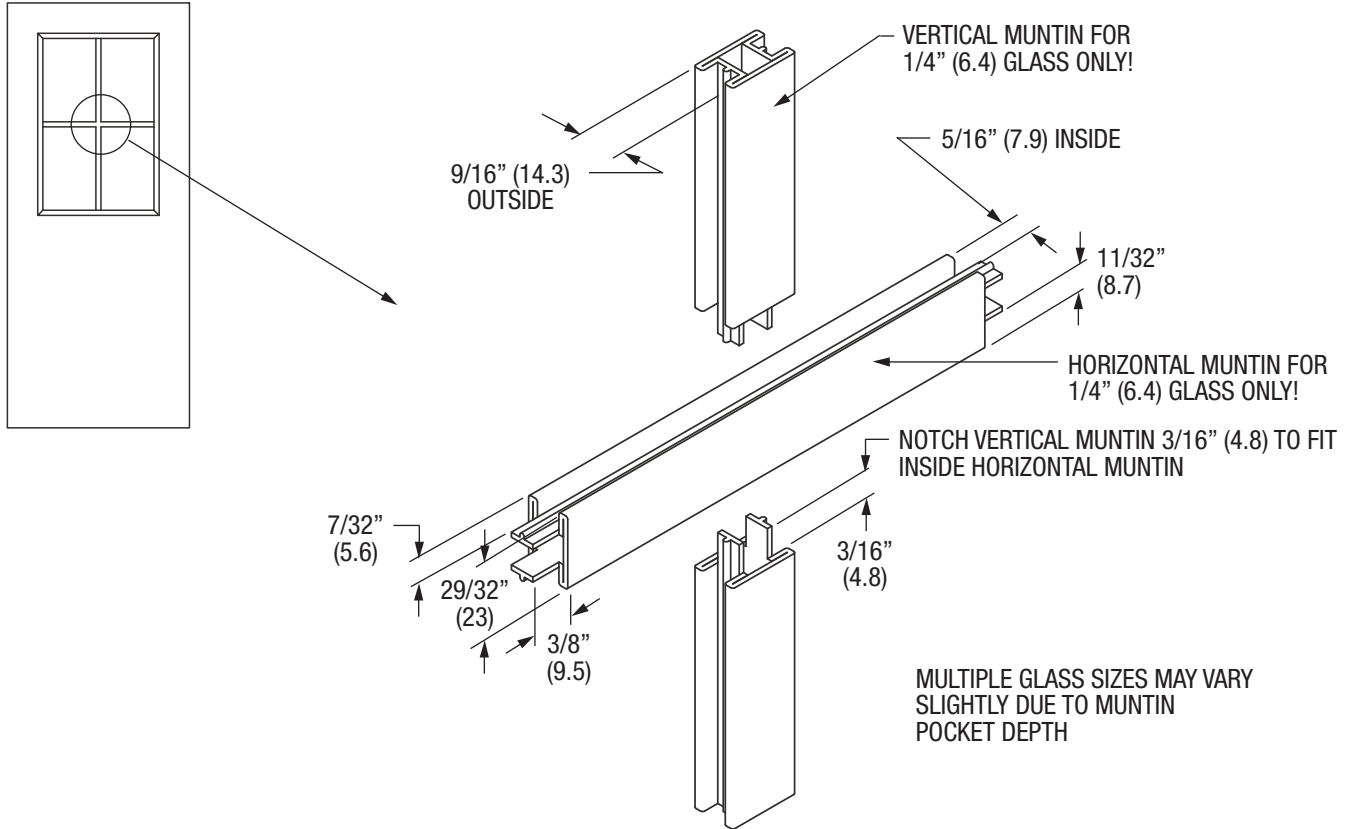
FVMS	10" (254) X 10" (254)
FV1MS	12" (304.8) X 12" (304.8)

EXAMPLE: **FNV1MS**
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.**

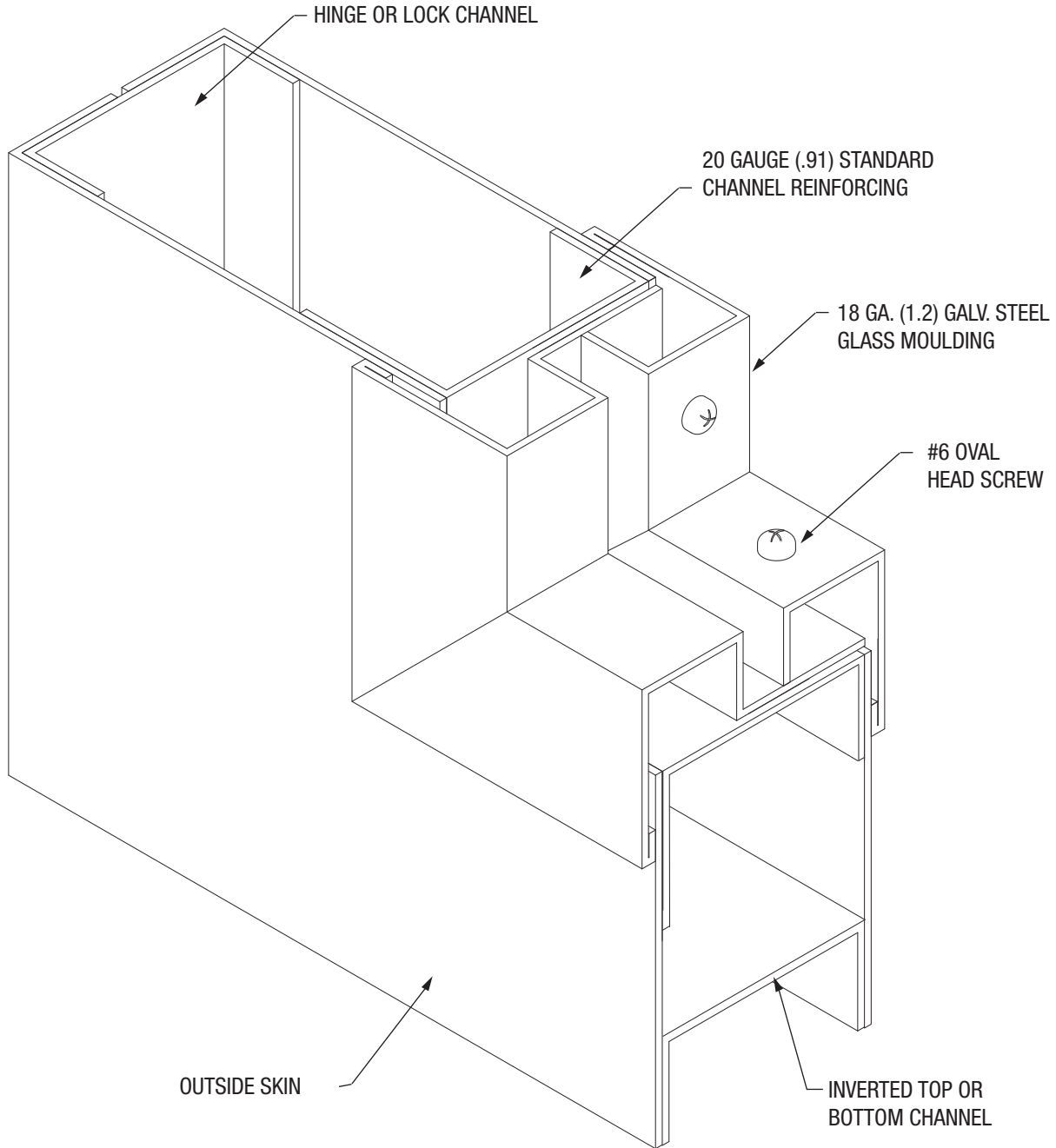
MUNTIN BAR PART NUMBER: CD002402



April, 2002

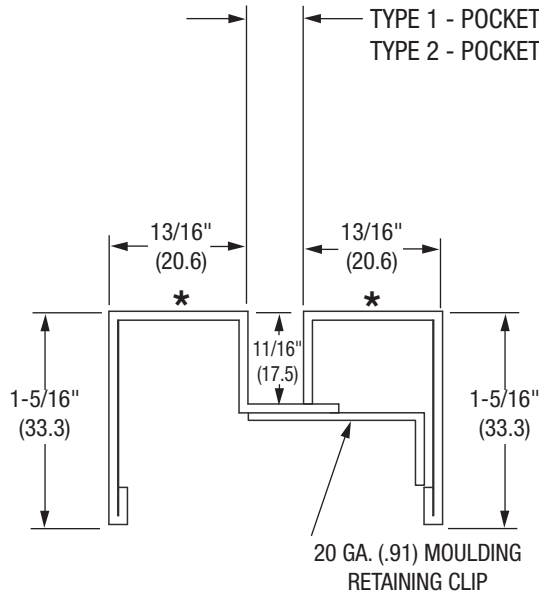


STANDARD WINDOW MOULDING TYPE 1



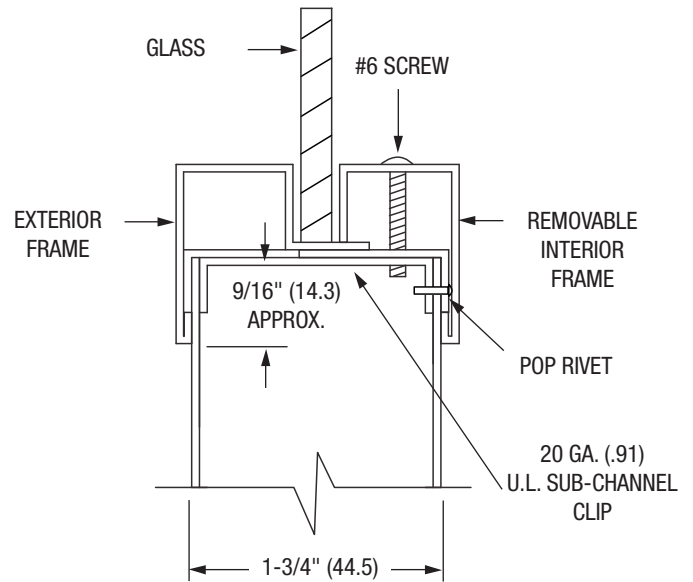
TYPES 1 & 2

SEE PAGE 155 FOR CURRIES STANDARD WINDOW KIT INFORMATION.



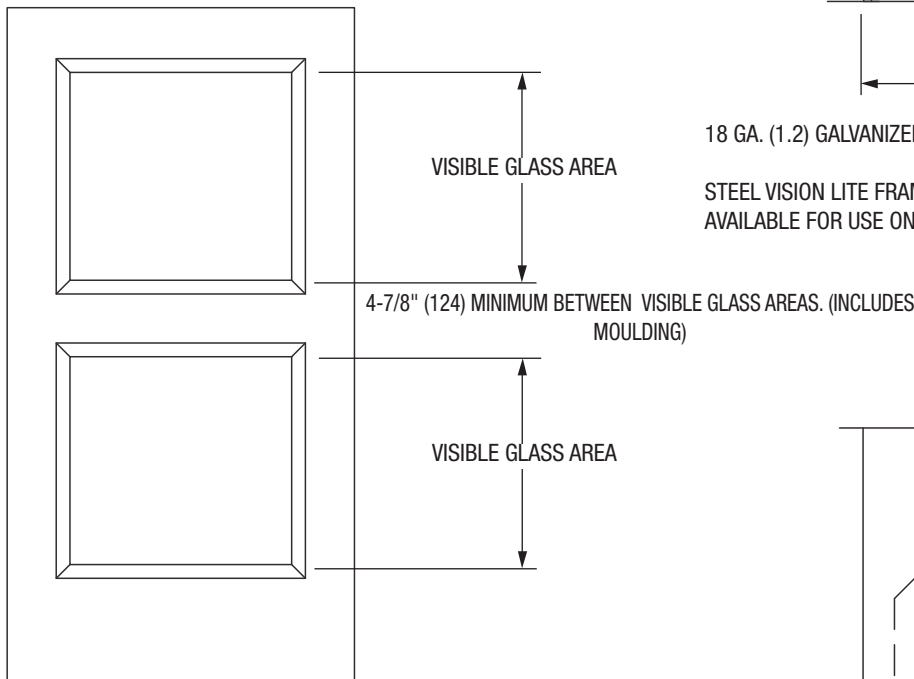
*VARIES WITH POCKET

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

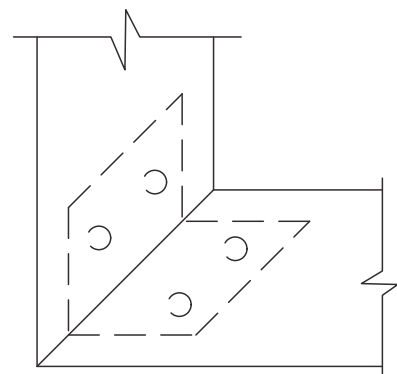


18 GA. (1.2) GALVANIZED STEEL VISION LITE FRAME

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.



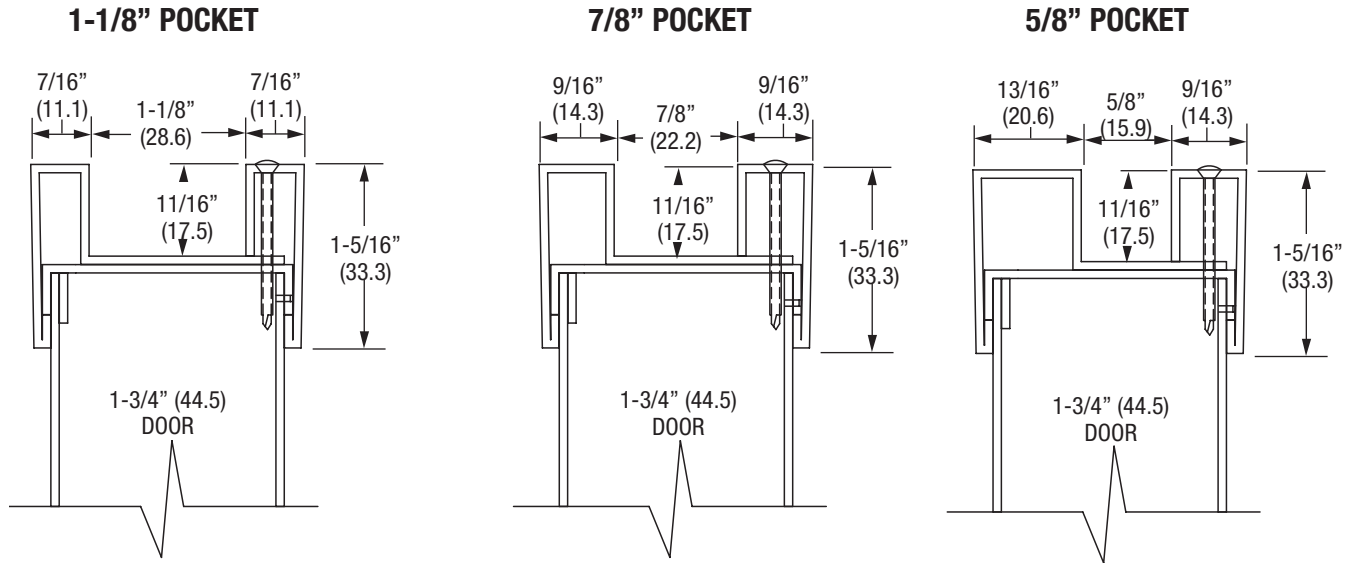
CORNER DETAIL WITH CORNER CLIP WELDED IN

June, 2017

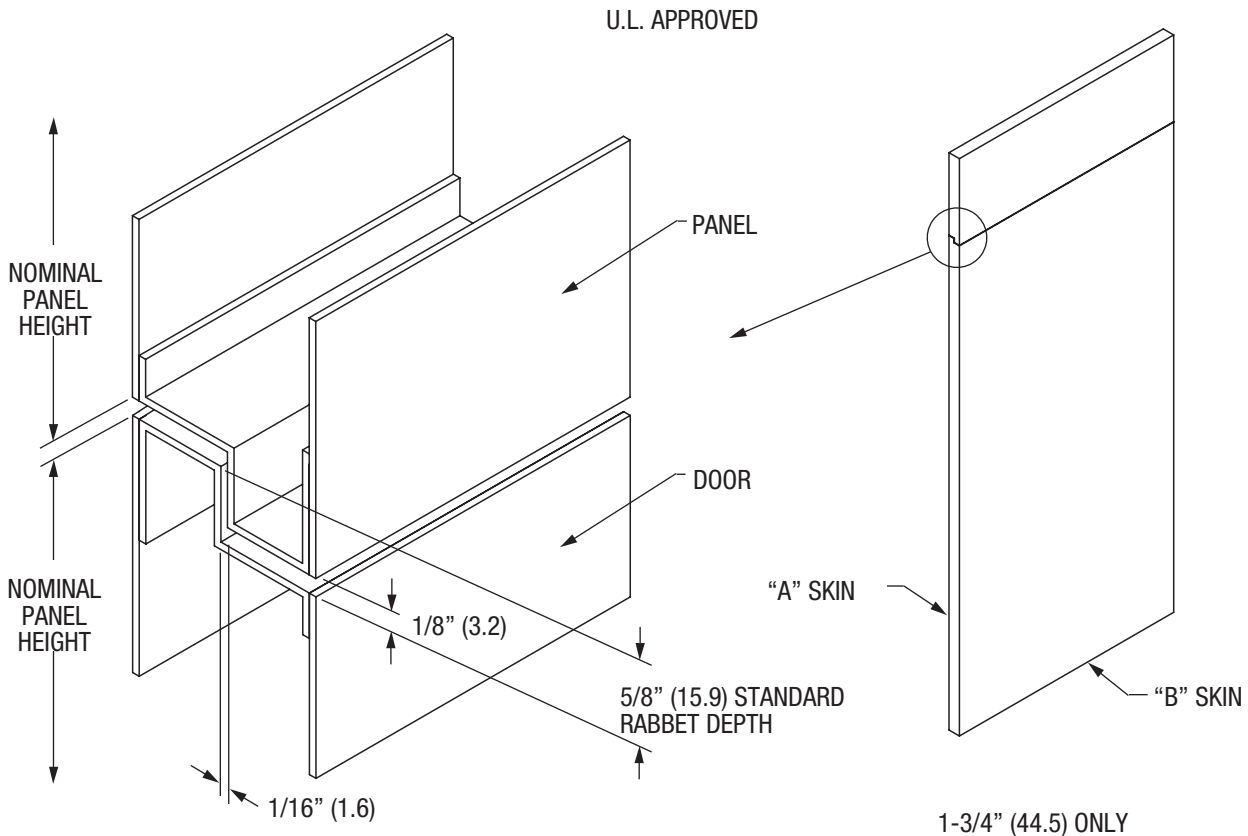


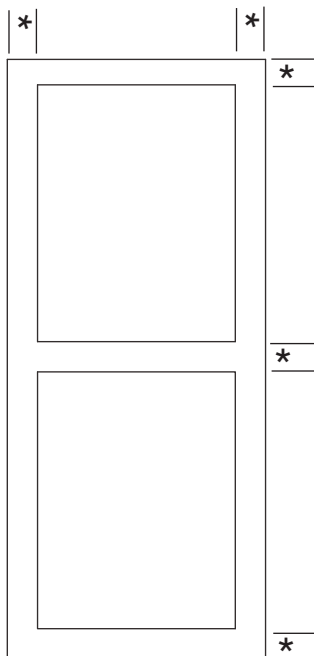
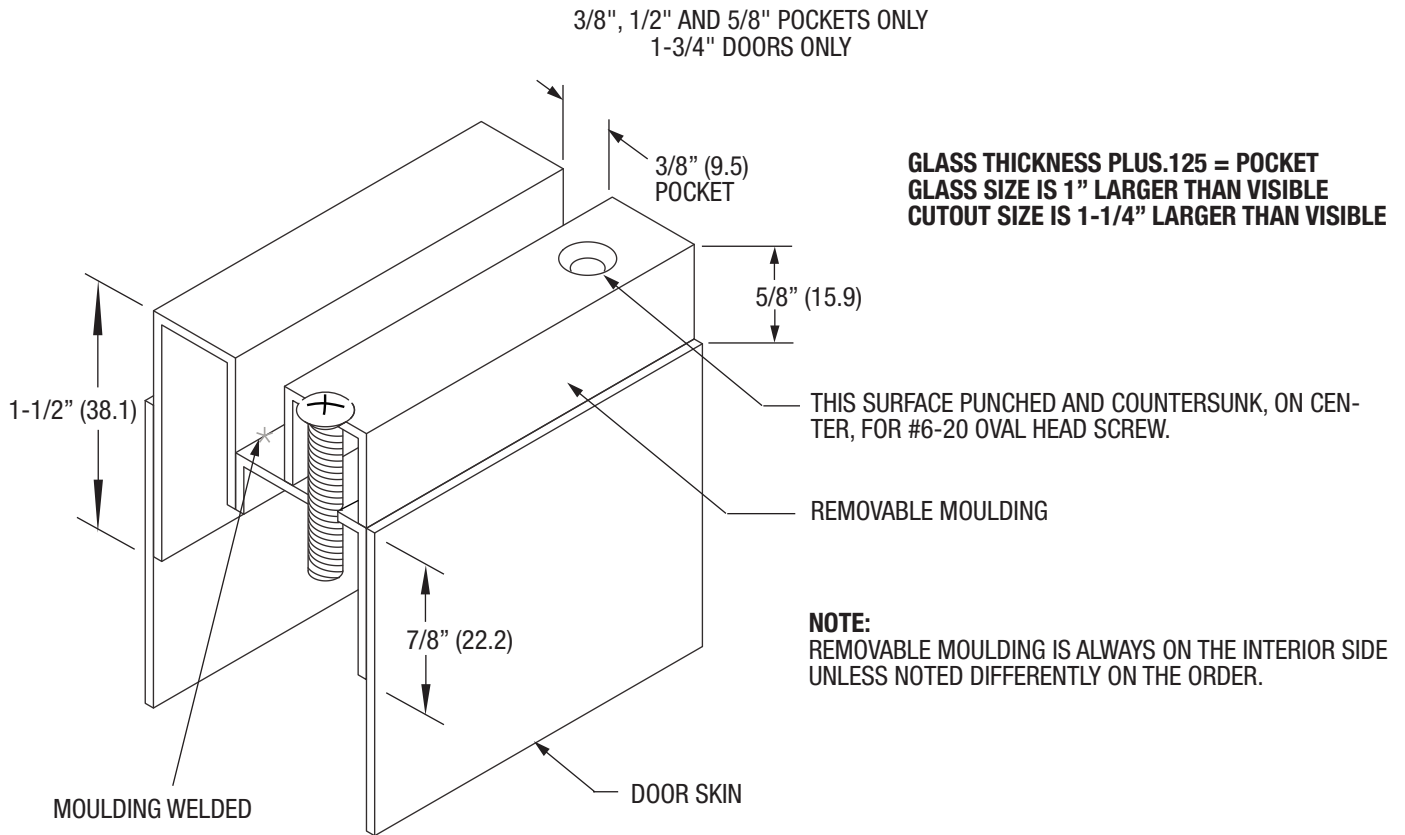
TYPE 2 (old style kits)

SEE PAGE 155 FOR CURRIES STANDARD WINDOW KIT INFORMATION.



Rabbeted Door and Panel





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

August, 2013

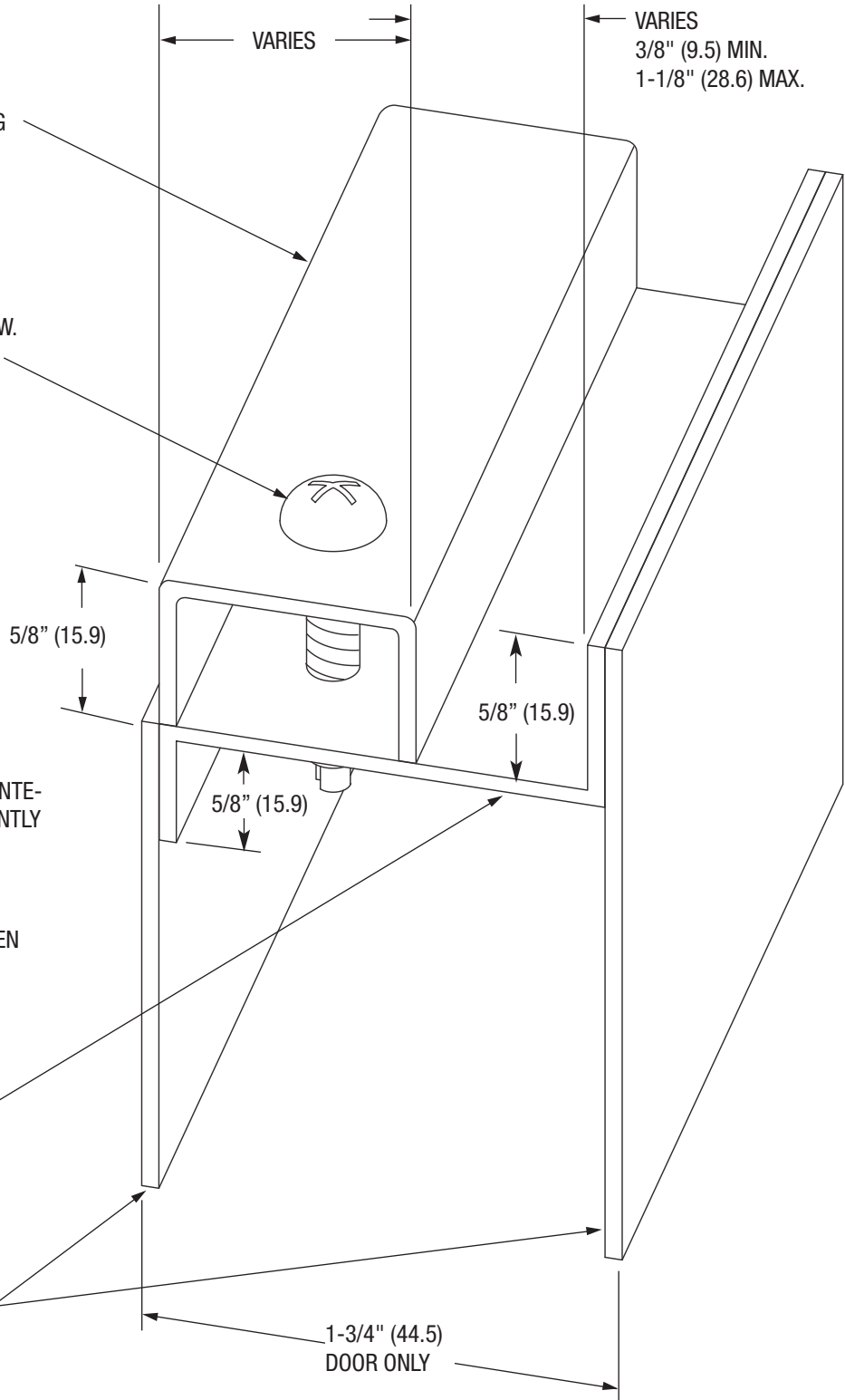
L

TYPE 4

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

18 GA. (1.2) REMOVABLE MOULDING

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



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

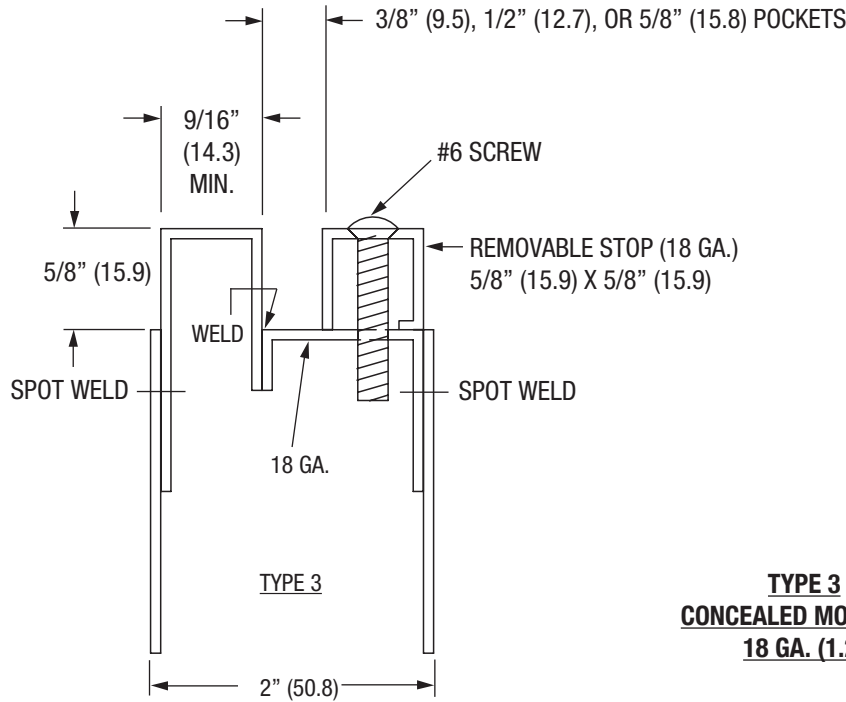
16 GA. (1.4)
"Z" CHANNEL REINFORCEMENT

DOOR SKIN

1-3/4" (44.5)
DOOR ONLY

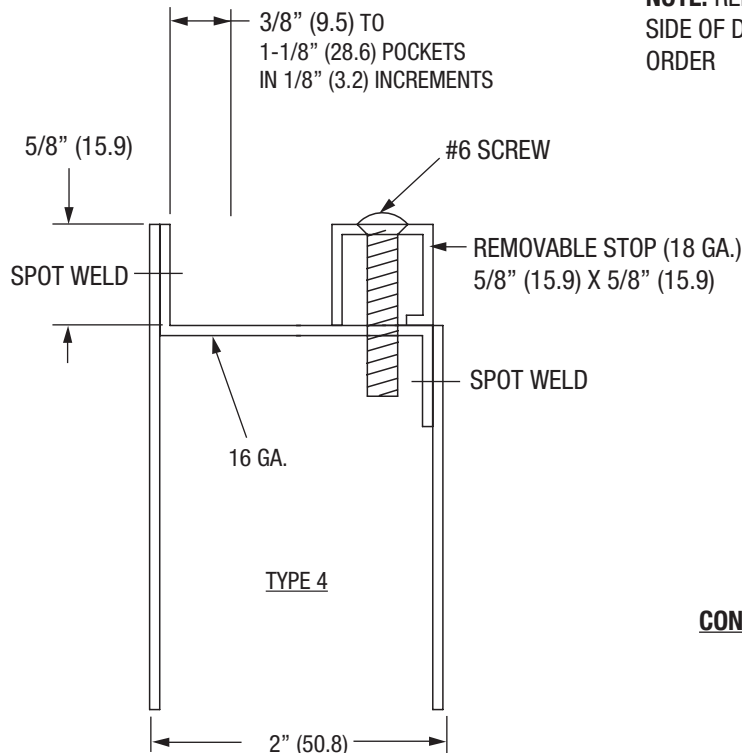


2" DOOR



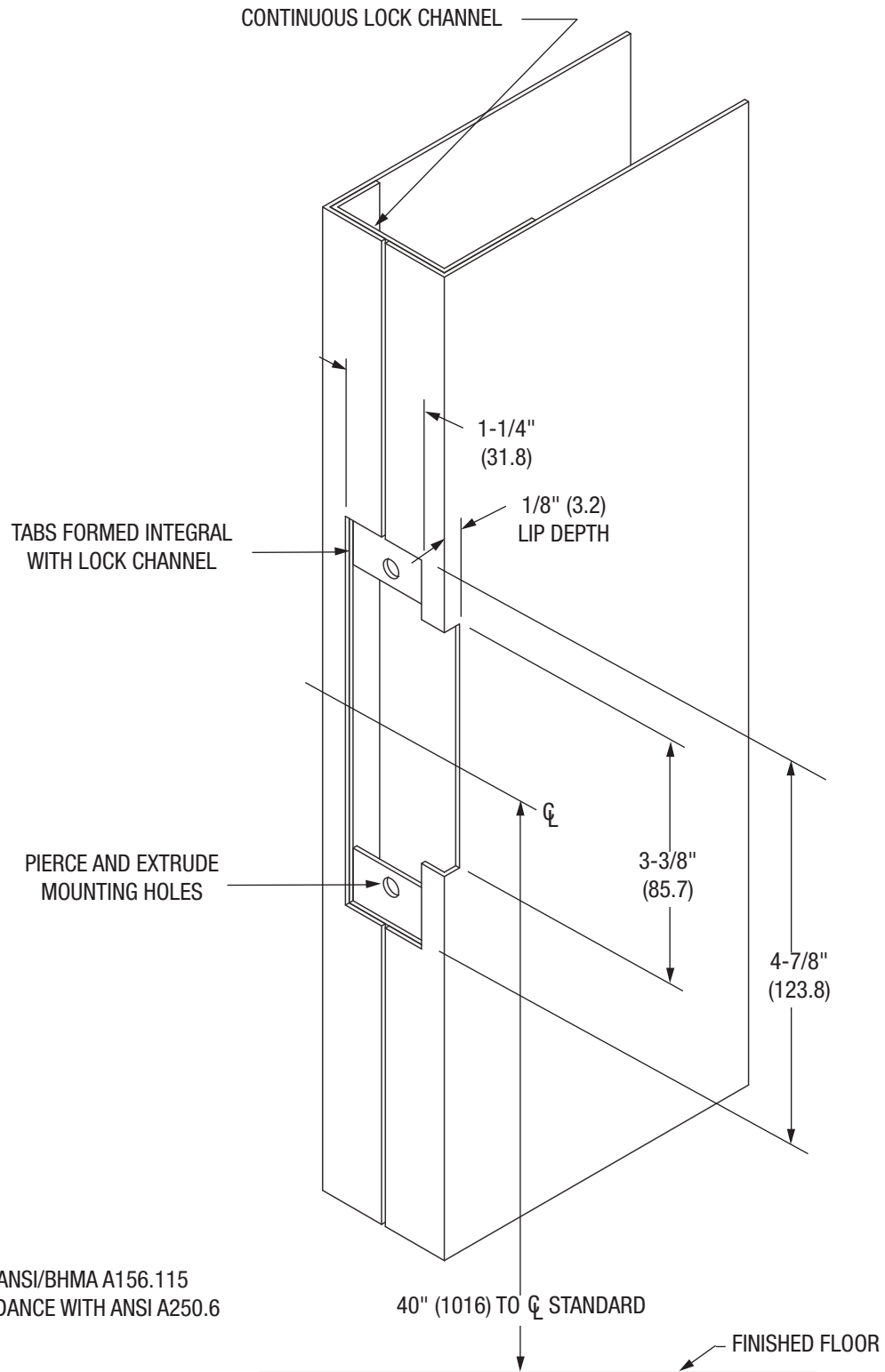
**TYPE 3
CONCEALED MOULDING
18 GA. (1.2)**

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

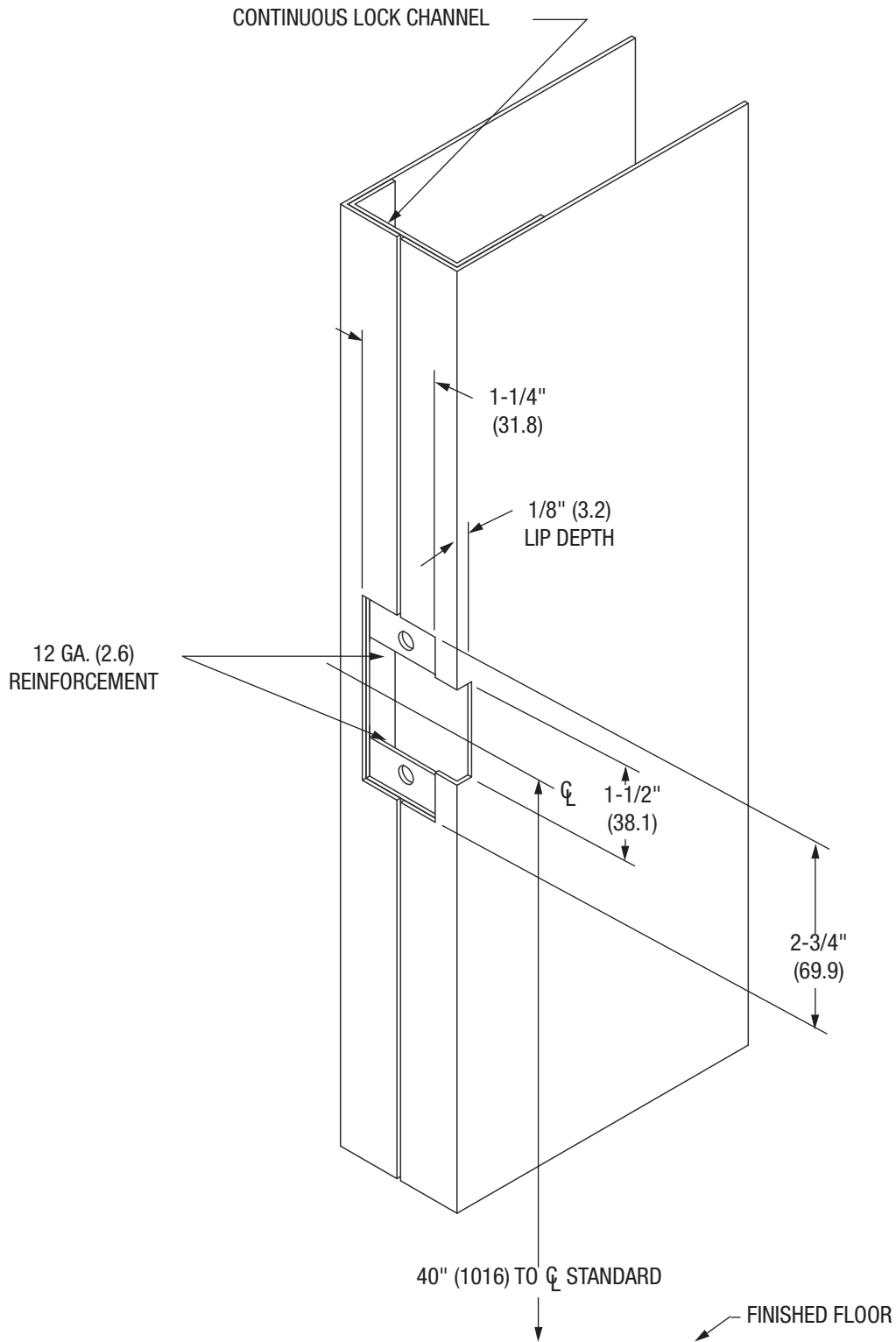


**TYPE 4
CONCEALED MOULDING
WIDE POCKET
18 GA. (1.2)**

April, 2011

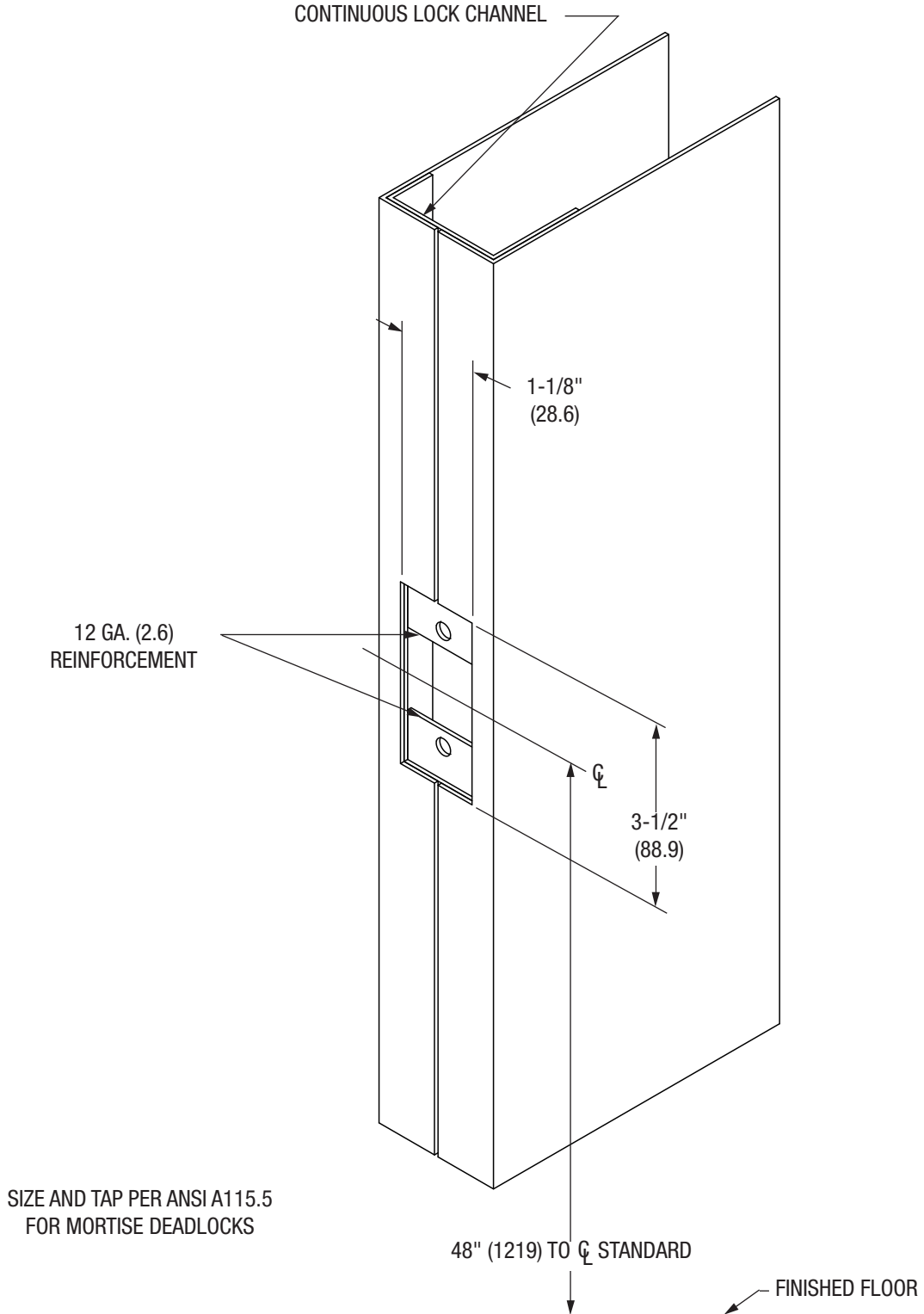
**NOTES**

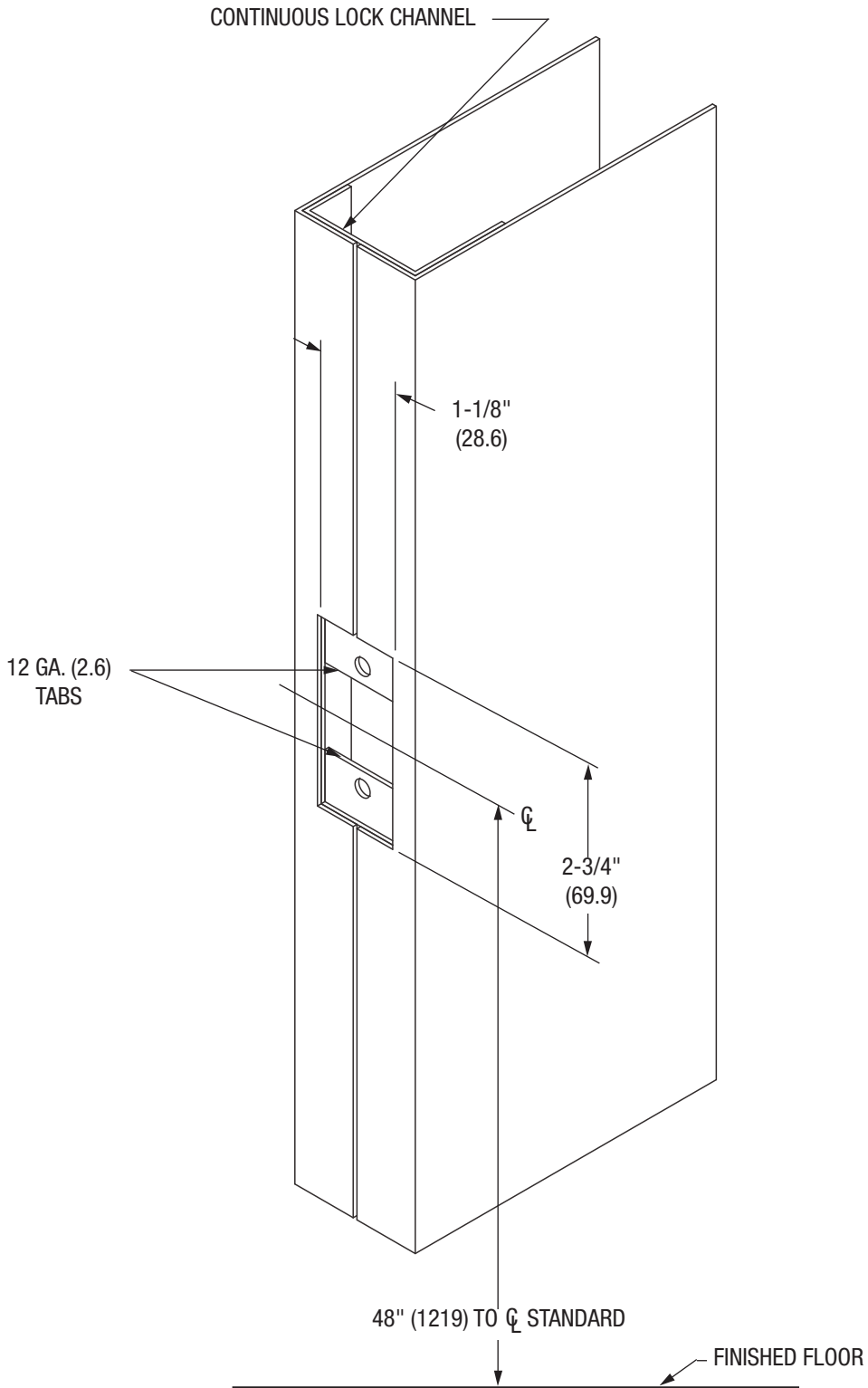
1. MORTISE AND TAP PER ANSI/BHMA A156.115
2. REINFORCED IN ACCORDANCE WITH ANSI A250.6



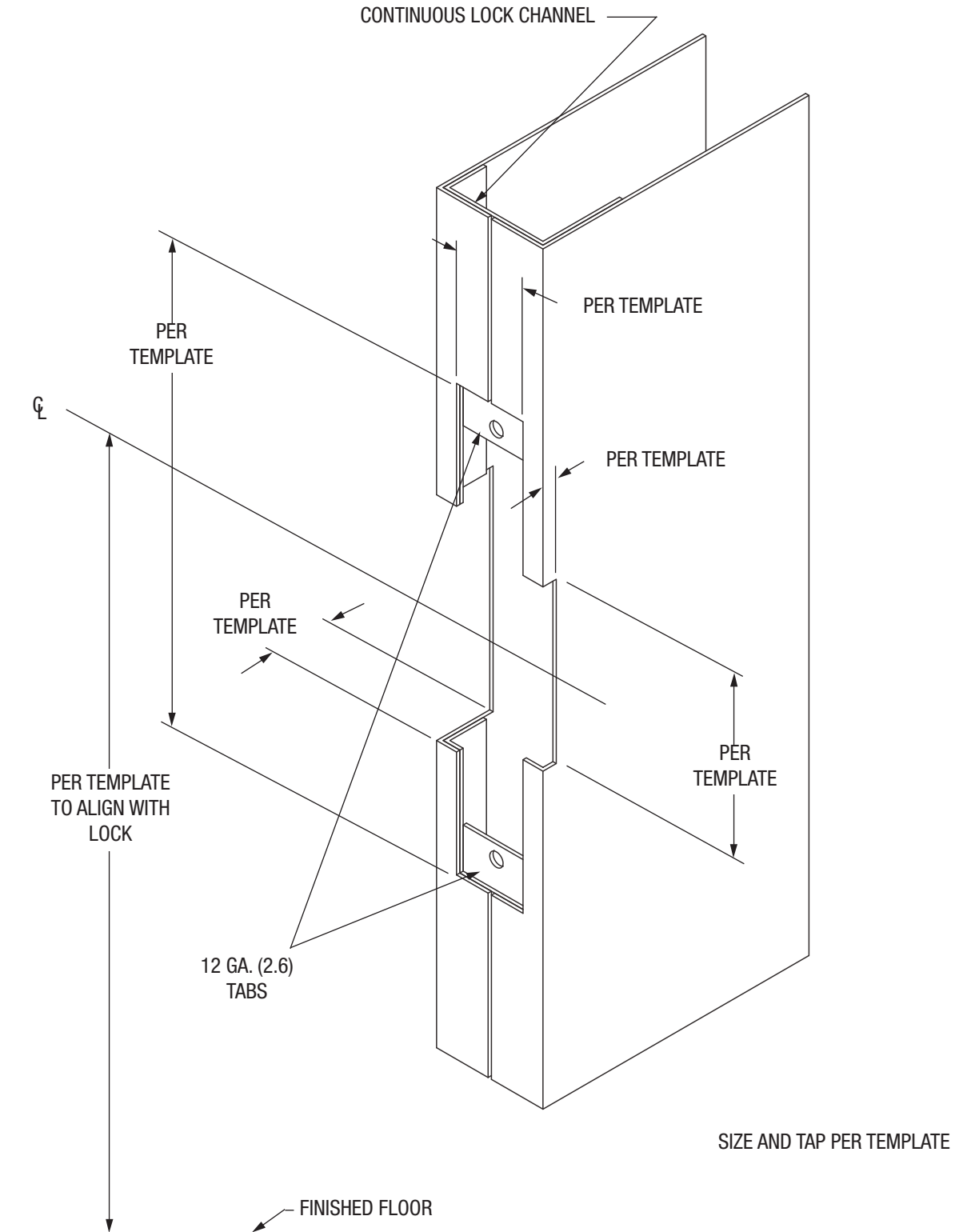
82
E3 ANSI Deadlock Strike Preparation in Inactive Leaf
Door Technical Data

April, 2002





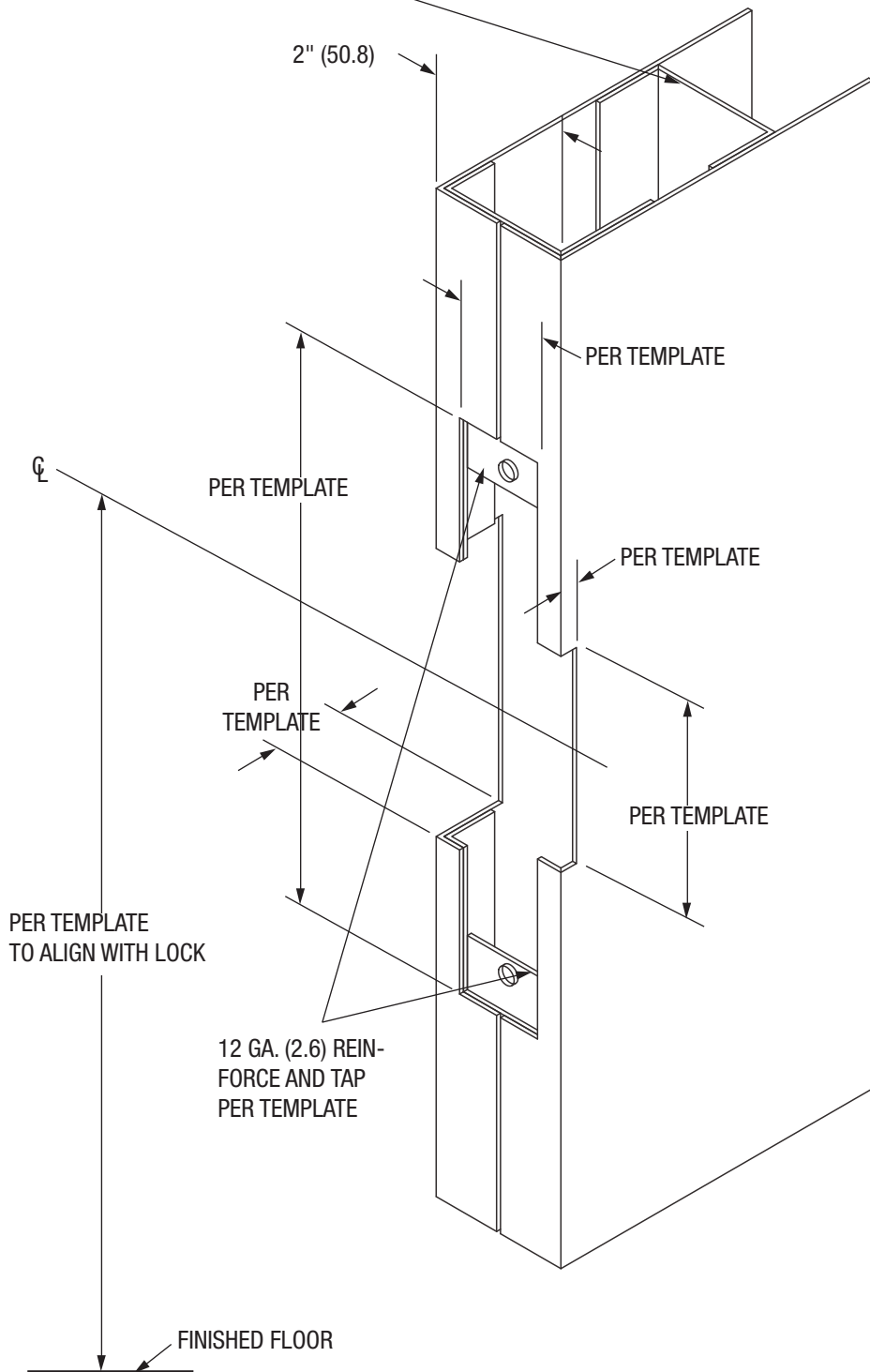
April, 2002



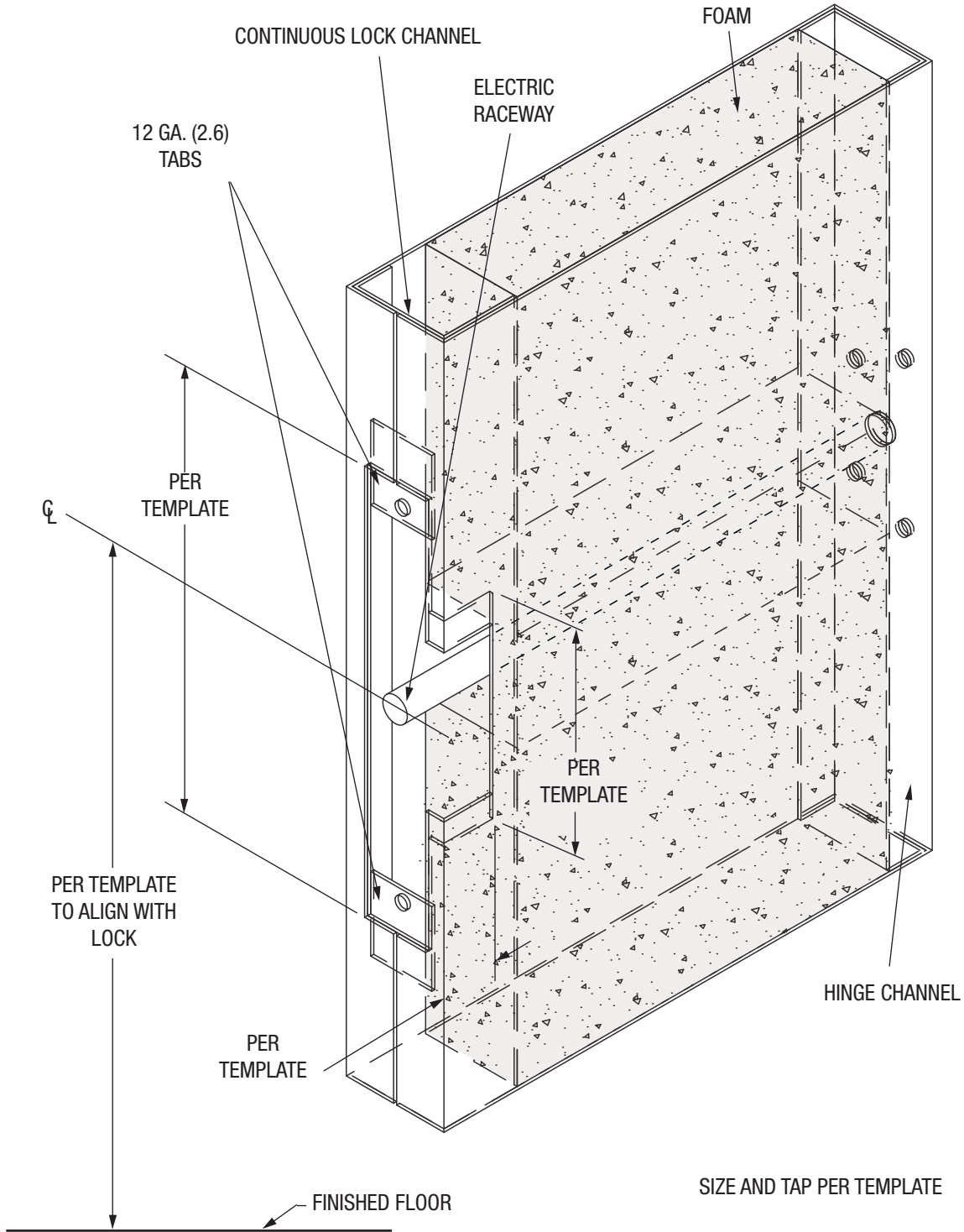


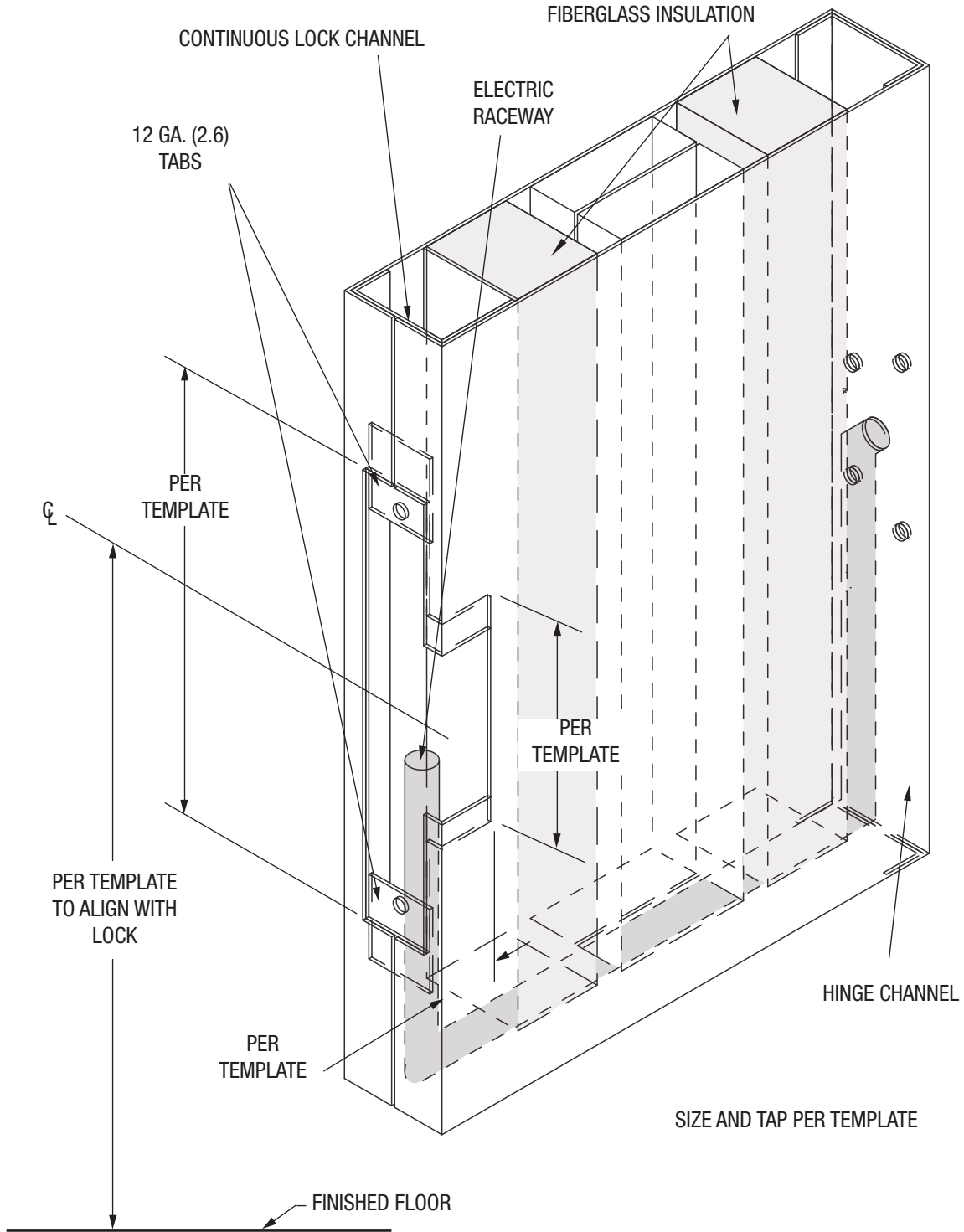
2" DOOR

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



April, 2002



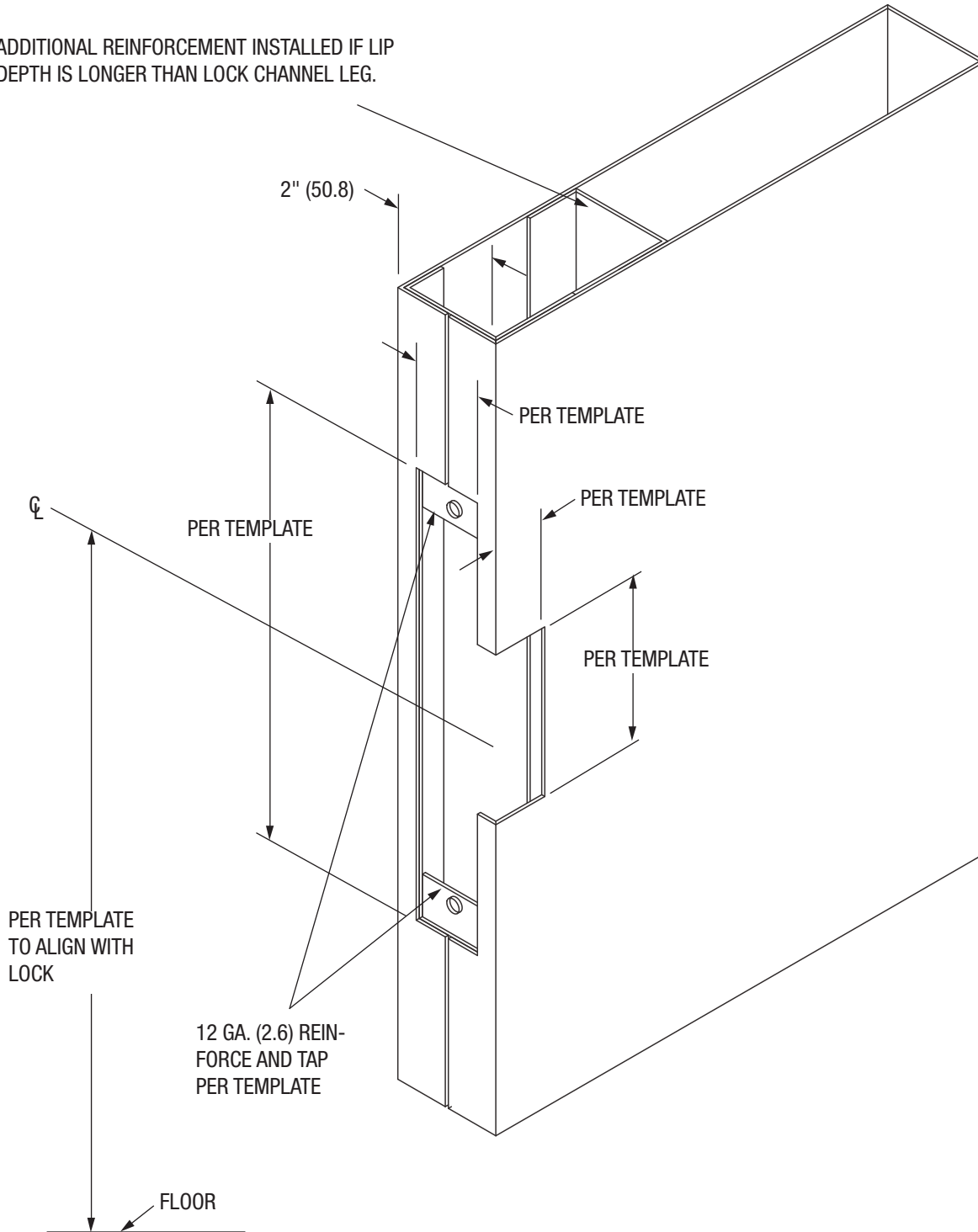


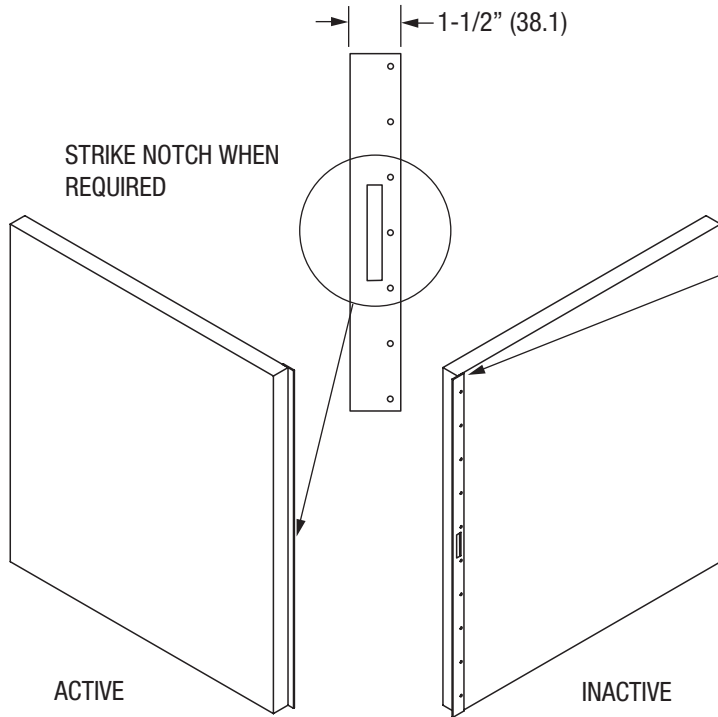
April, 2002



2" DOOR

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



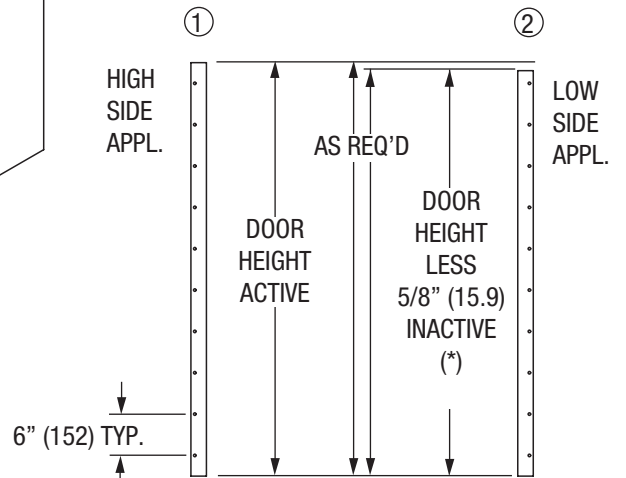
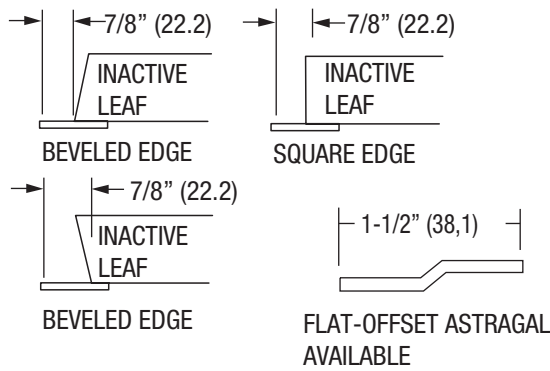


GUAGE: 12
STEEL TYPE: CR OR GALVANNEAL

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!

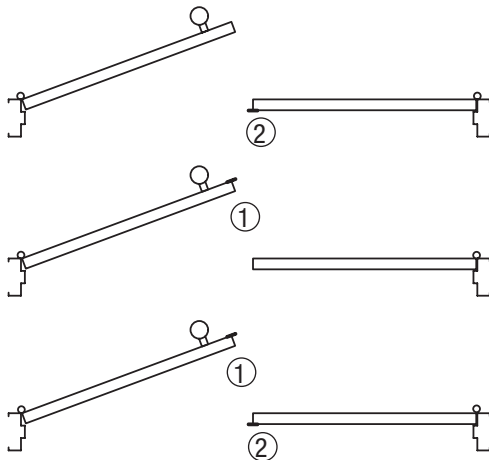
ACTIVE

INACTIVE



(*) SPECIAL STOP HEIGHTS CAN VARY LENGTHS

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.

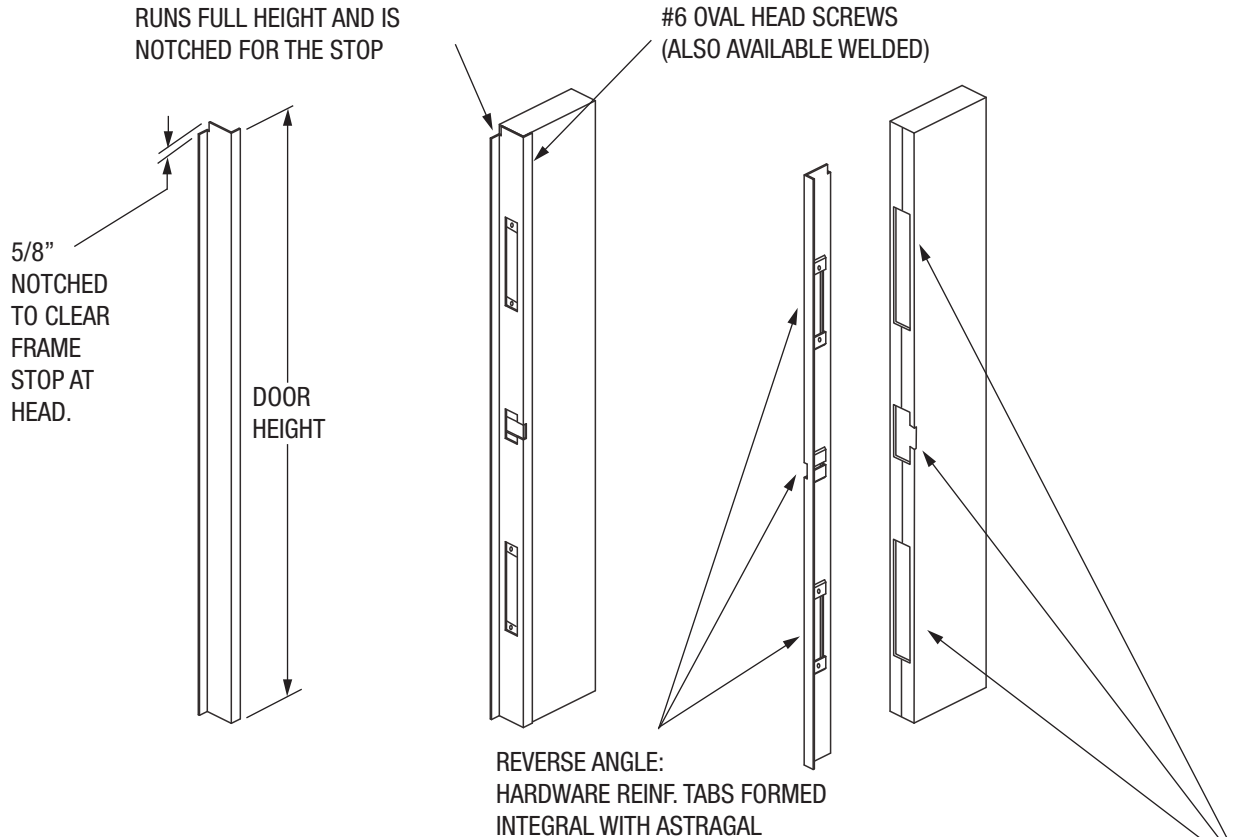
"Z" Astragal Locations and Handing

Door Technical Data

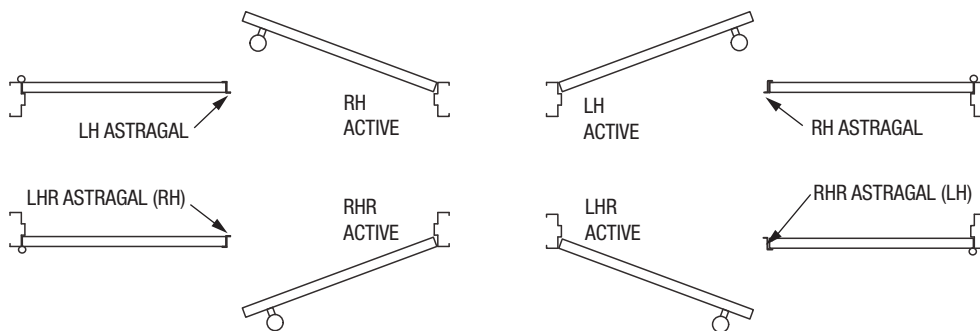
October, 2002



GAUGE: 14
STEEL TYPE: GALVANEAL



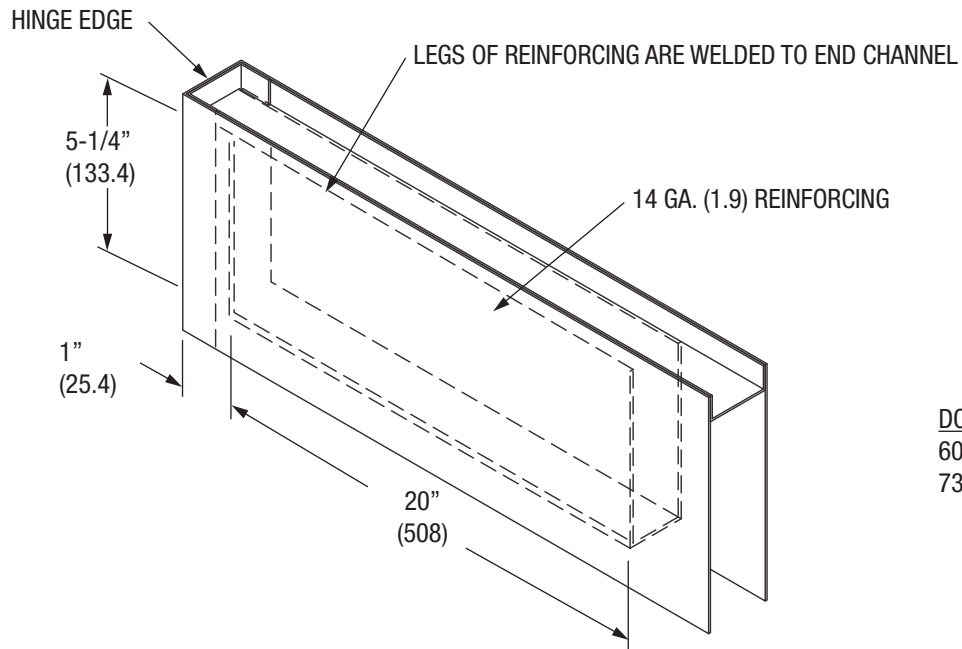
DOOR EDGE PREPARATION TO RECEIVE ASTRAGAL WITH E1/H1 PREP.



BEVELED ASTRAGAL

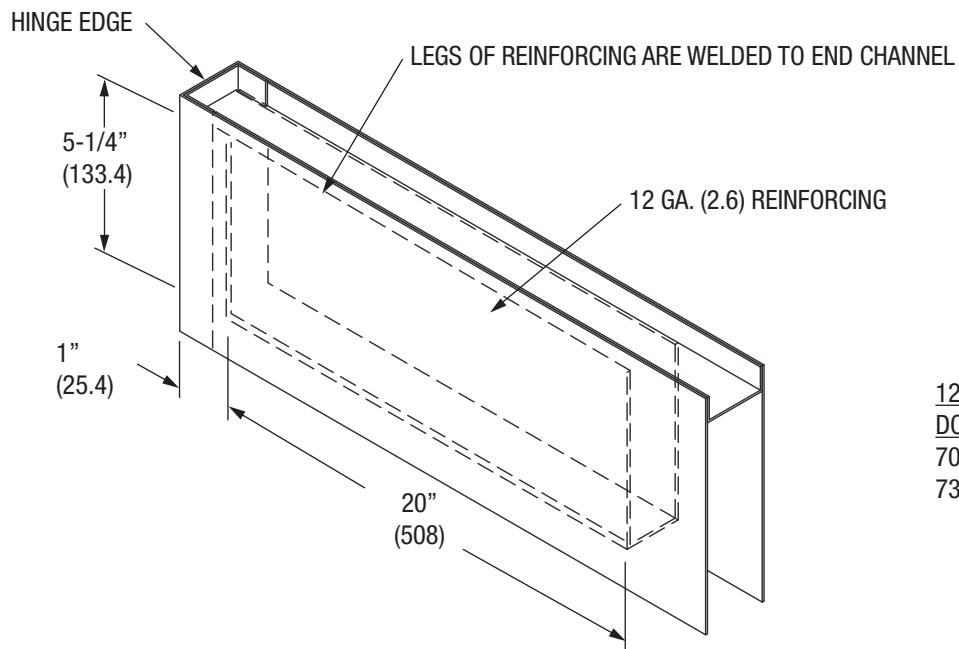


SQUARE ASTRAGAL



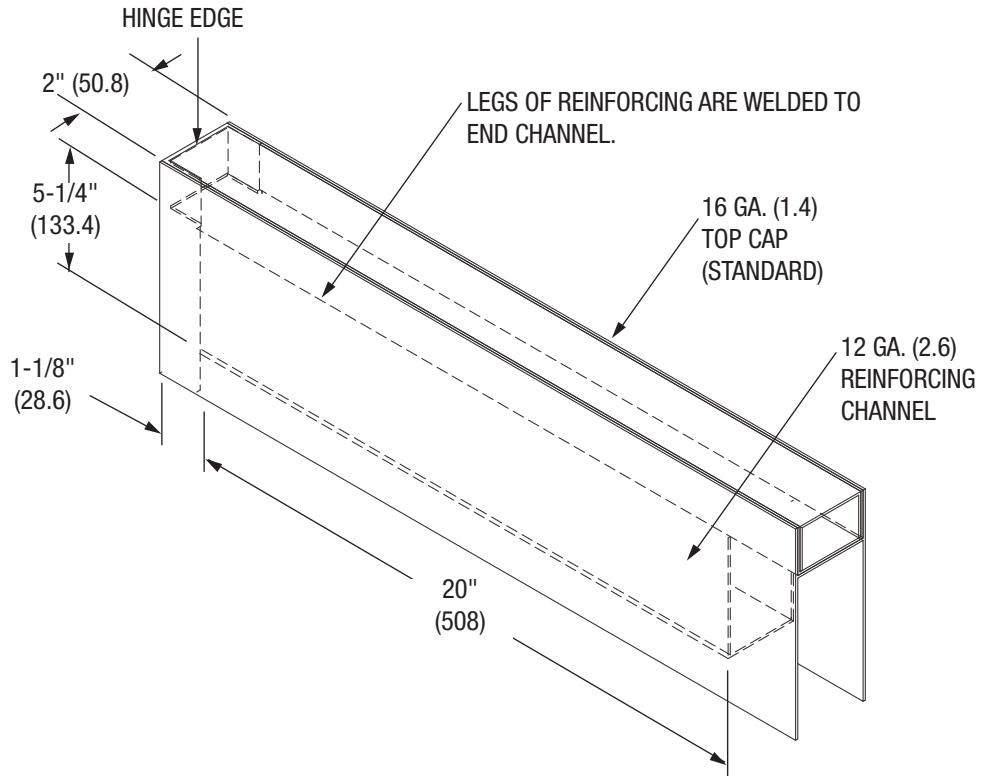
DOOR SERIES
607, 707, 727
737, 747

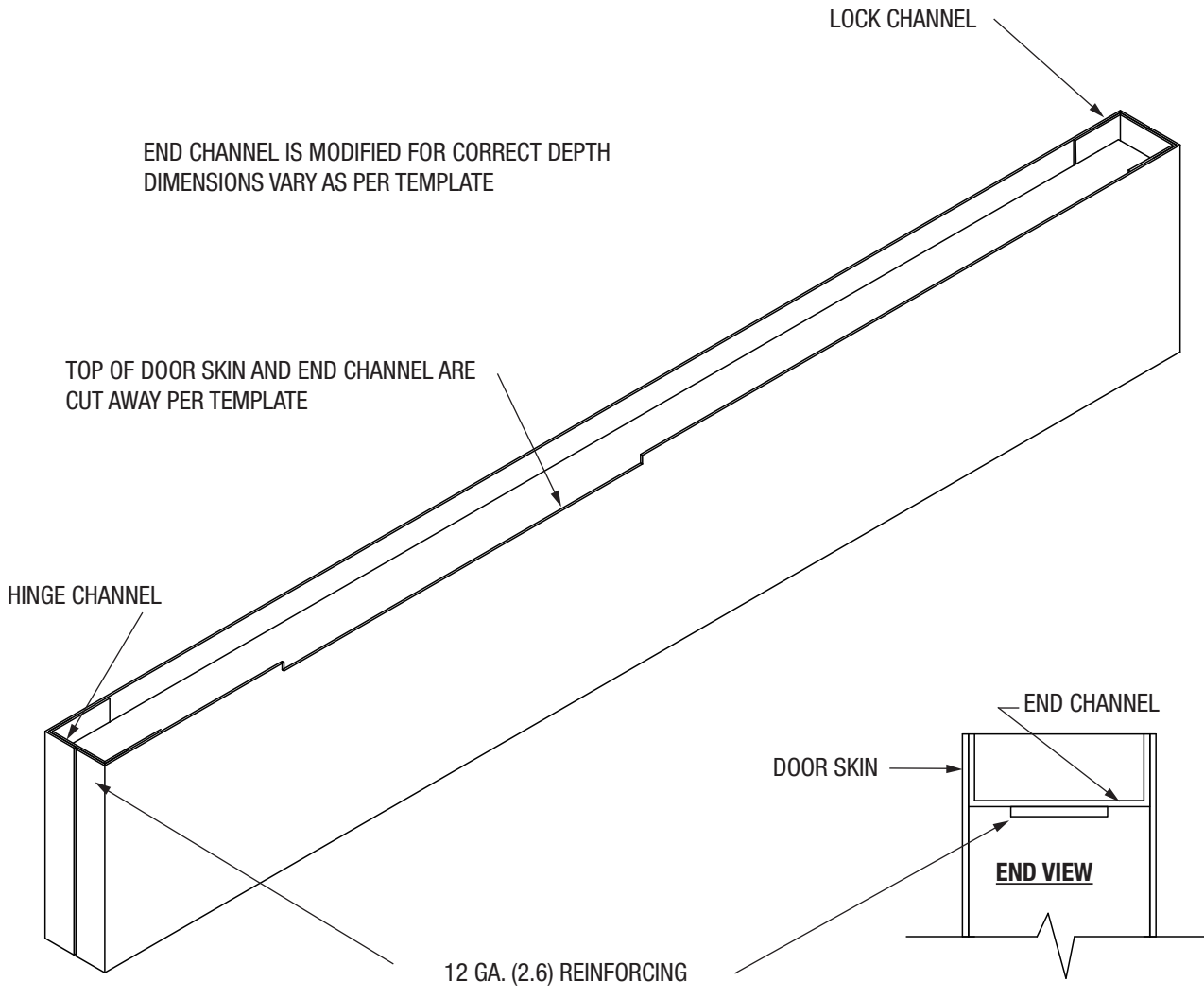
C2 Optional Closer Reinforcement



12 GAUGE OPTION
DOOR SERIES
707, 727
737, 747

October, 2002



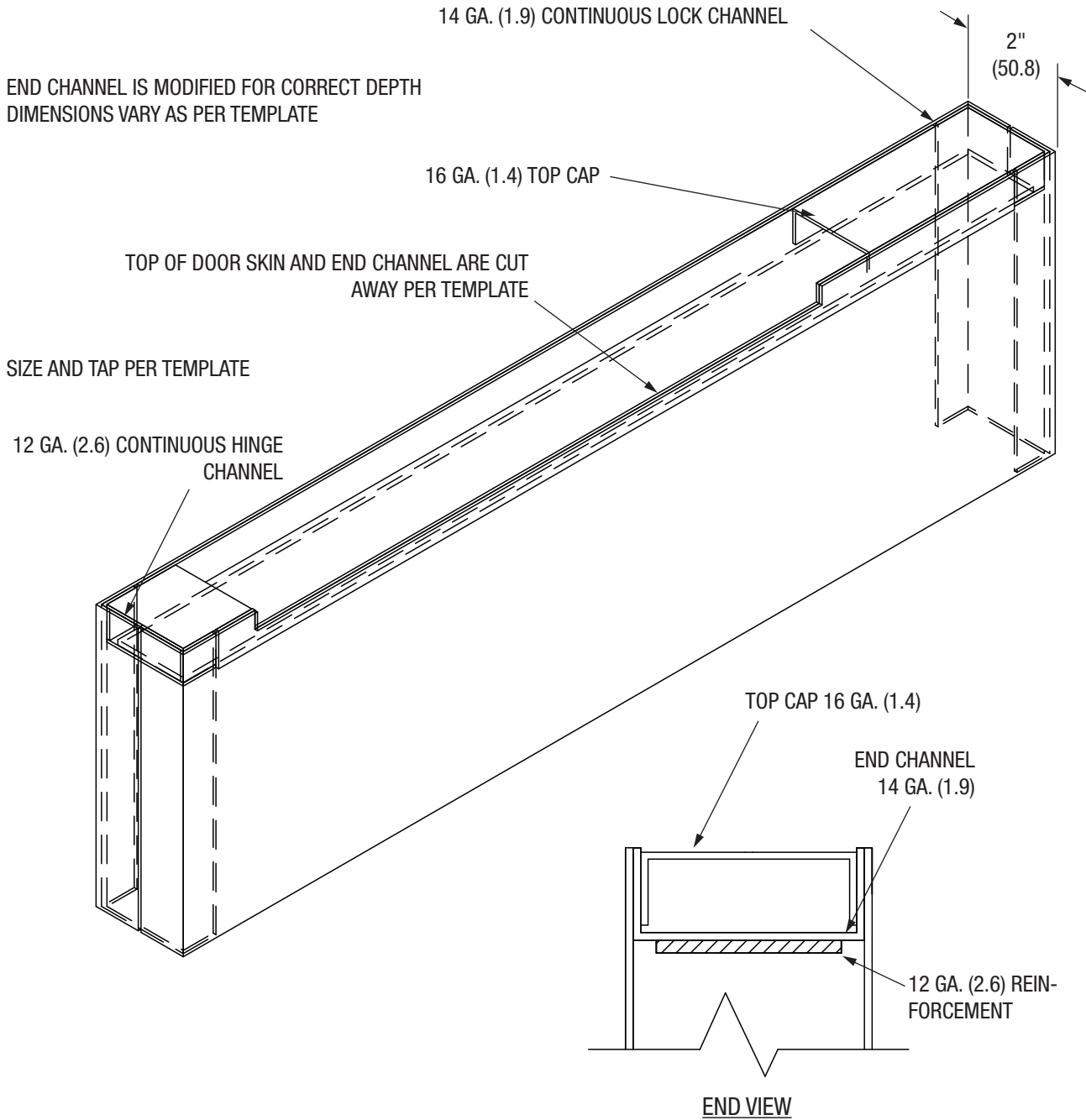


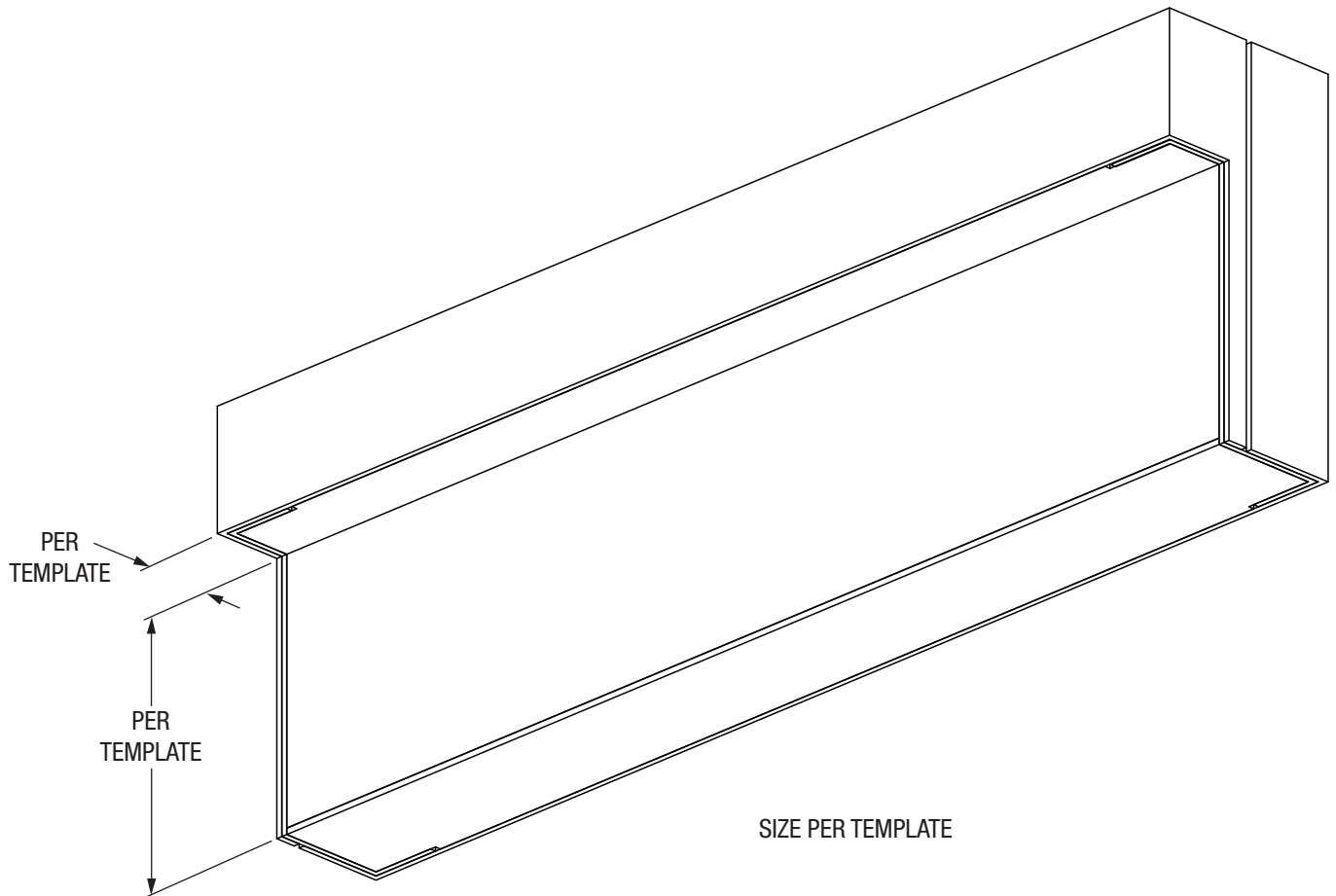
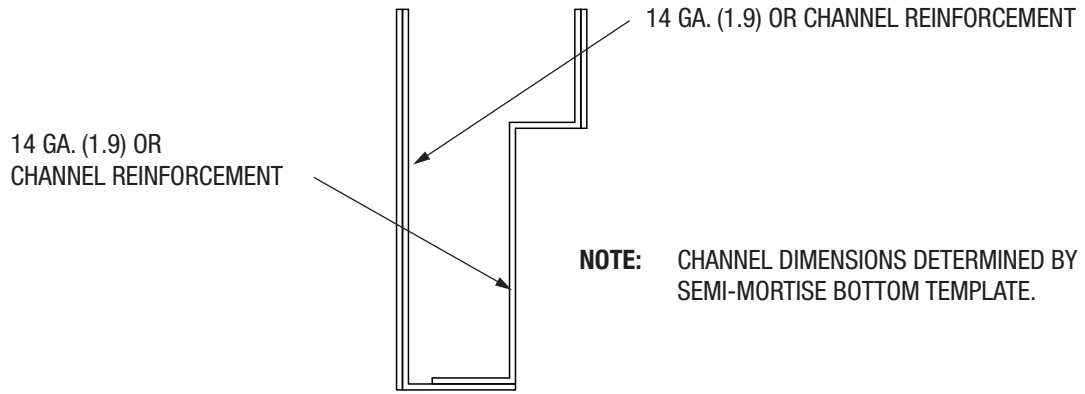
MOUNTING HOLES SHALL BE DRILLED AND TAPPED IN THE FIELD FOR DESIRED HOLD OPEN ANGLE.

April, 2002



2" DOOR

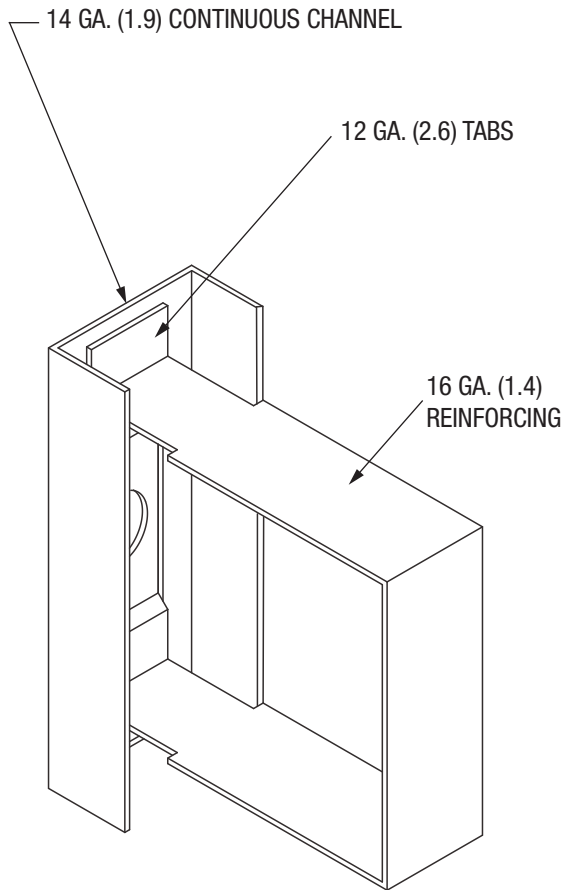




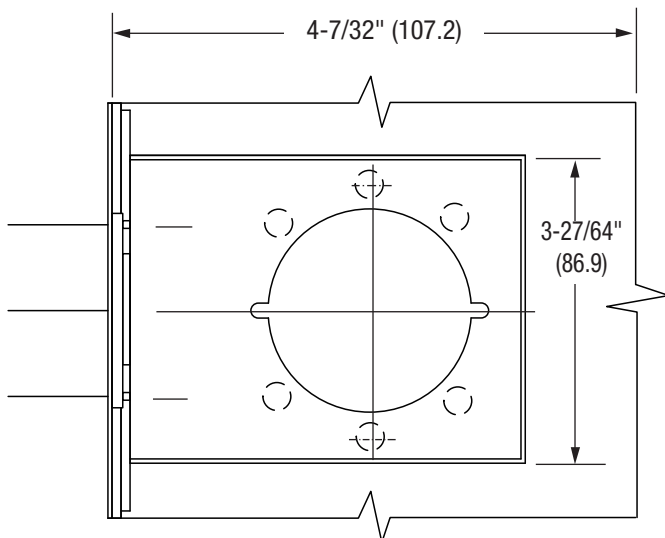
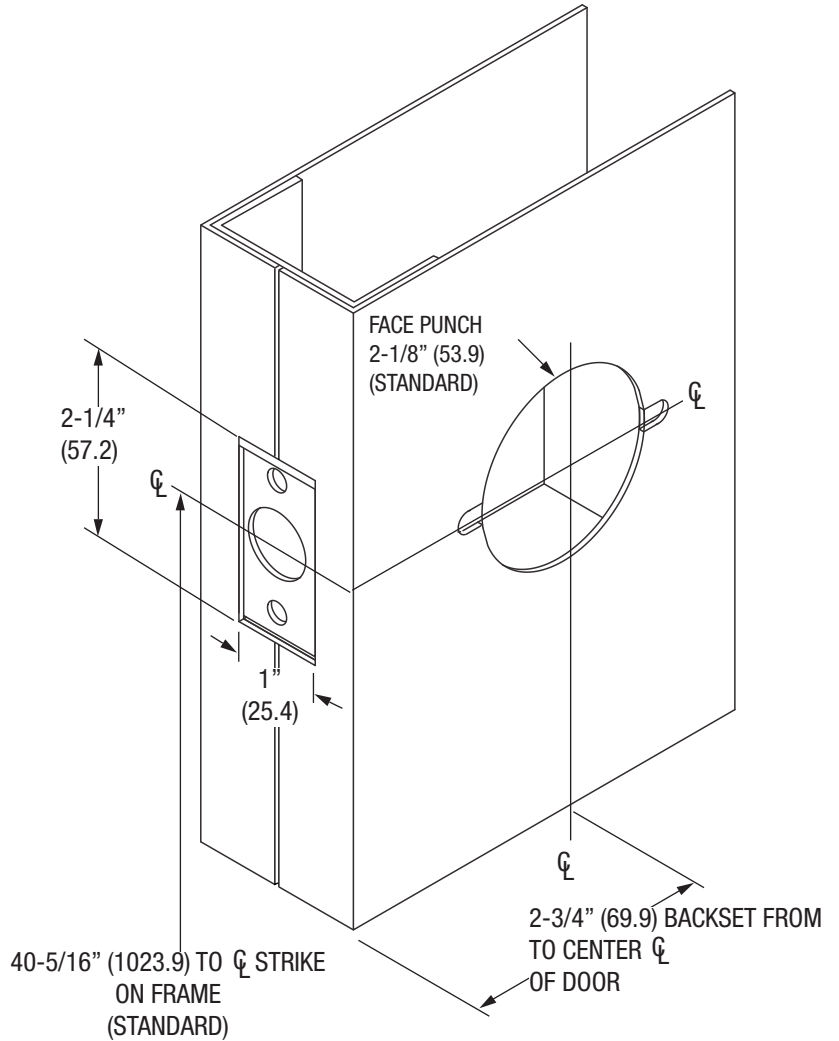
April, 2002

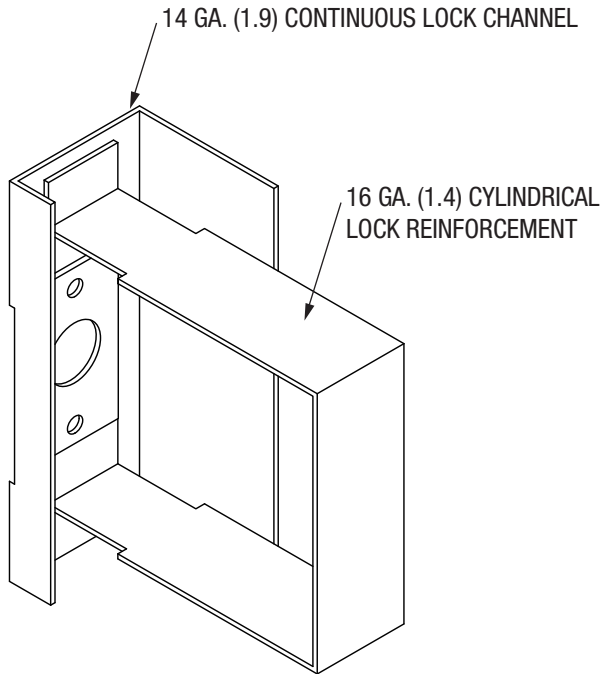


NOTE: NO LATCH BOLT GUIDE REQUIRED FOR 1-3/8" DOOR

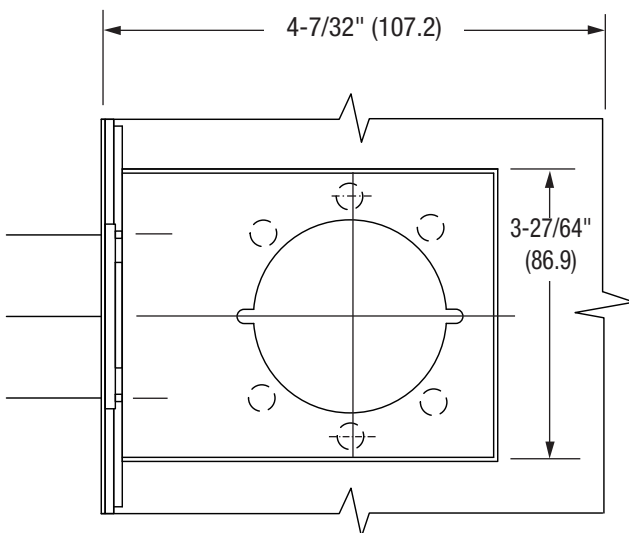


SIZE AND TAP PER ANSI A115.2

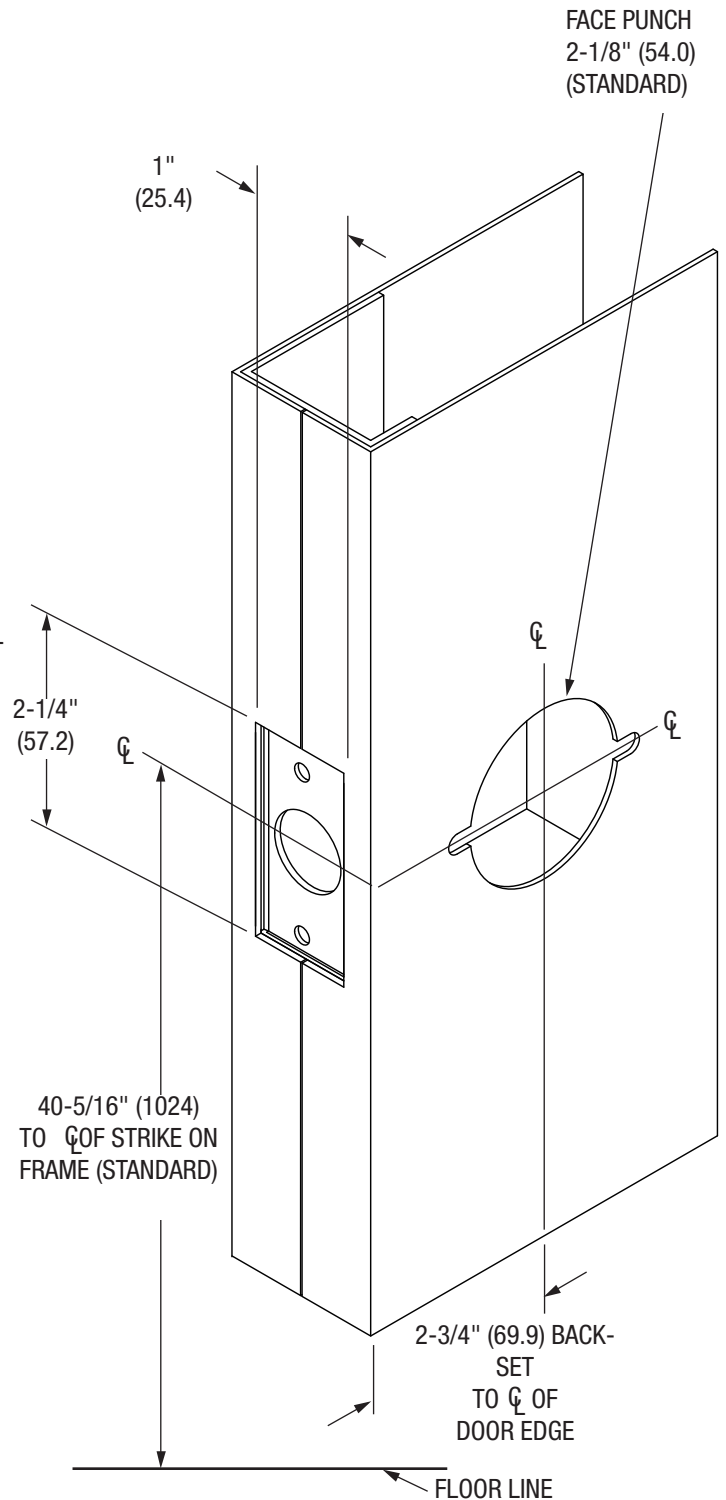




NOTE: LEVER HANDLE LOCKS REQUIRING INDEXING HOLES MUST BE SPECIFIED WHEN ORDERING.



SIZE AND TAP PER ANSI 115.2

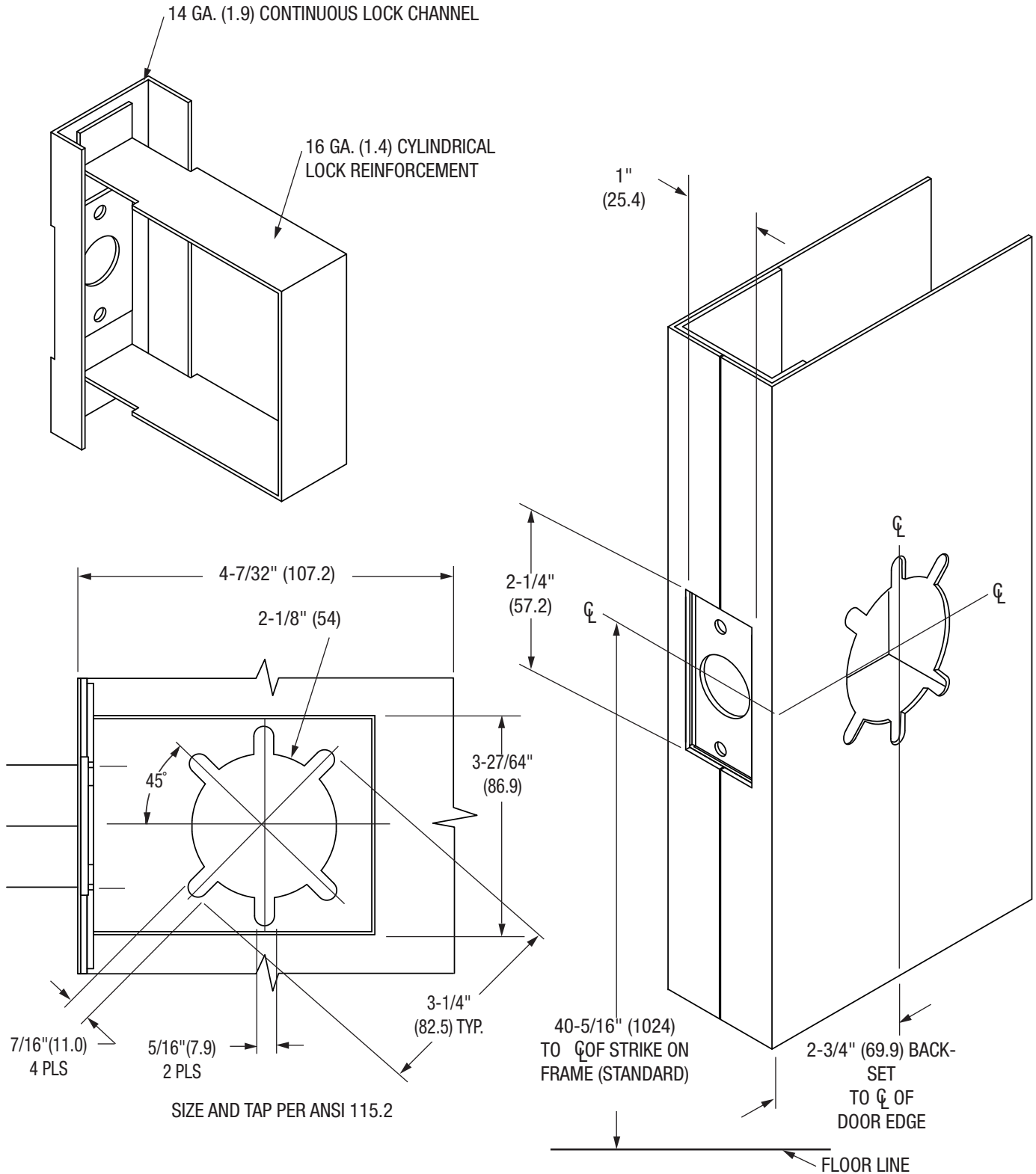


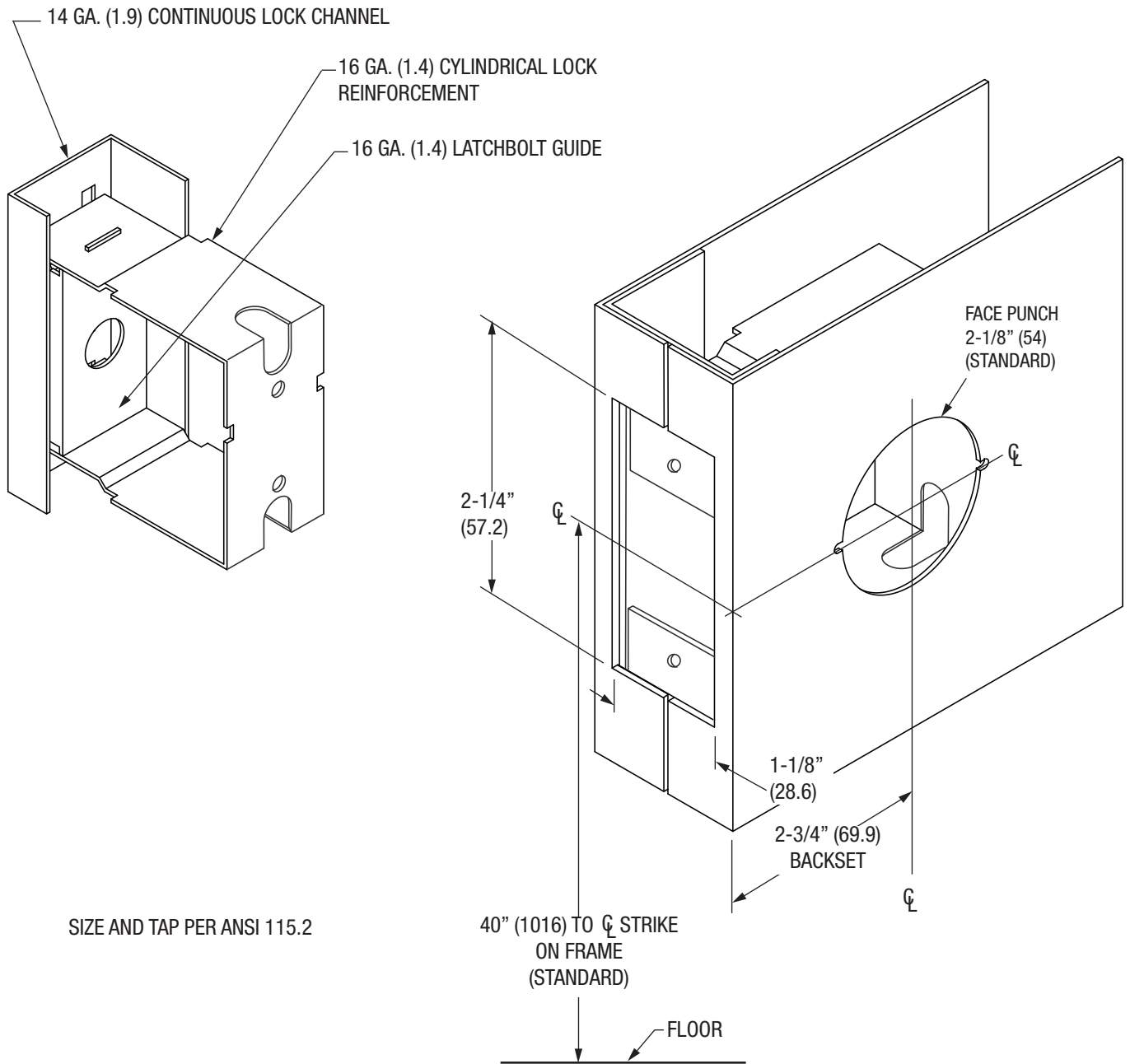
98
G1B Cylindrical Thru Bolt Preparation 1-3/8" Door

Door Technical Data



April, 2002

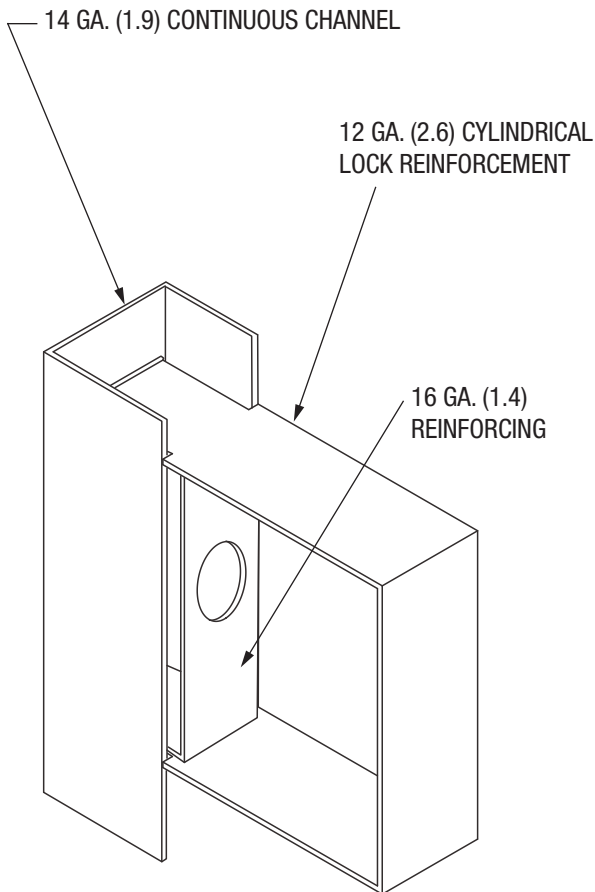




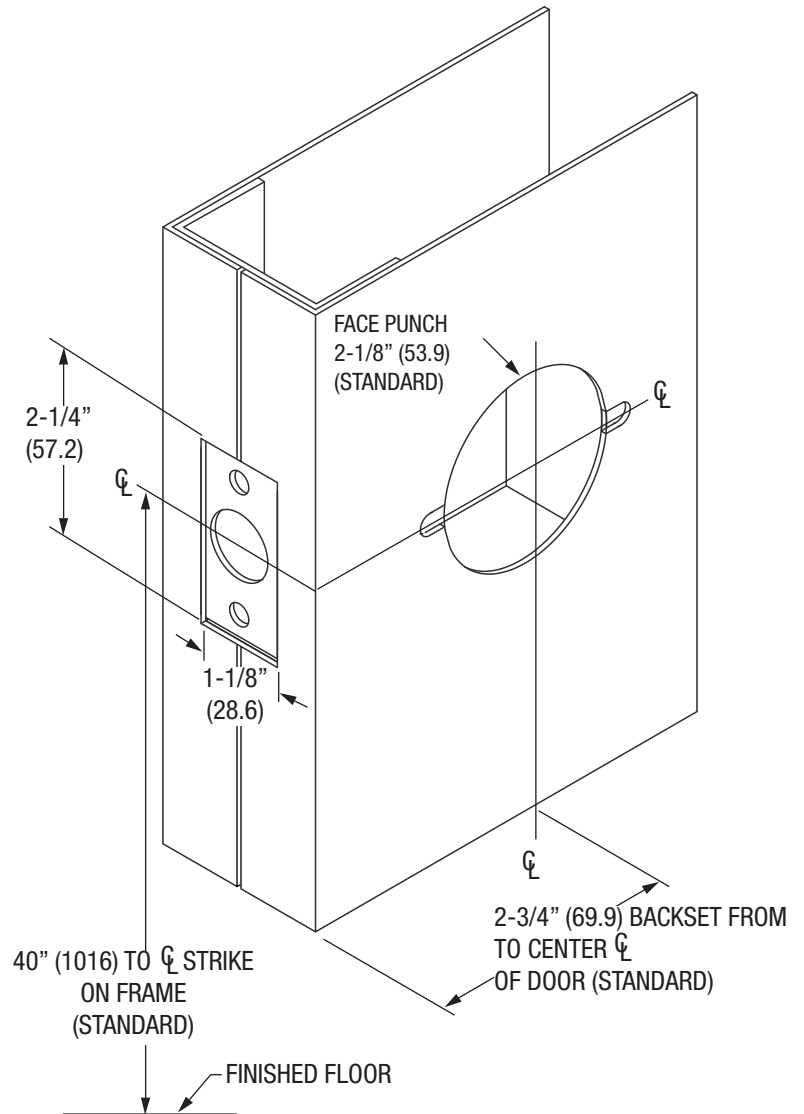
April, 2002

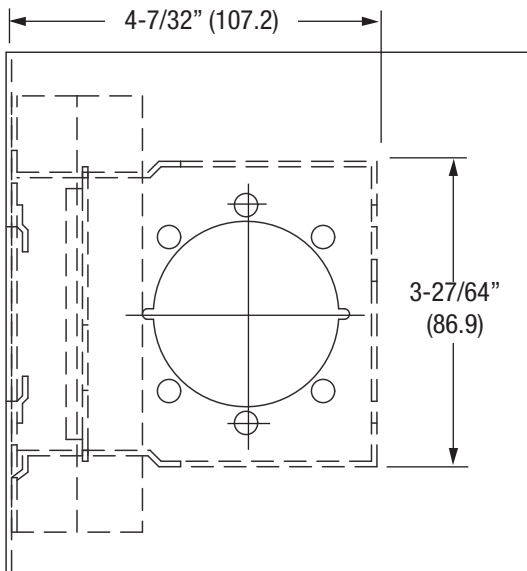
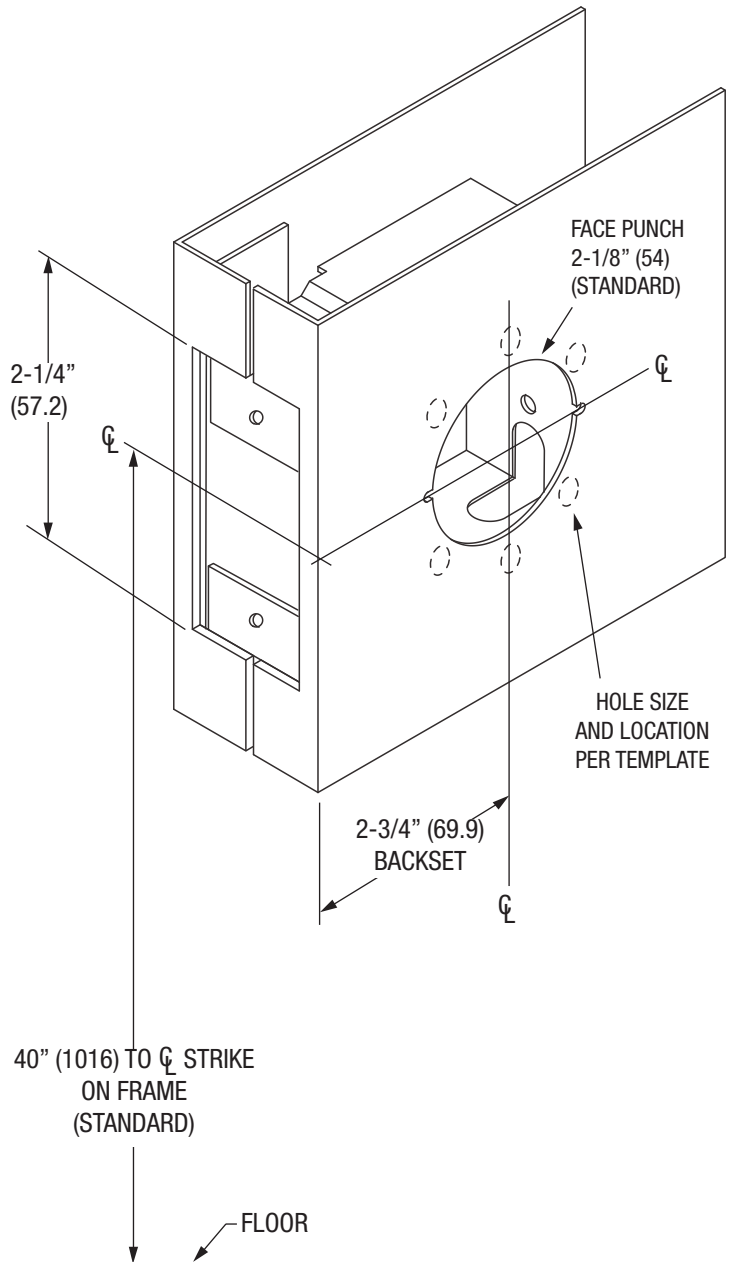
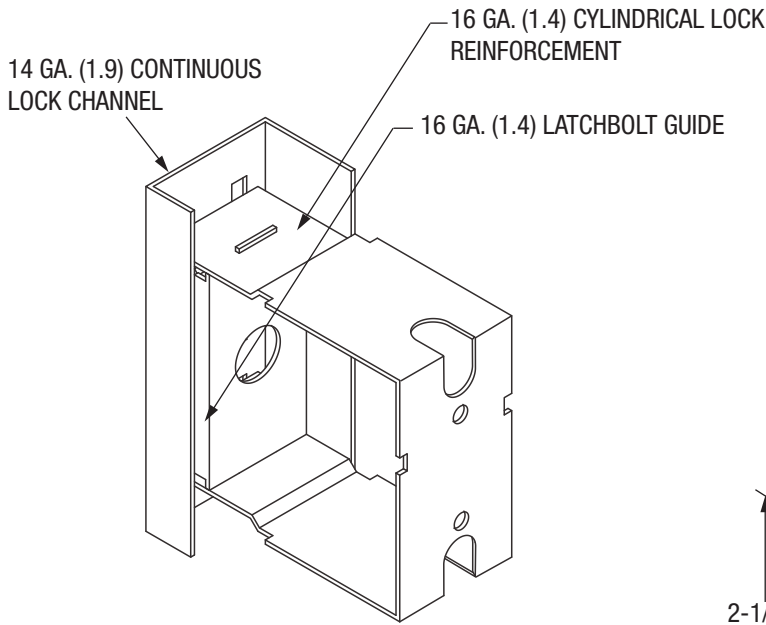


2" DOOR



SIZE AND TAP PER ANSI 115.2





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

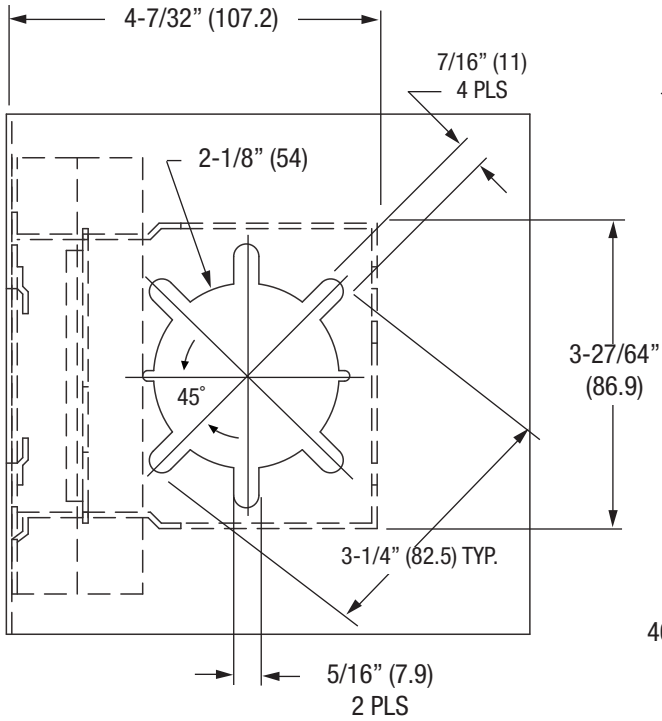
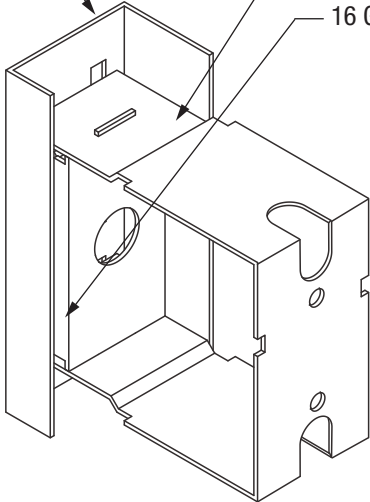
SIZE AND TAP PER ANSI 115.2

April, 2002

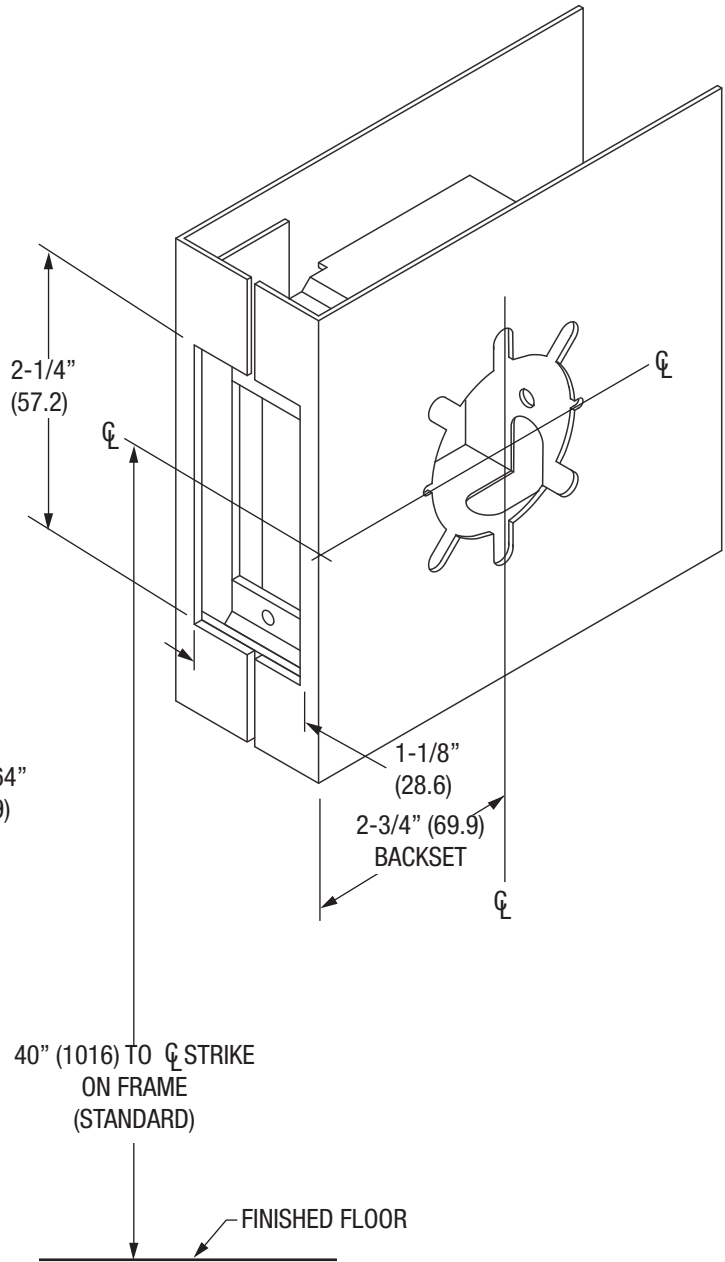


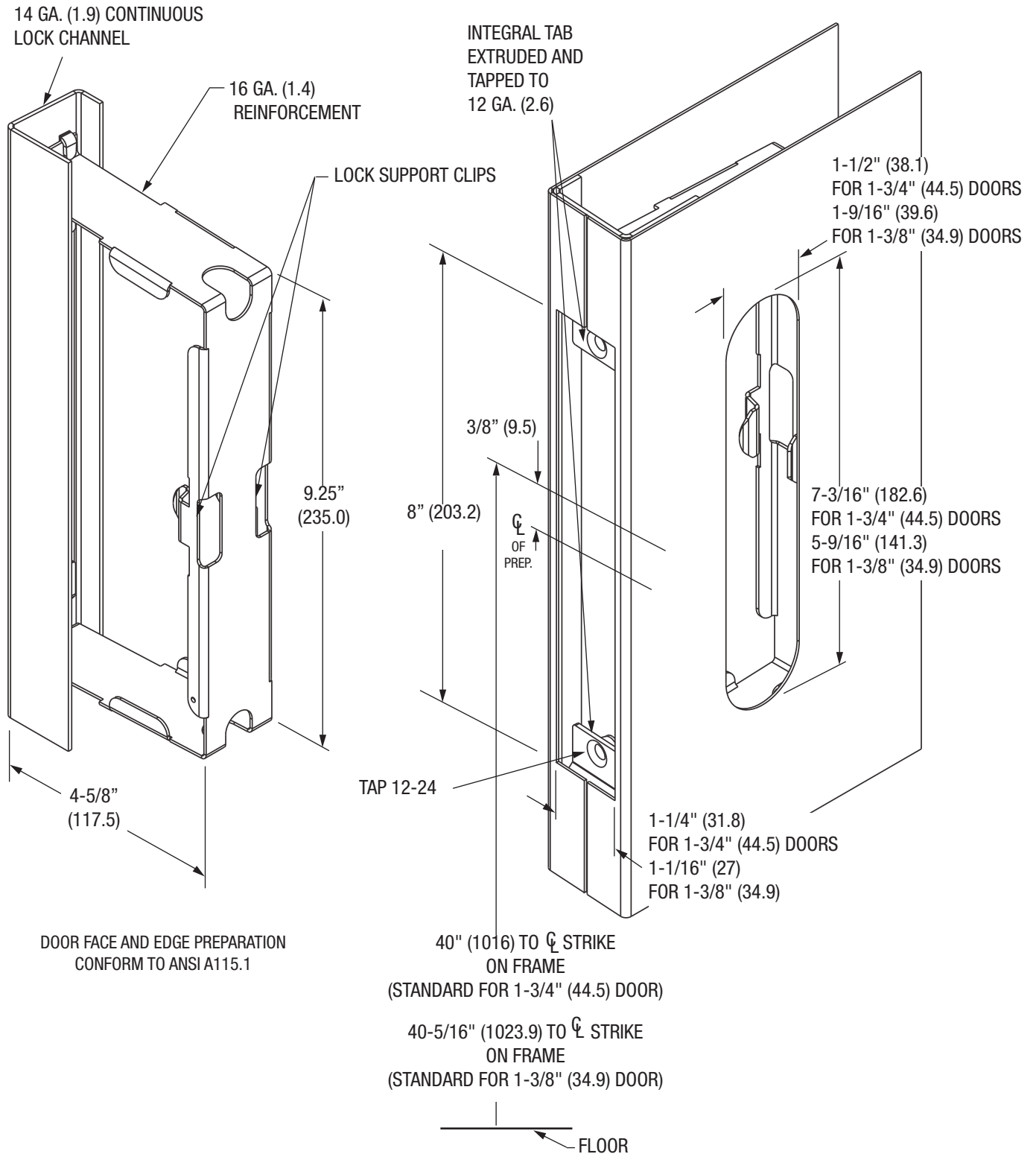
14 GA. (1.9) CONTINUOUS LOCK CHANNEL
 16 GA. (1.4) CYLINDRICAL LOCK REINFORCEMENT

16 GA. (1.4) LATCHBOLT GUIDE

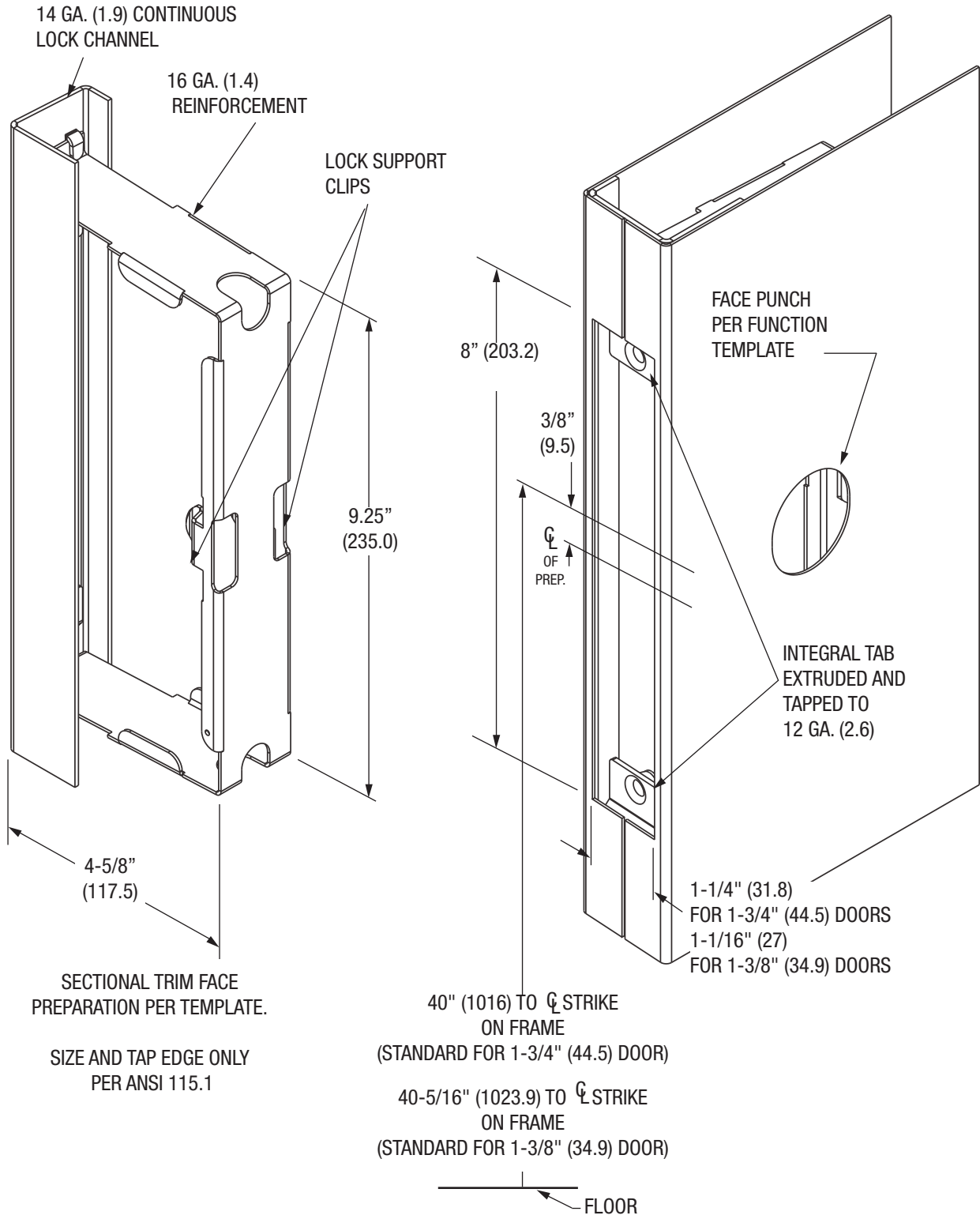


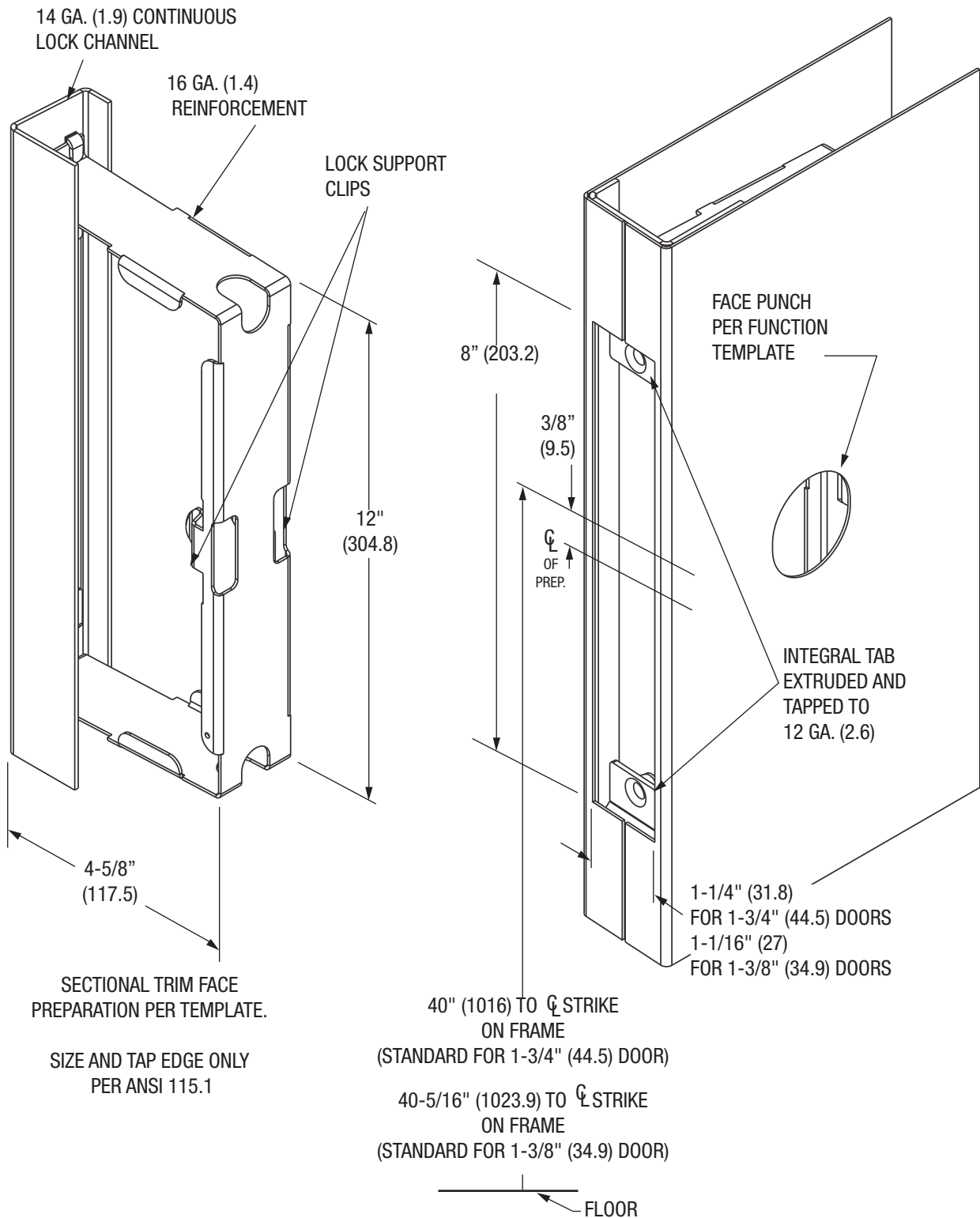
SIZE AND TAP PER ANSI 115.18





April, 2004

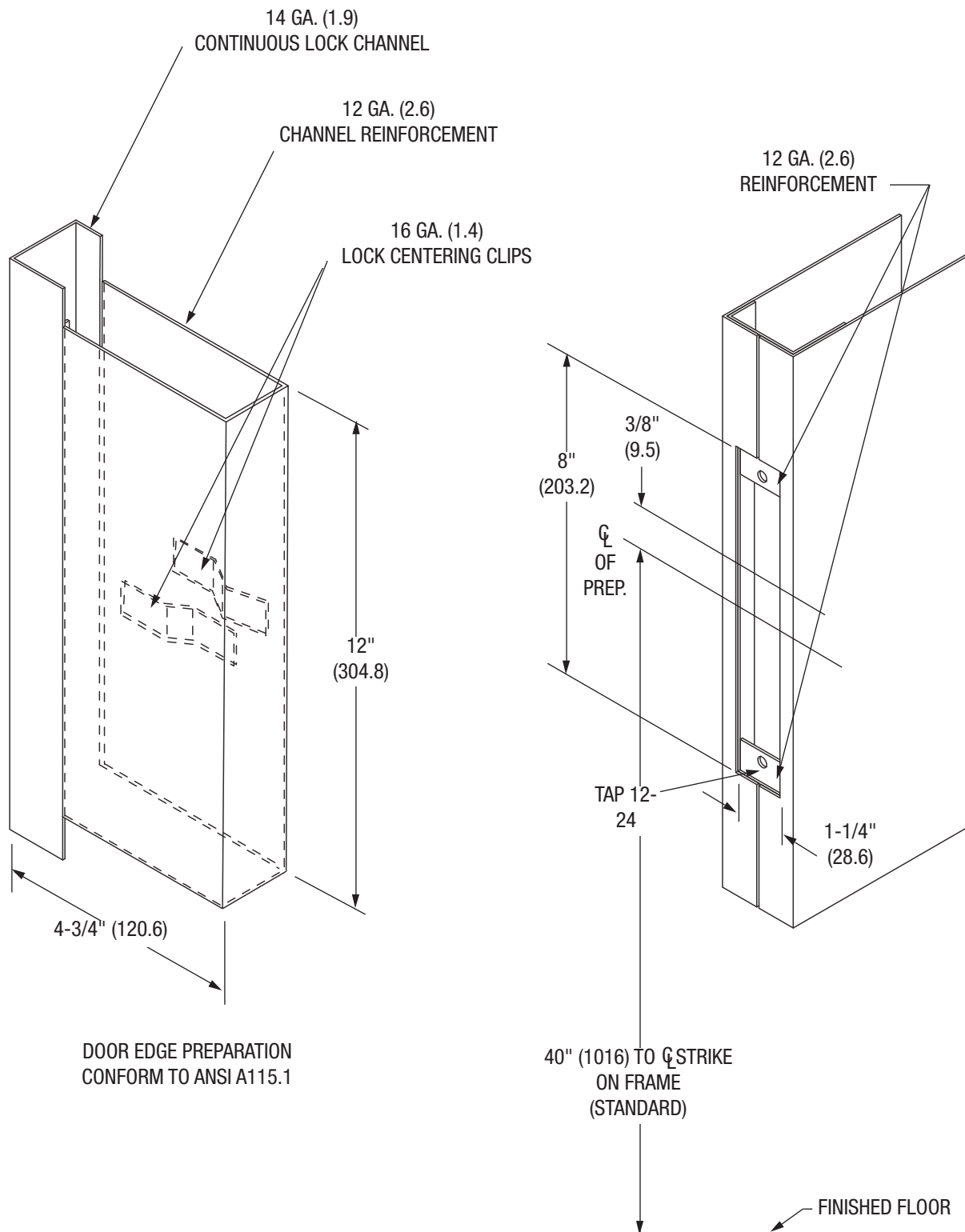


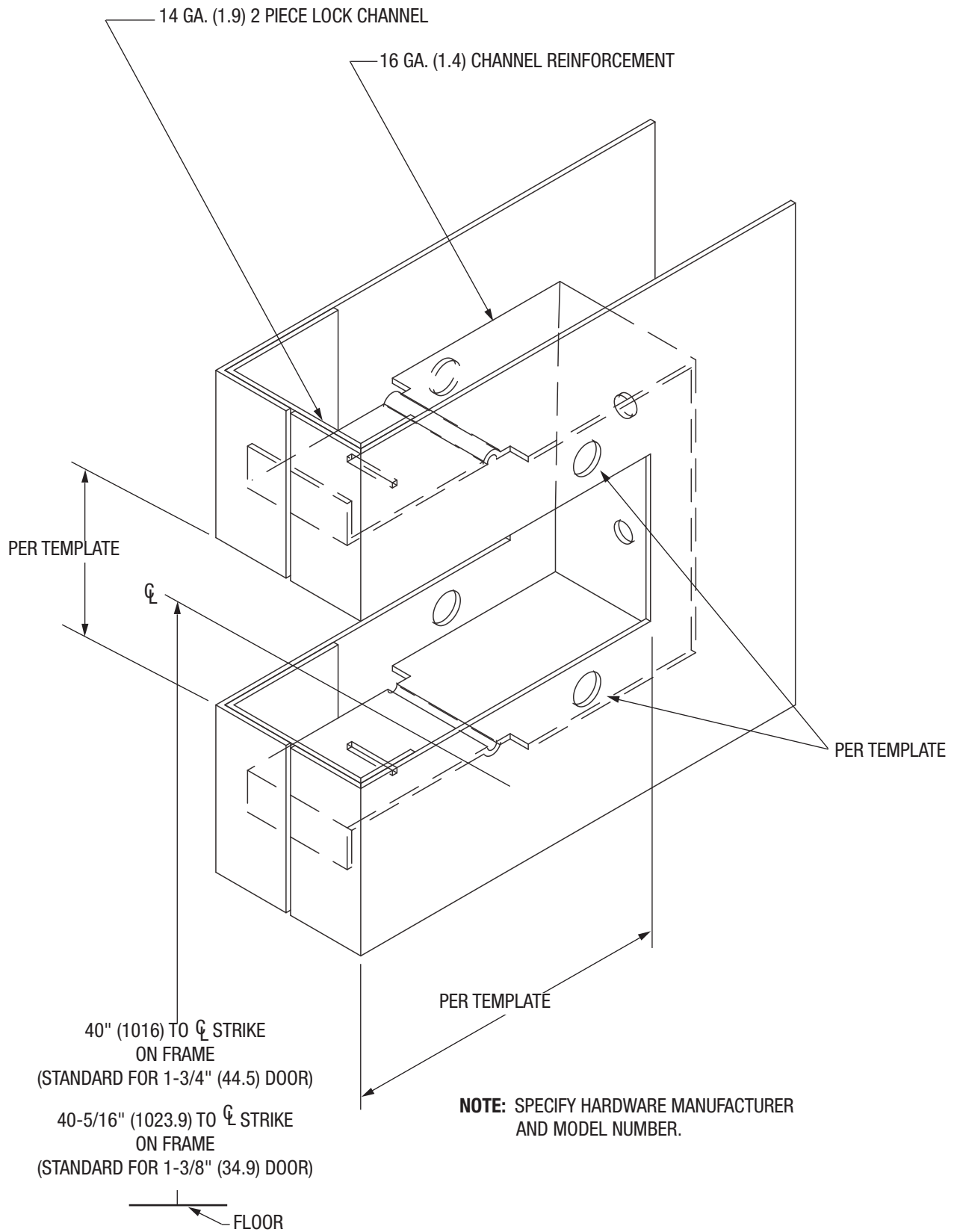


April, 2002

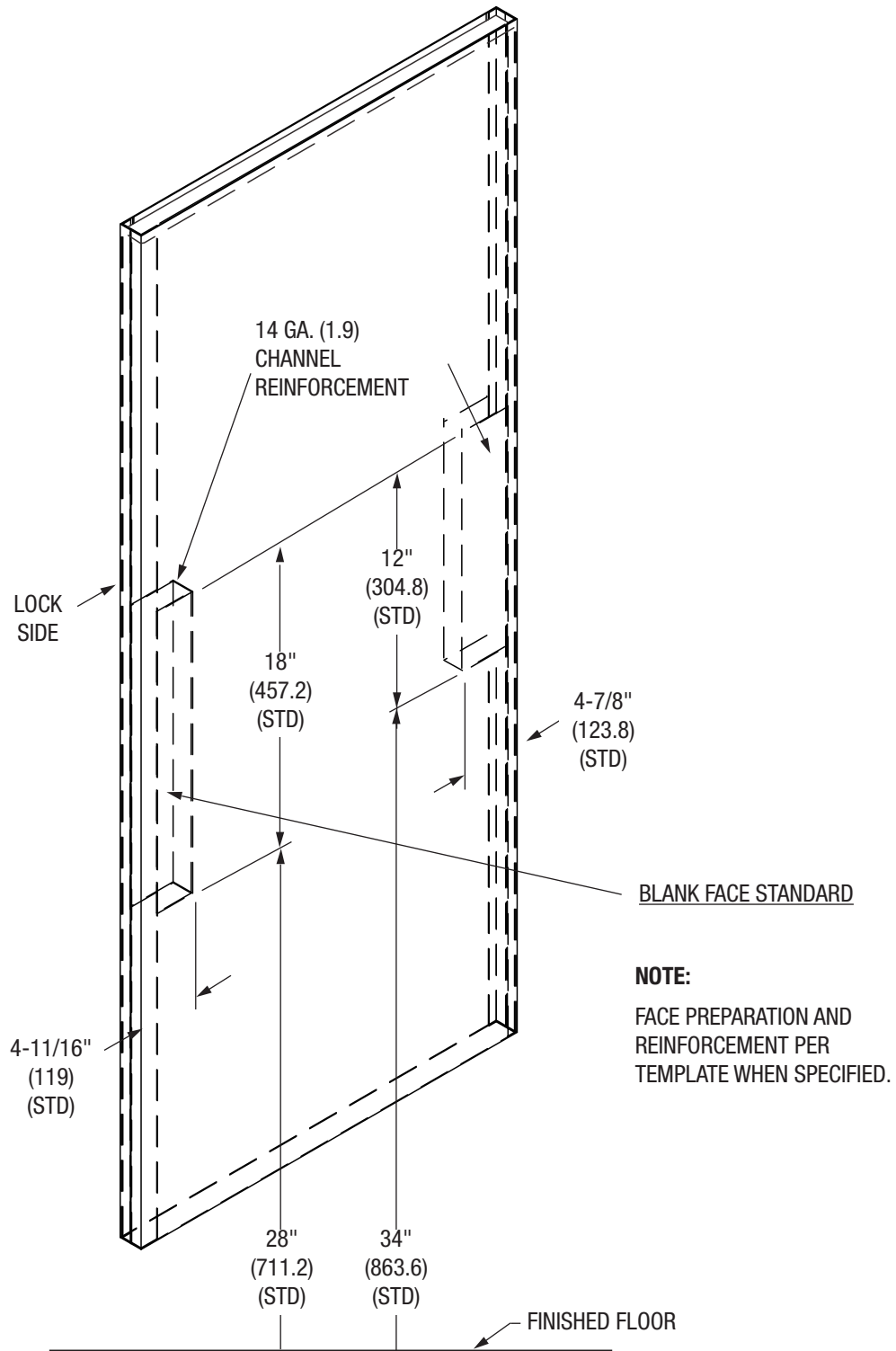


2" DOOR





March, 2007



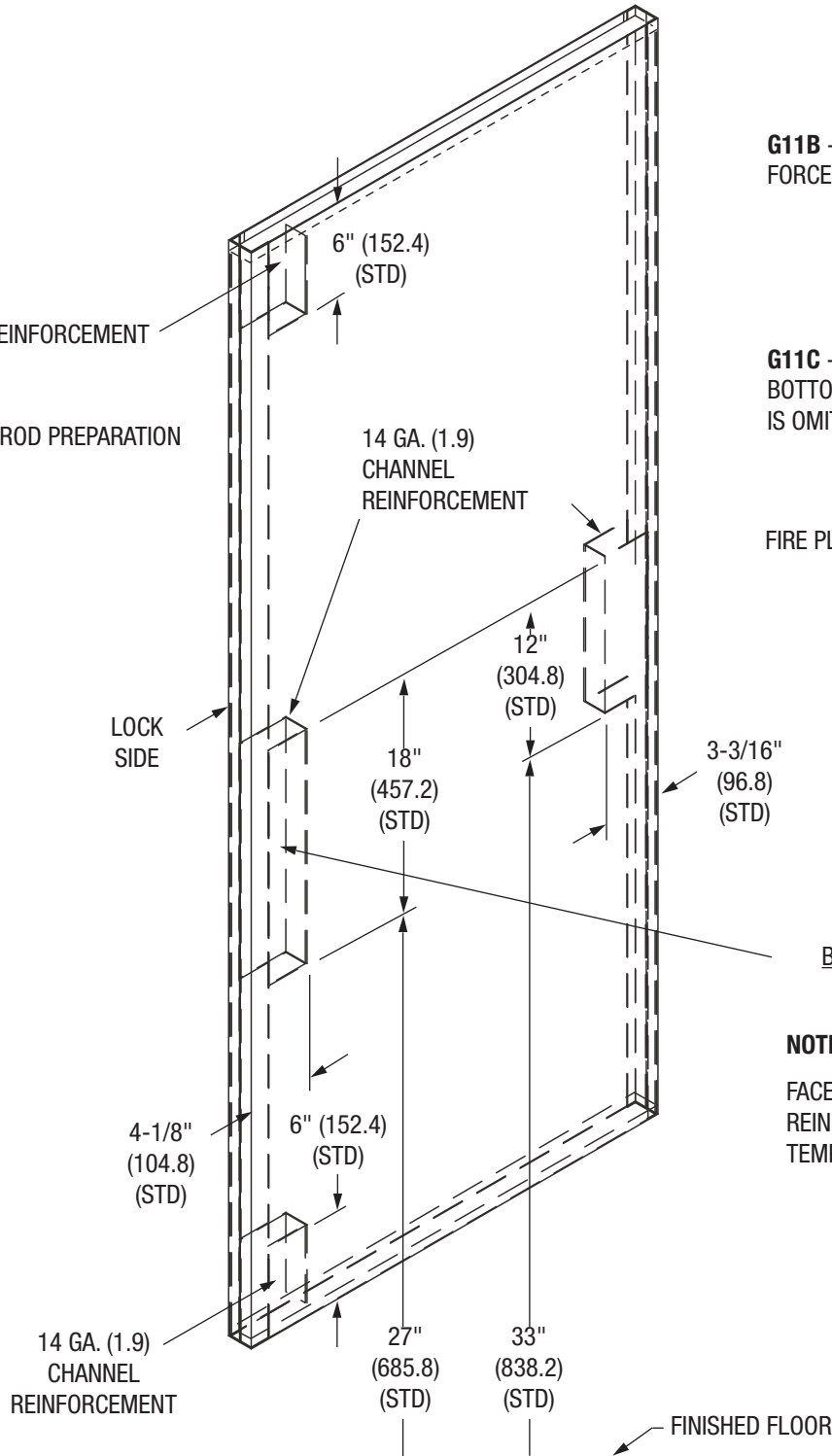
G11A, G11B, G11C Rim Vertical Rod Exit Reinforcement

Door Technical Data

March, 2007



NOTE:
TOP AND BOTTOM ROD PREPARATION
PER TEMPLATE.



G11B - 3 POINT LATCHING IS REIN-
FORCED THE SAME AS G11A SHOWN

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

FIRE PLUNGER REQUIRED FOR LABEL.

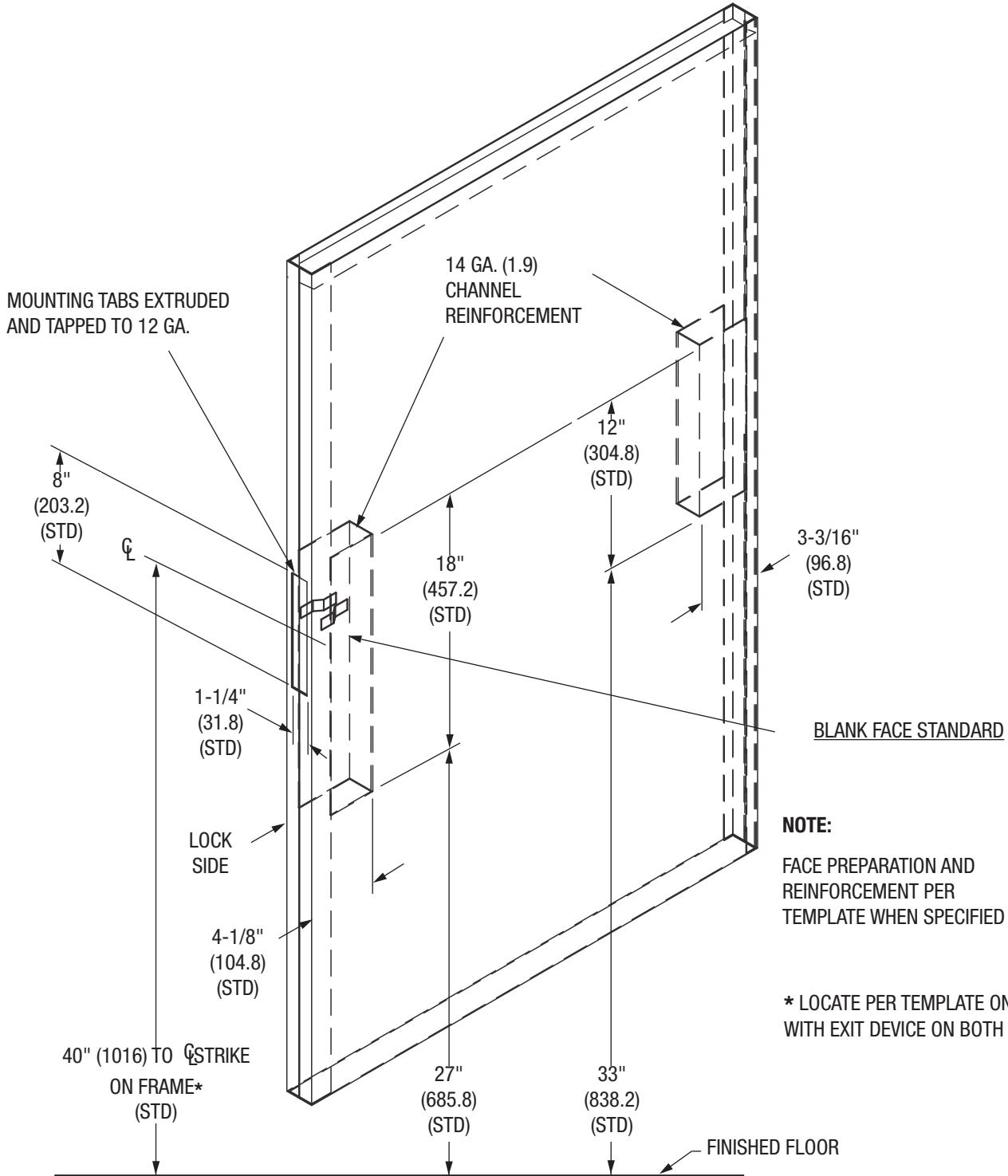
BLANK FACE STANDARD

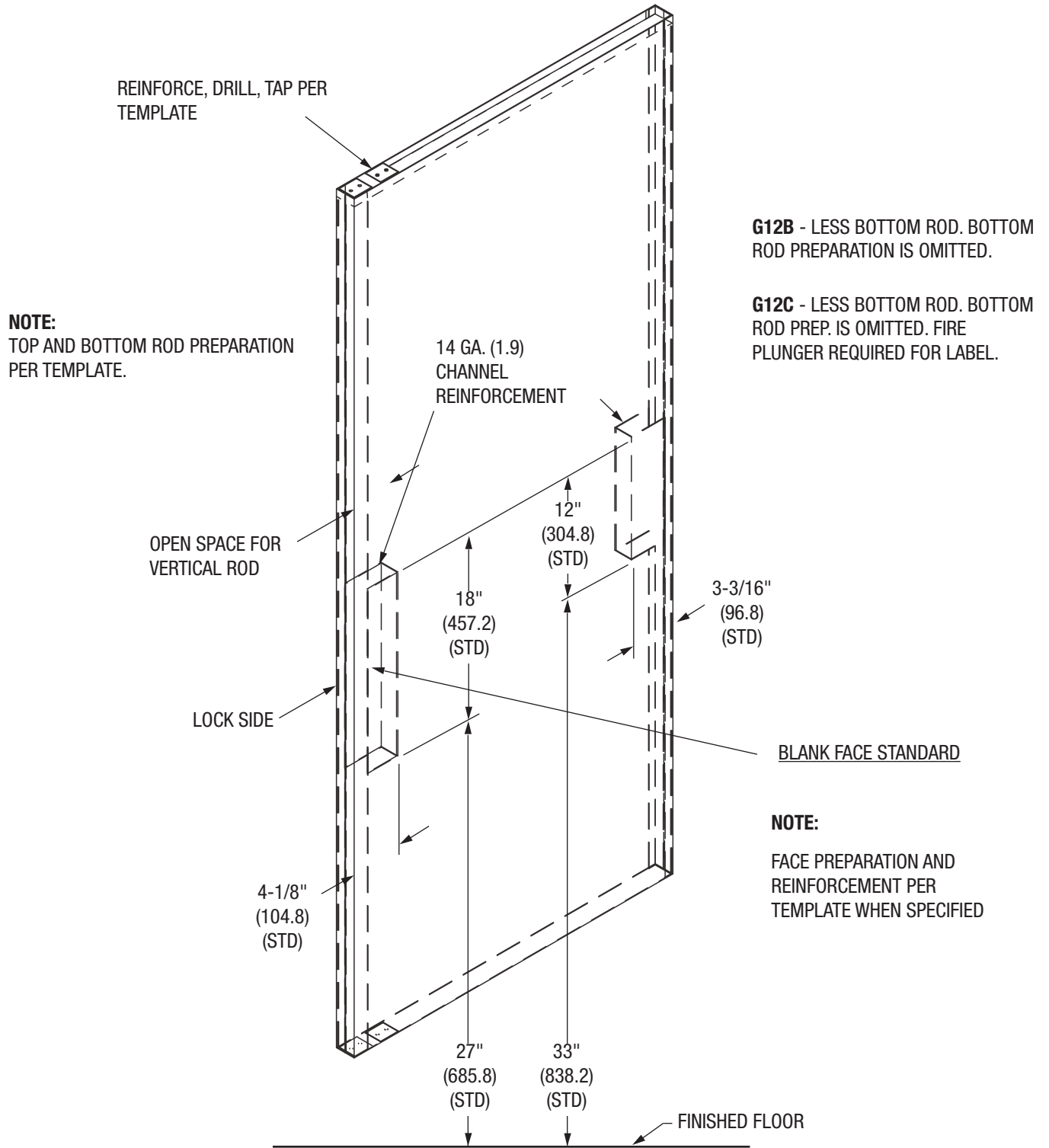
NOTE:
FACE PREPARATION AND
REINFORCEMENT PER
TEMPLATE WHEN SPECIFIED.

G12 Mortise Exit Reinforcement

Door Technical Data

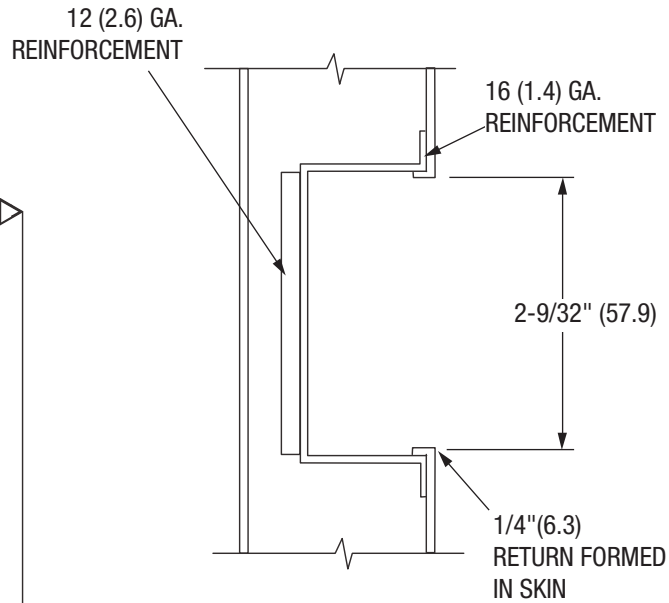
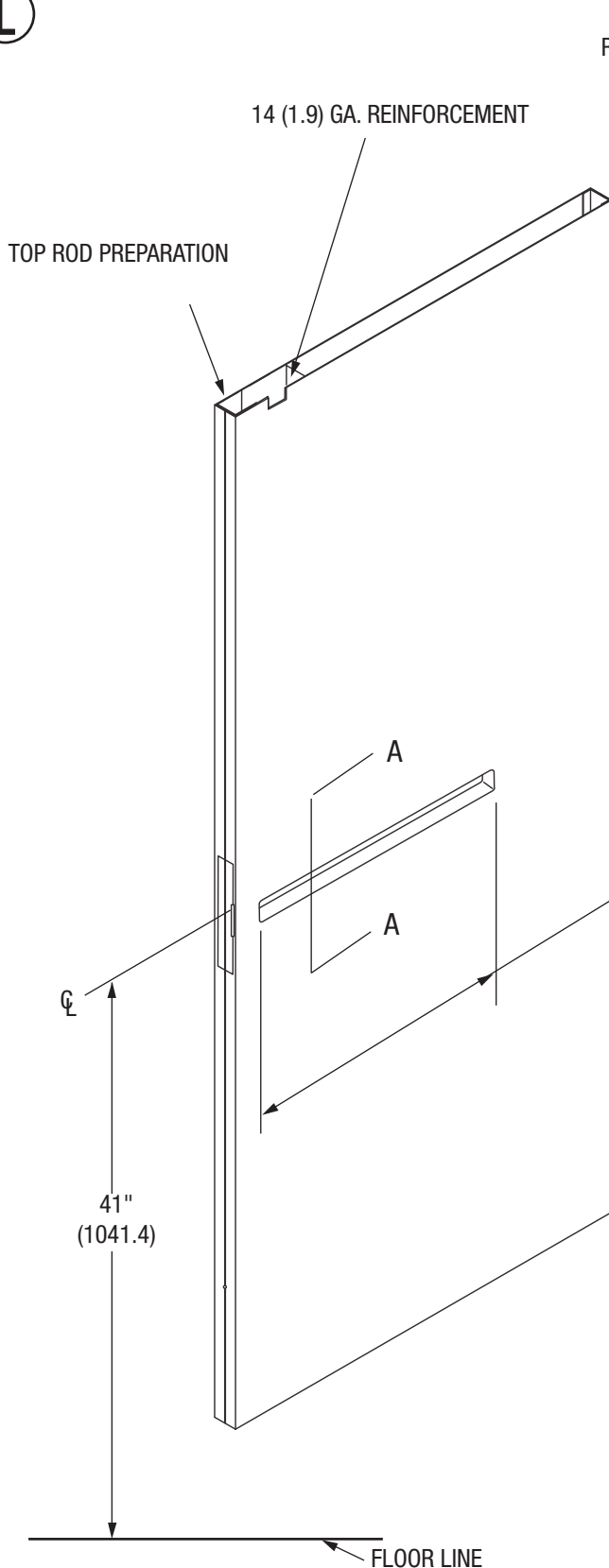
March, 2007





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

May, 2006



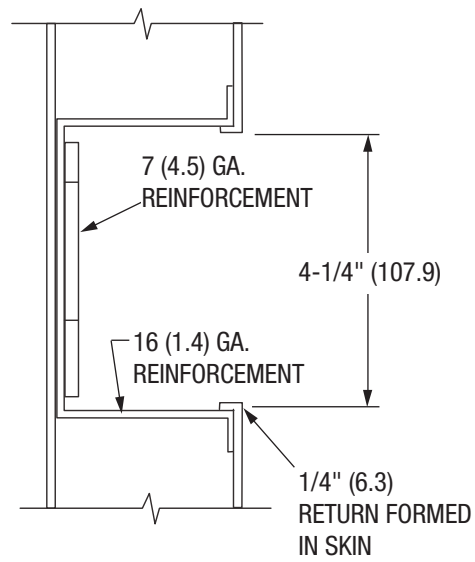
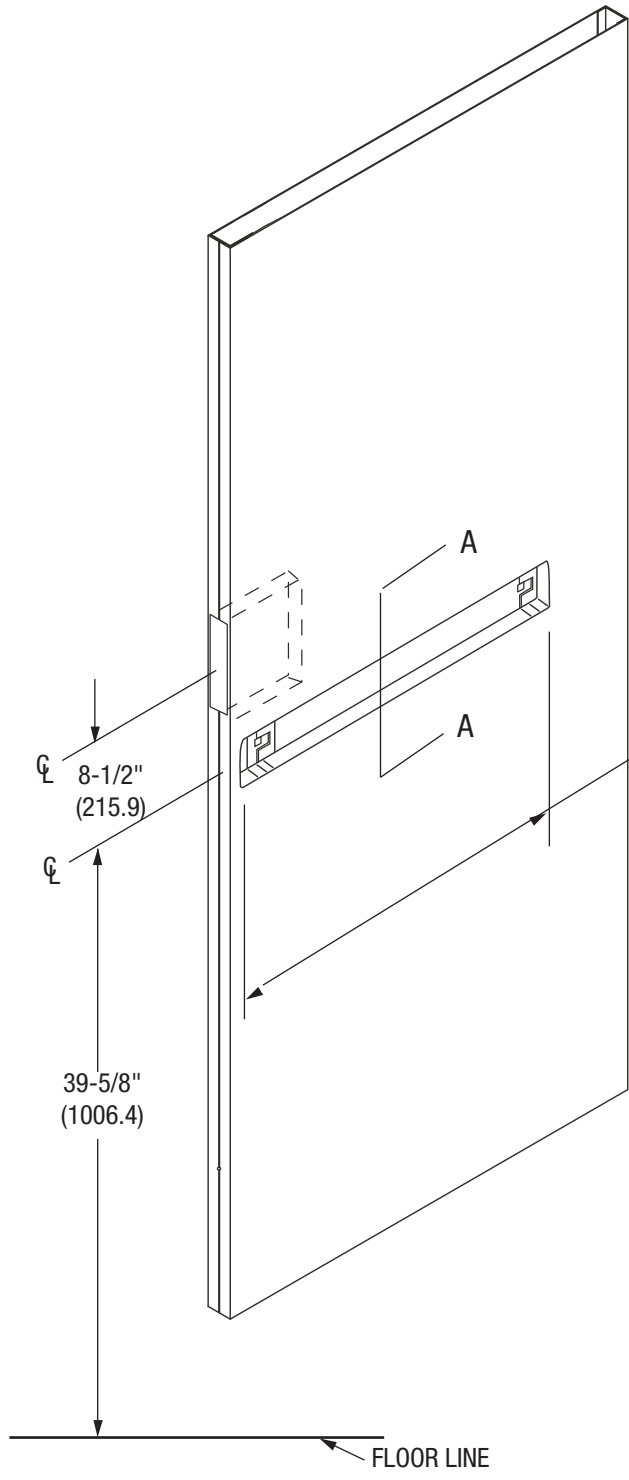
SECTION A-A

- 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).



SECTION A-A

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

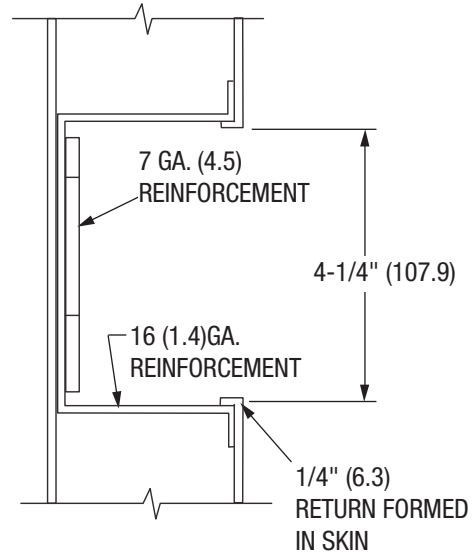
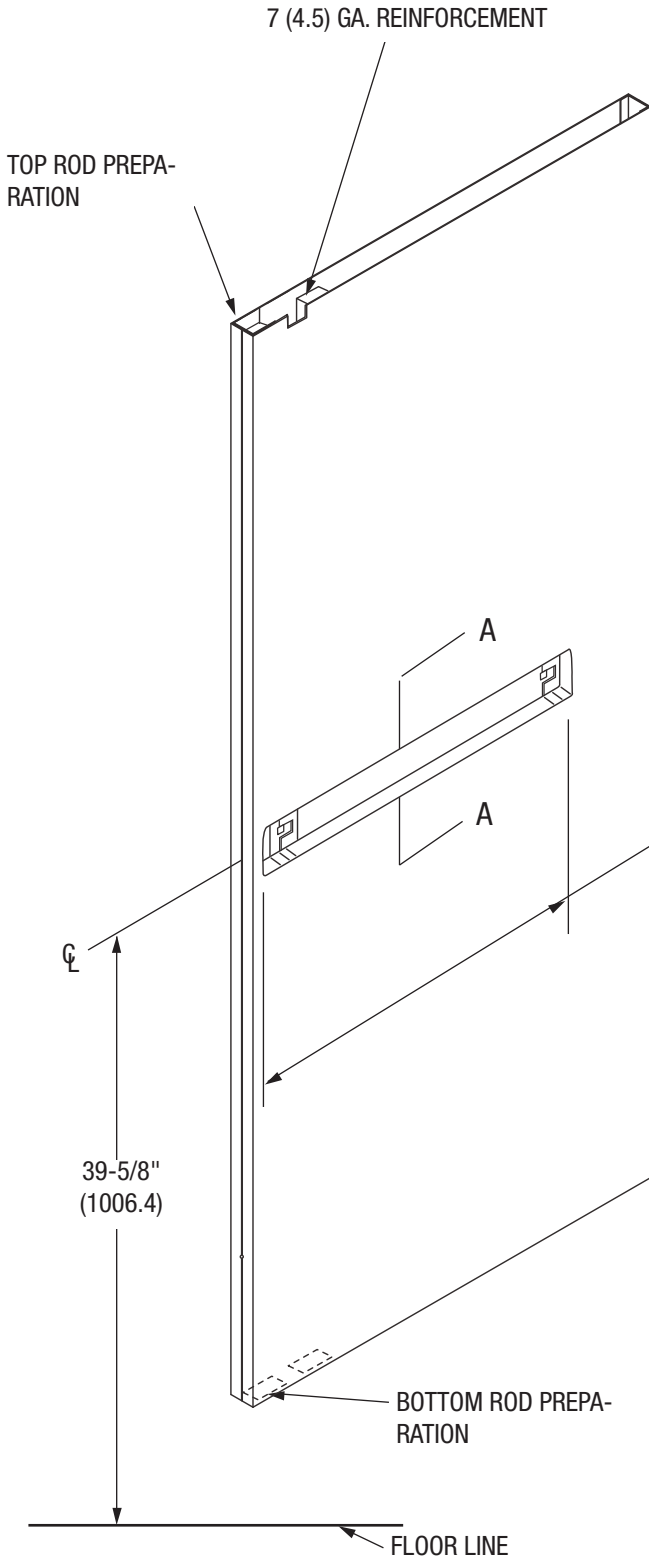
NOMINAL DOOR WIDTH, W *
 2'6" (762.0) ≤ W < 2'10" (863.6)
 2'10" (863.6) ≤ W ≤ 5'0" (1524)

THE DEVICE IS FIRE RATED 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

April, 2004



SECTION A-A

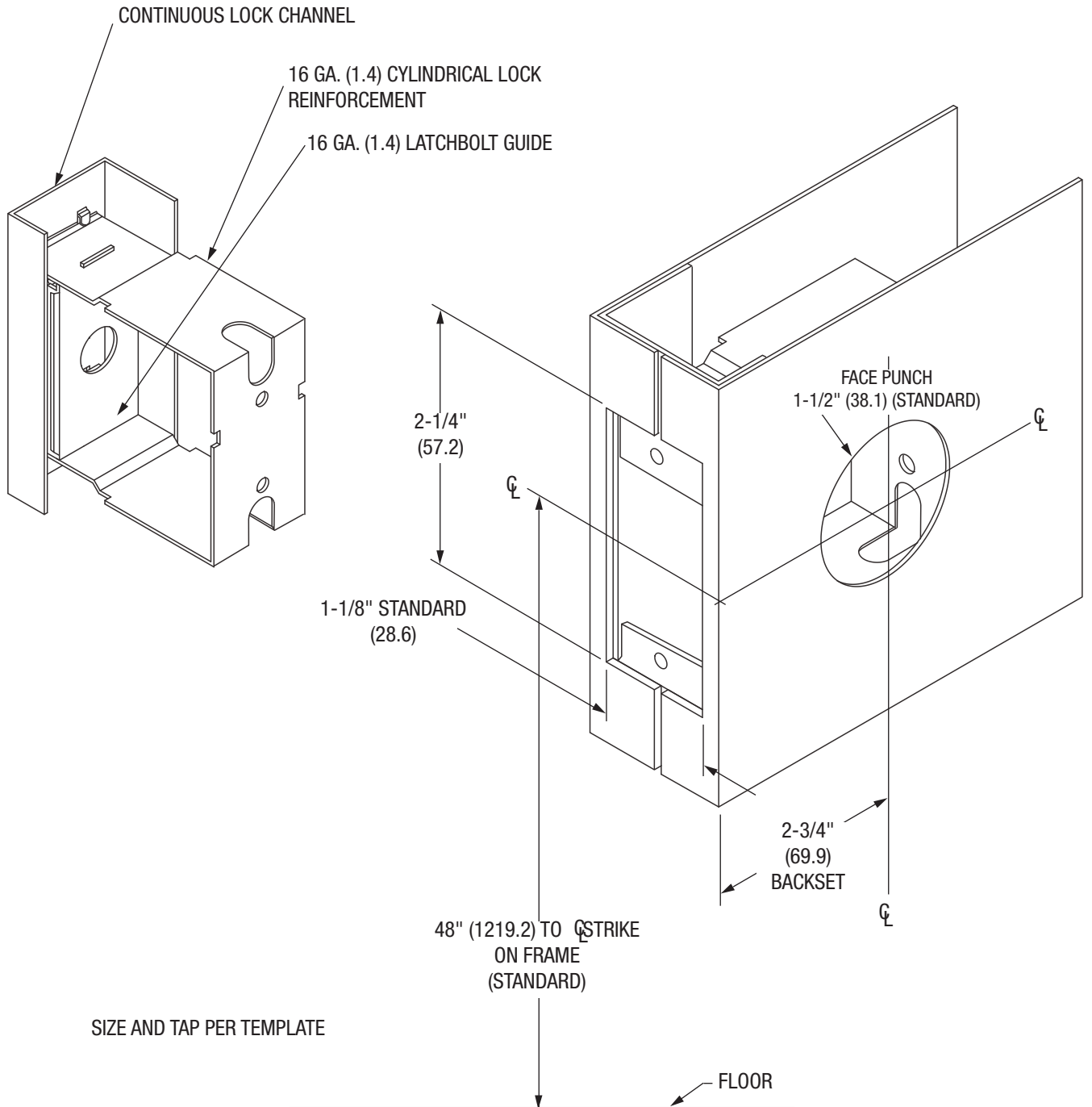
CUTOUT WIDTH
 24-5/32" (613.6)
 30-5/32" (765.9)

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.

* STANDARD HINGE AND LOCK CLEARANCES

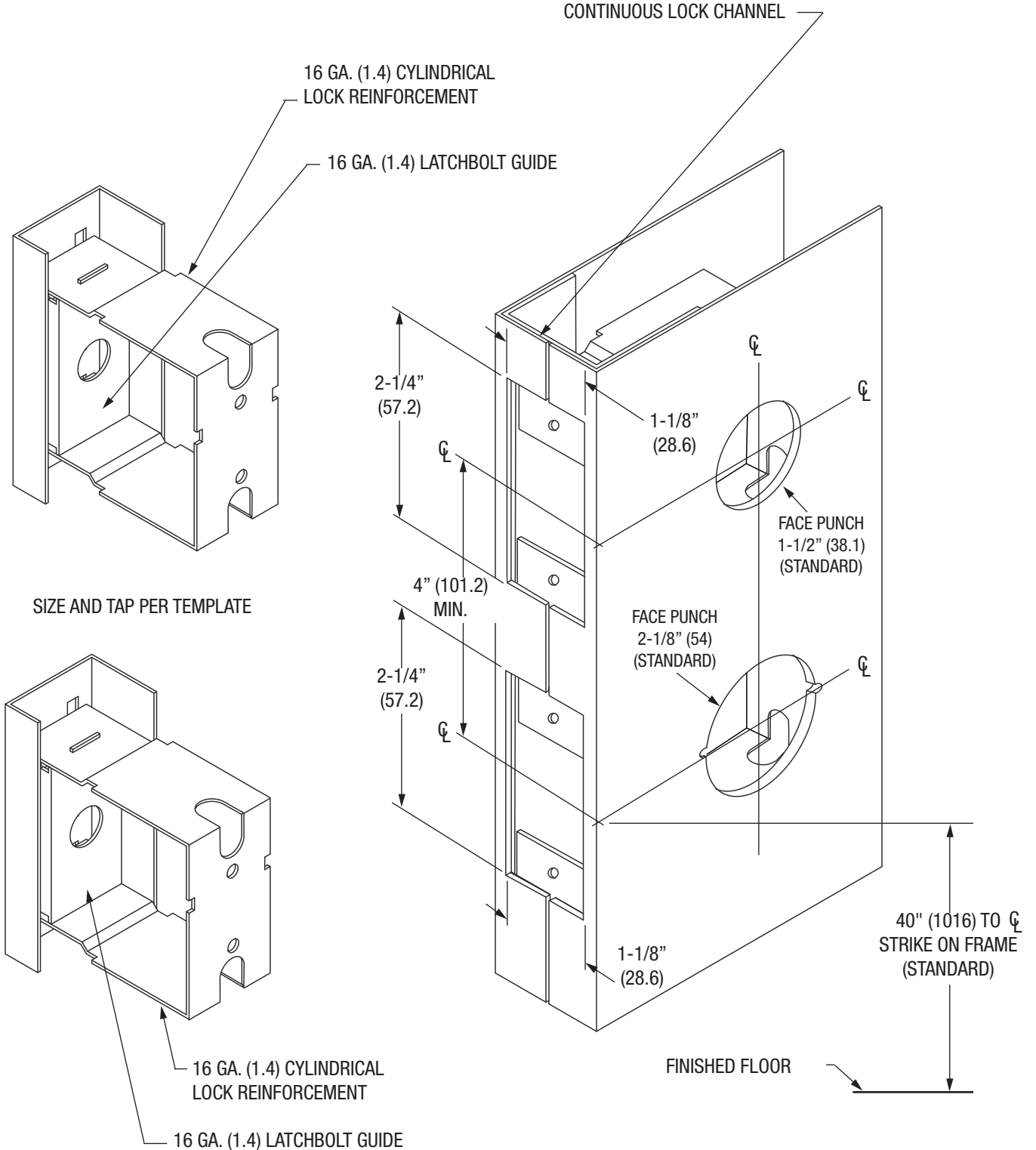
1-3/4" (44.4) DOOR ONLY
 NOT AVAILABLE ON:
 EMBOSSED PANEL DOORS
 20 (.91) GAUGE DOORS
 607 SERIES DOORS
 737 SERIES DOORS
 2" (50.8) THICK DOORS

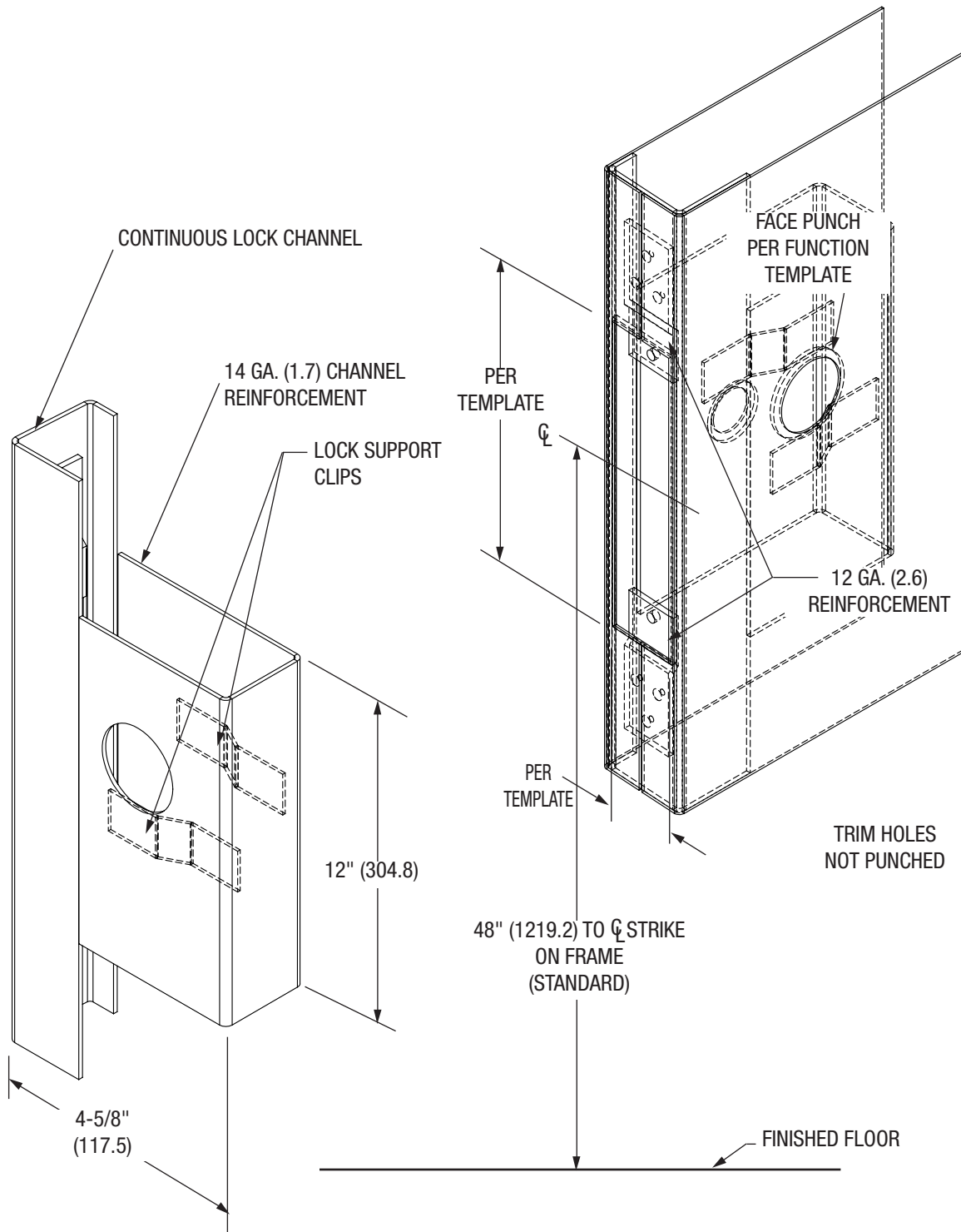


G2 Lock G16 Deadlock Combination (G25)

Door Technical Data

April, 2002





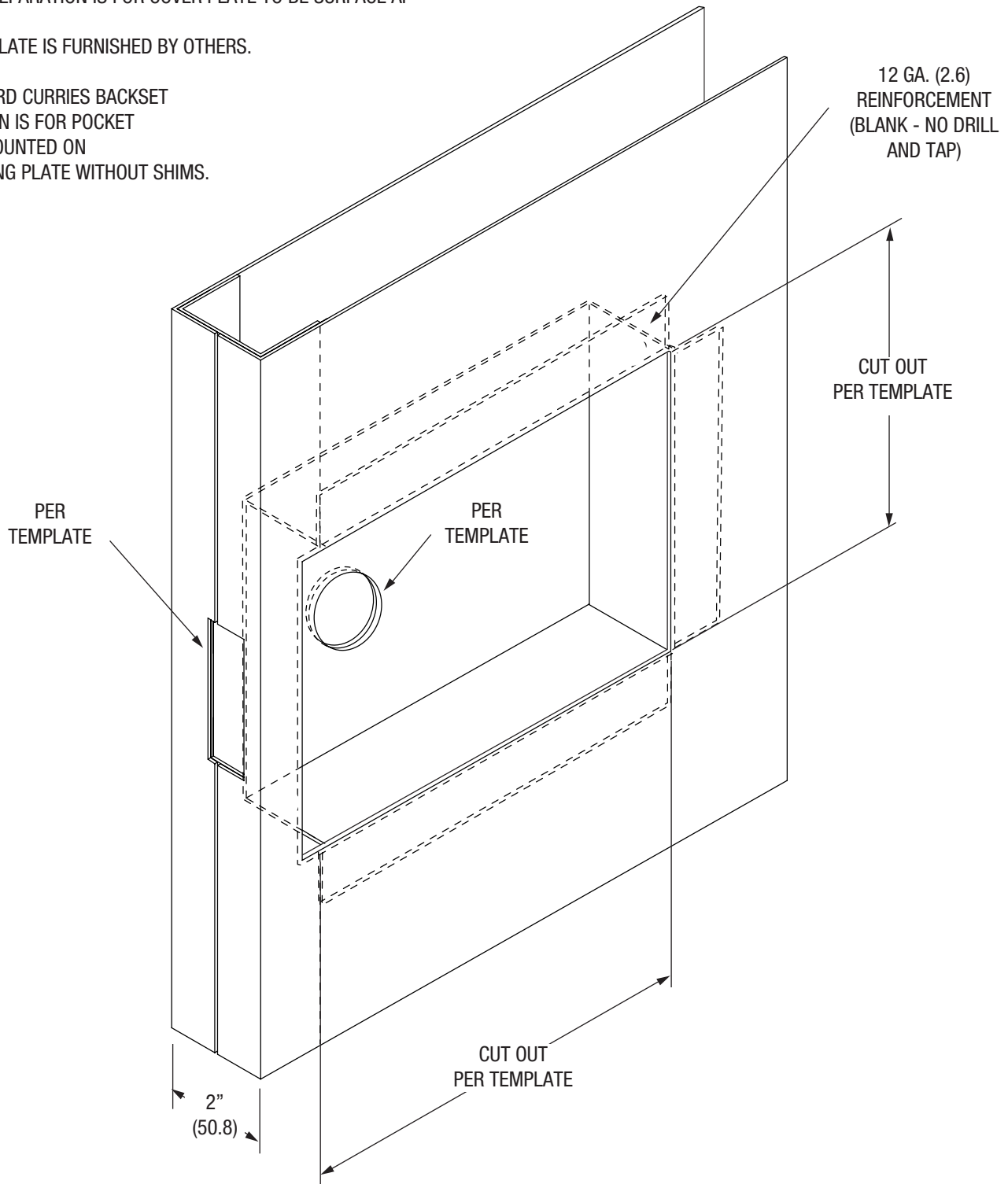
February, 2016

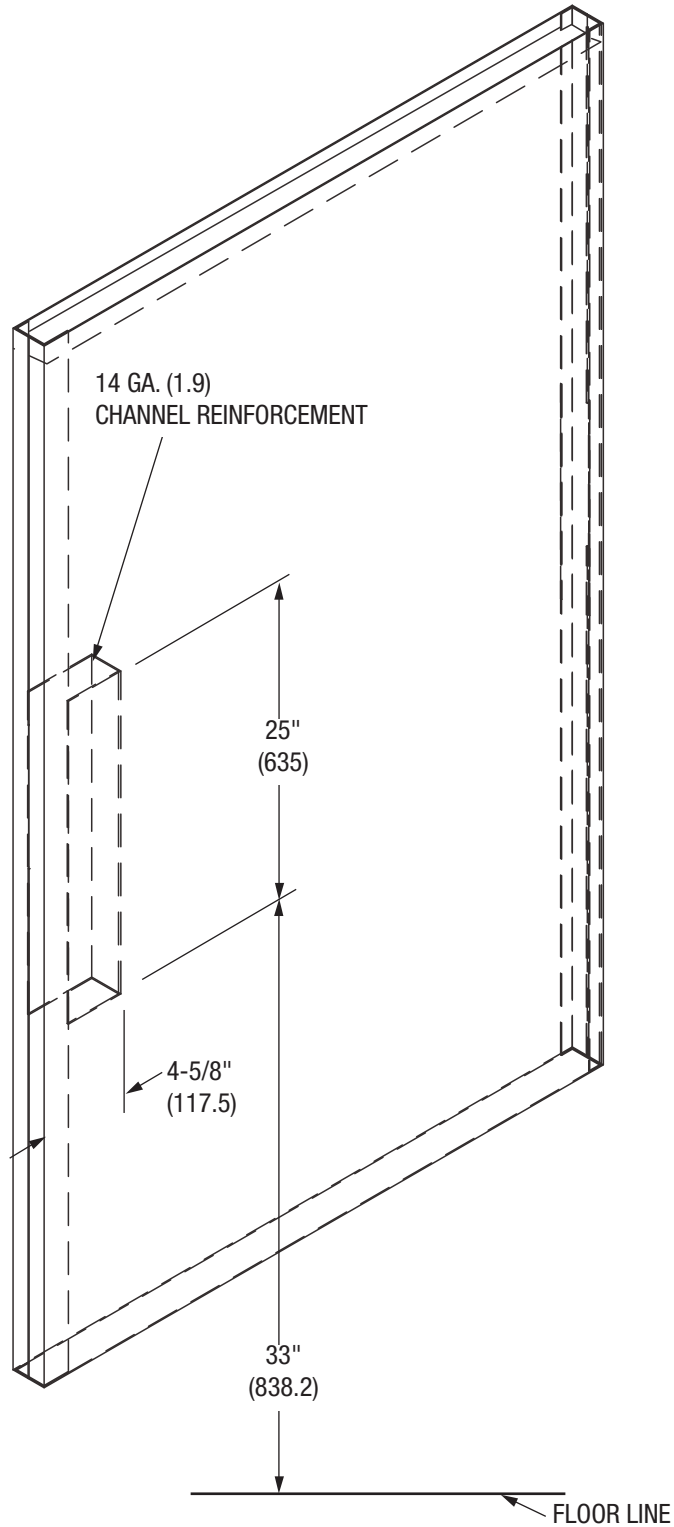


2" DOOR

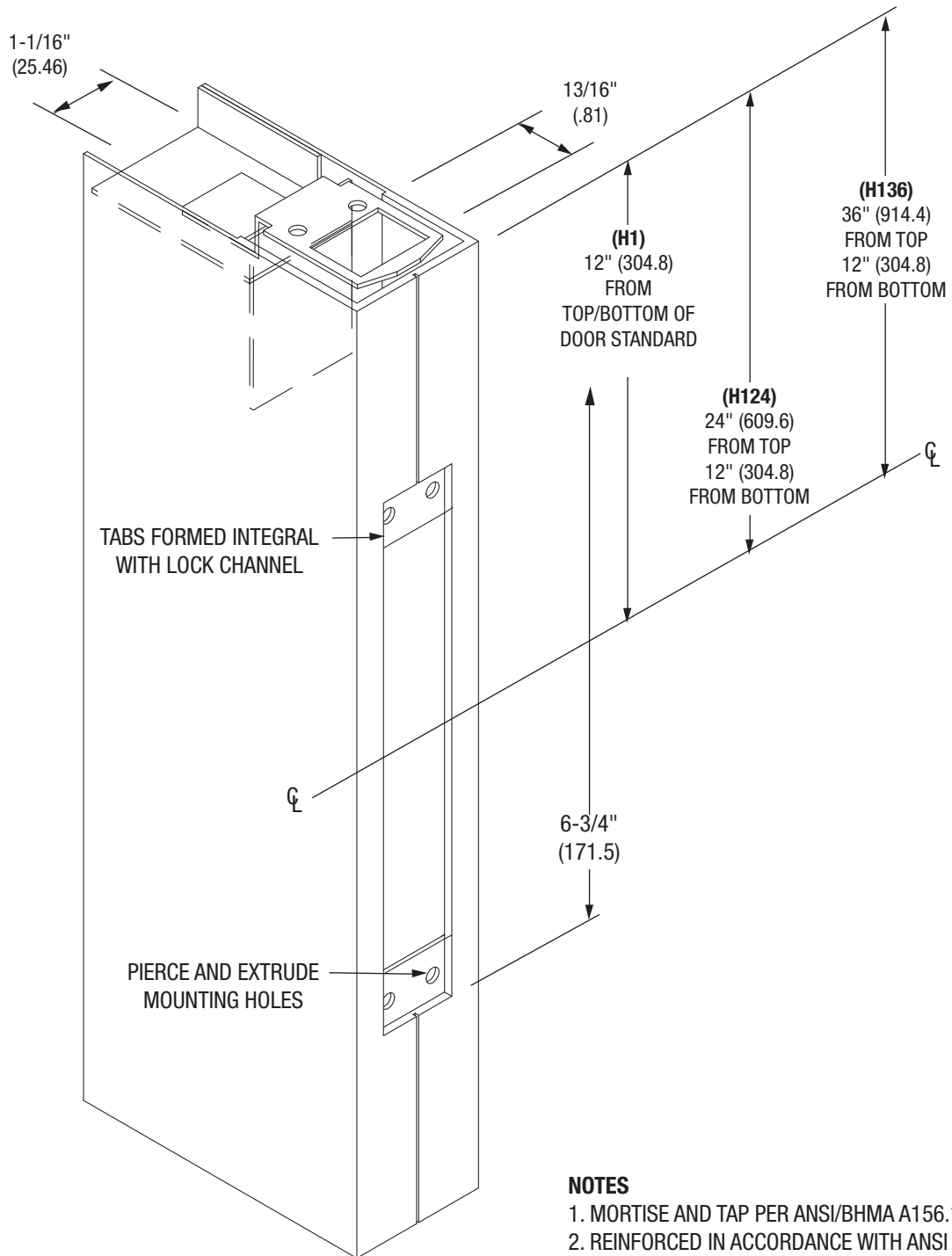
LOCK PREPARATION IS FOR COVER PLATE TO BE SURFACE APPLIED.
COVER PLATE IS FURNISHED BY OTHERS.

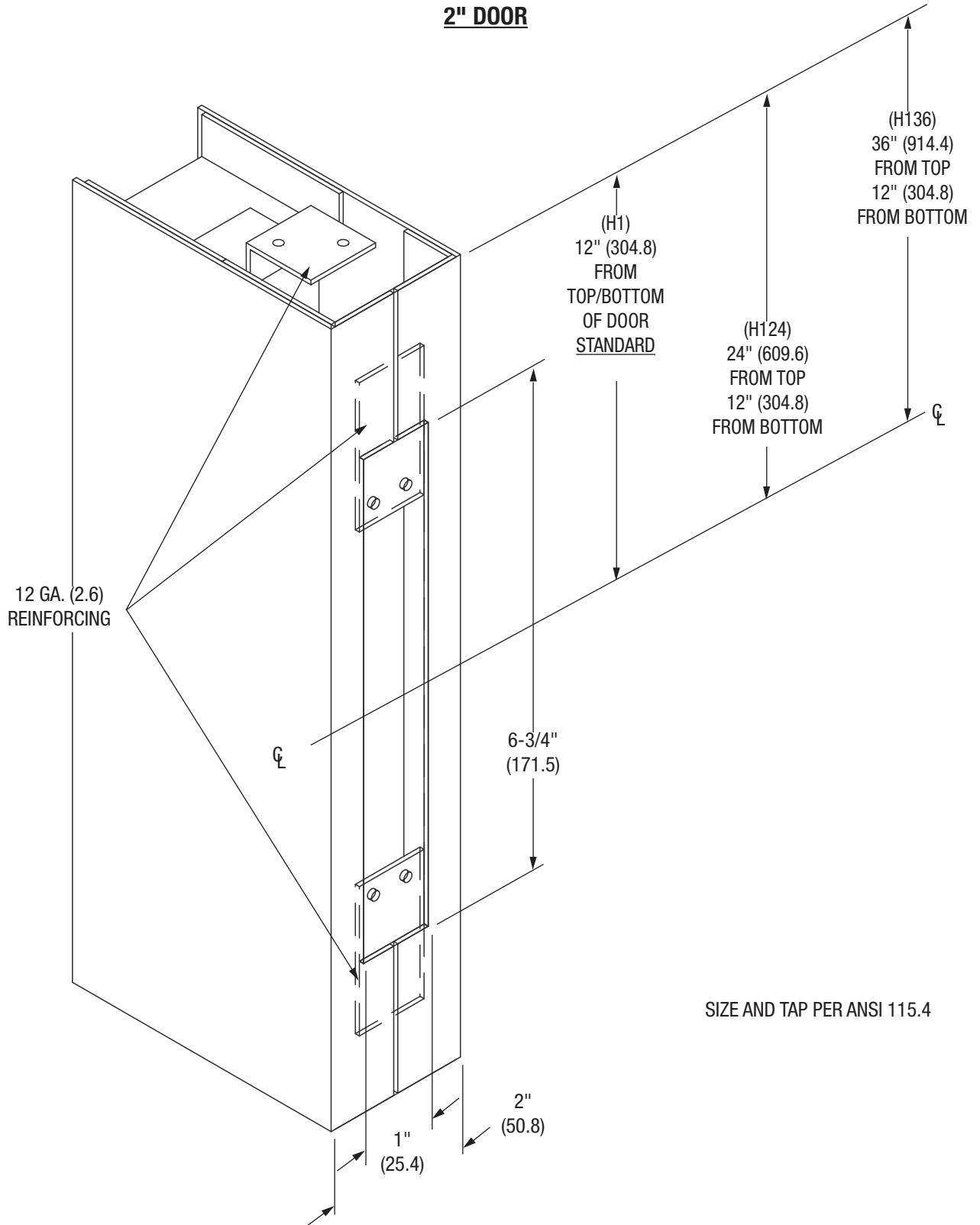
STANDARD CURRIES BACKSET
LOCATION IS FOR POCKET
LOCK MOUNTED ON
MOUNTING PLATE WITHOUT SHIMS.



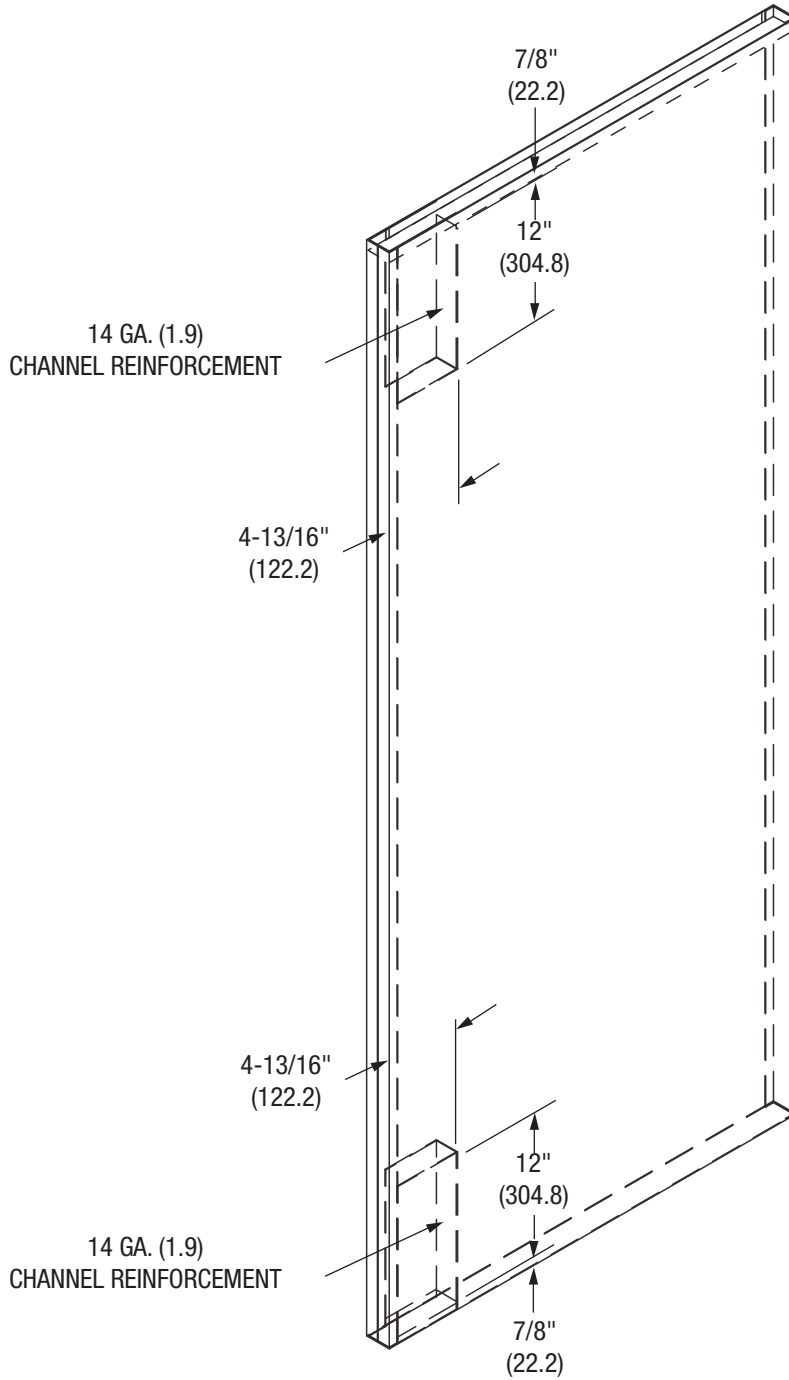


April, 2011





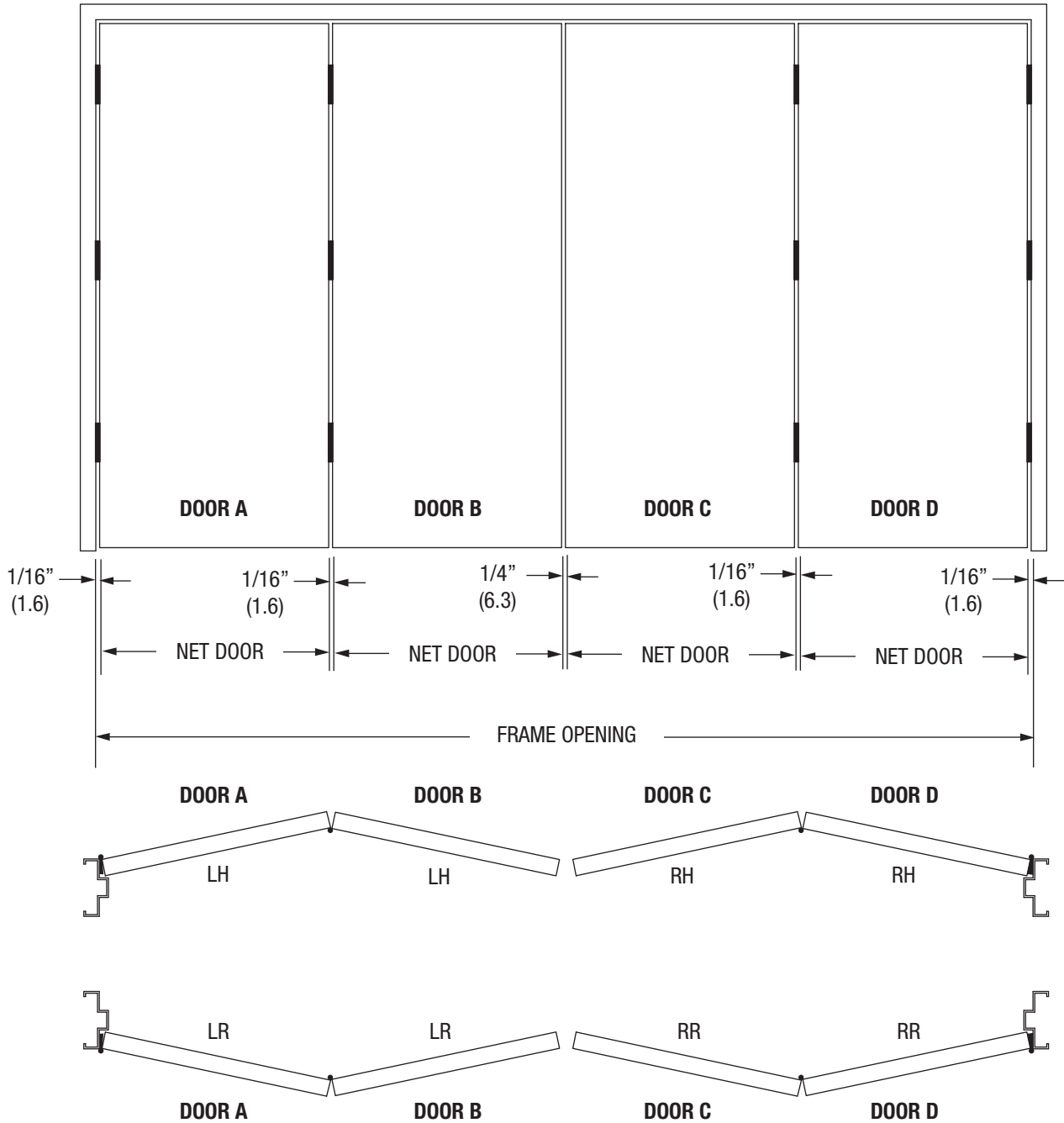
April, 2002



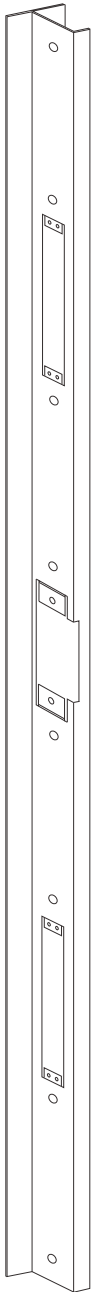
December, 2012



2 PAIR



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.

**Steel code - A1**

18 (1.1) or 16 (1.3) gauge galvaneal steel with .005" deep oak wood grain embossment.

Available 707 or 727 series "S" edge seam only.

4°9° (1219 x 2743.2) max. door size for 707.

4°8° (1219 x 2438.4) max. door size for 727.

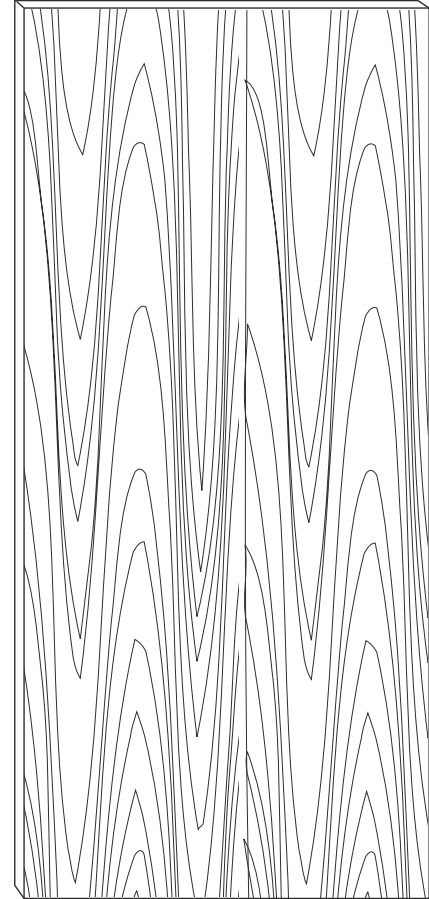
Type 1 and Type 2 window kits available.

CURRIStain Finish Colors

Natural	Cocoa
Wheat	Cabernet
Cashew	Java

Custom color match

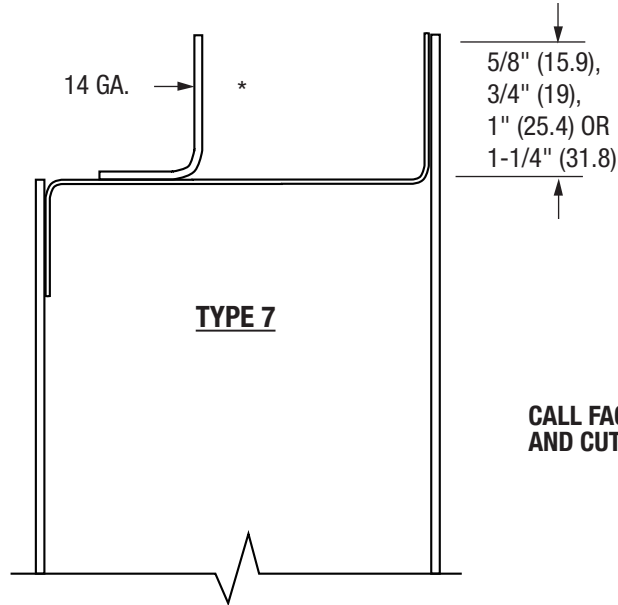
Check factory for pricing.
Subject to availability.

**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.

July, 2014

GLASS THICKNESS		POCKET SIZE	
TYPE 1 AND 2 CURRIES AND WOODGRAIN KITS			
0.1875" to 0.25"	Standard Pocket	0.3750"	
0.3125" to 0.50"	Special Pocket	0.6250"	
0.5625" to 0.75"	Special Pocket	0.8750"	
0.8125" to 1.00"	Special Pocket	1.1250"	
TYPE 3 KIT			
0.25"	Standard Pocket	0.375"	
0.375"	Special Pocket	0.50"	
0.50"	Special Pocket	0.625"	
TYPE 4 KIT			
0.25"	Standard Pocket	0.375"	
0.375"	Special Pocket	0.50"	
0.50"	Special Pocket	0.625"	
0.625"	Special Pocket	0.75"	
0.75"	Special Pocket	0.875"	
0.875"	Special Pocket	1.00"	
1.00"	Special Pocket	1.125"	
TYPE 7 KIT			
0.25"	Standard Pocket	0.375	
0.375"	Special Pocket	0.50"	
0.5"	Special Pocket	0.625"	
0.625"	Special Pocket	0.750"	
0.75"	Special Pocket	0.875"	
TYPE 8 KIT			
0.25"	Standard Pocket	0.375	
0.375"	Special Pocket	0.50"	
0.50"	Special Pocket	0.625"	
0.625"	Special Pocket	0.75"	
0.75"	Special Pocket	0.875"	
0.875"	Special Pocket	1.00"	
1.00"	Special Pocket	1.125"	
1.125"	Special Pocket	1.250"	
1.25"	Special Pocket	1.375"	
1.375"	Special Pocket	1.50"	
1.50"	Special Pocket	1.625"	
TYPE 9 AND 10 ASSA KITS			
0.1875" to 0.3125"	Standard Pocket	0.375"	
0.375" to 0.50"	Special Pocket	0.5625"	
0.5625" to 0.75"	Special Pocket	0.8125"	
0.8125" to 1.00"	Special Pocket	1.0625"	



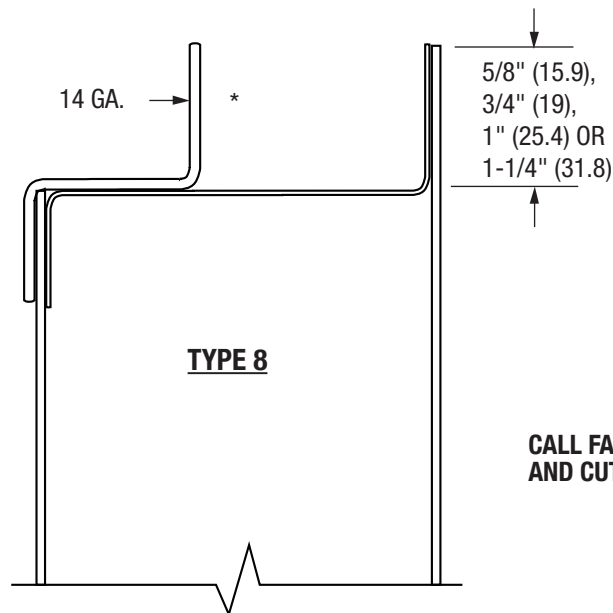
* POCKET SIZE 3/8" (9.5), 1/2" (12.7), 5/8" (15.9), 3/4" (19.1), 7/8" (22.2), FOR 1-3/4" (44.45) DOORS

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

CALL FACTORY FOR GLASS AND CUTOUT SIZE

GLASS THICKNESS PLUS.125 = POCKET

Glass Moulding Type 8



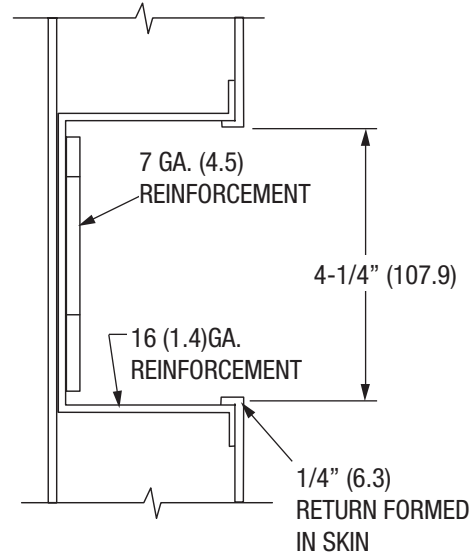
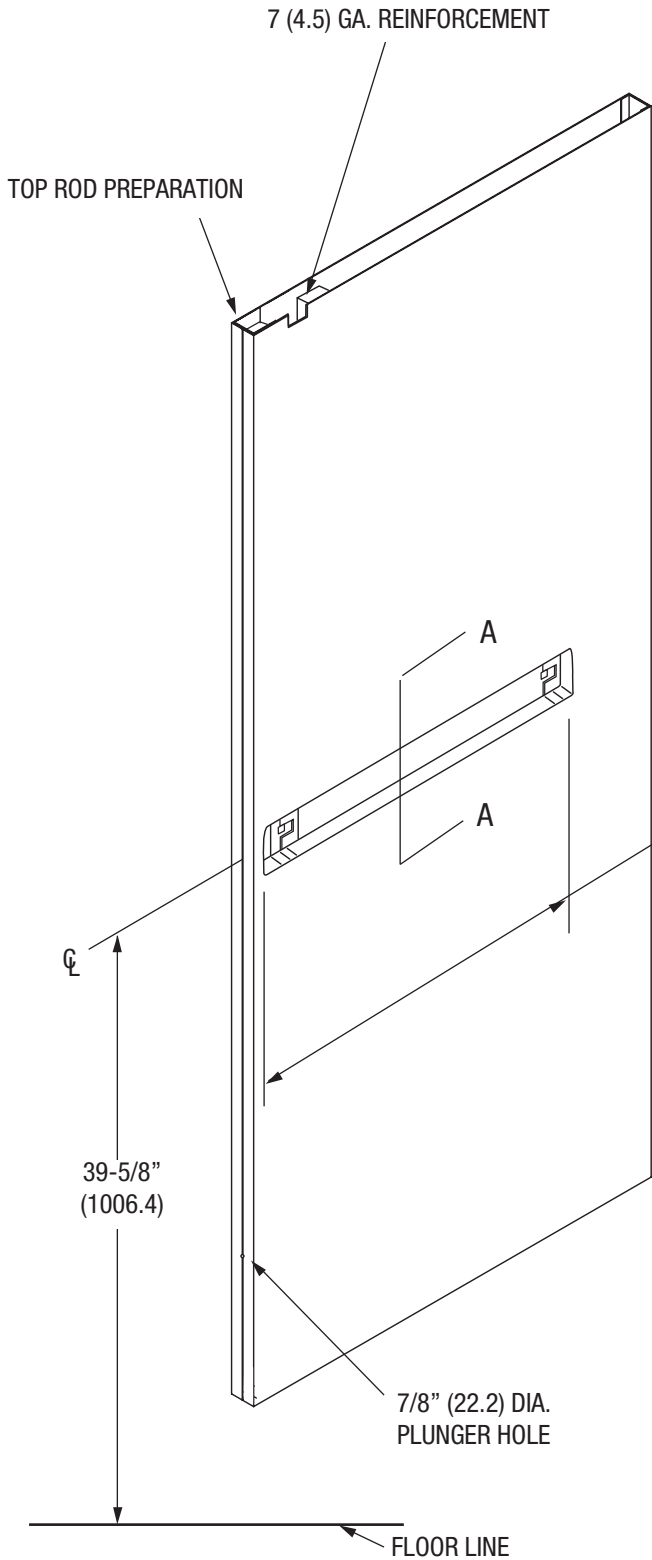
* POCKET SIZE 3/8" (9.5), THROUGH 1-5/8" (41.3) FOR 1-3/4" (44.5) DOORS

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

CALL FACTORY FOR GLASS AND CUTOUT SIZE

GLASS THICKNESS PLUS.125 = POCKET

June, 2004



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.

* 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



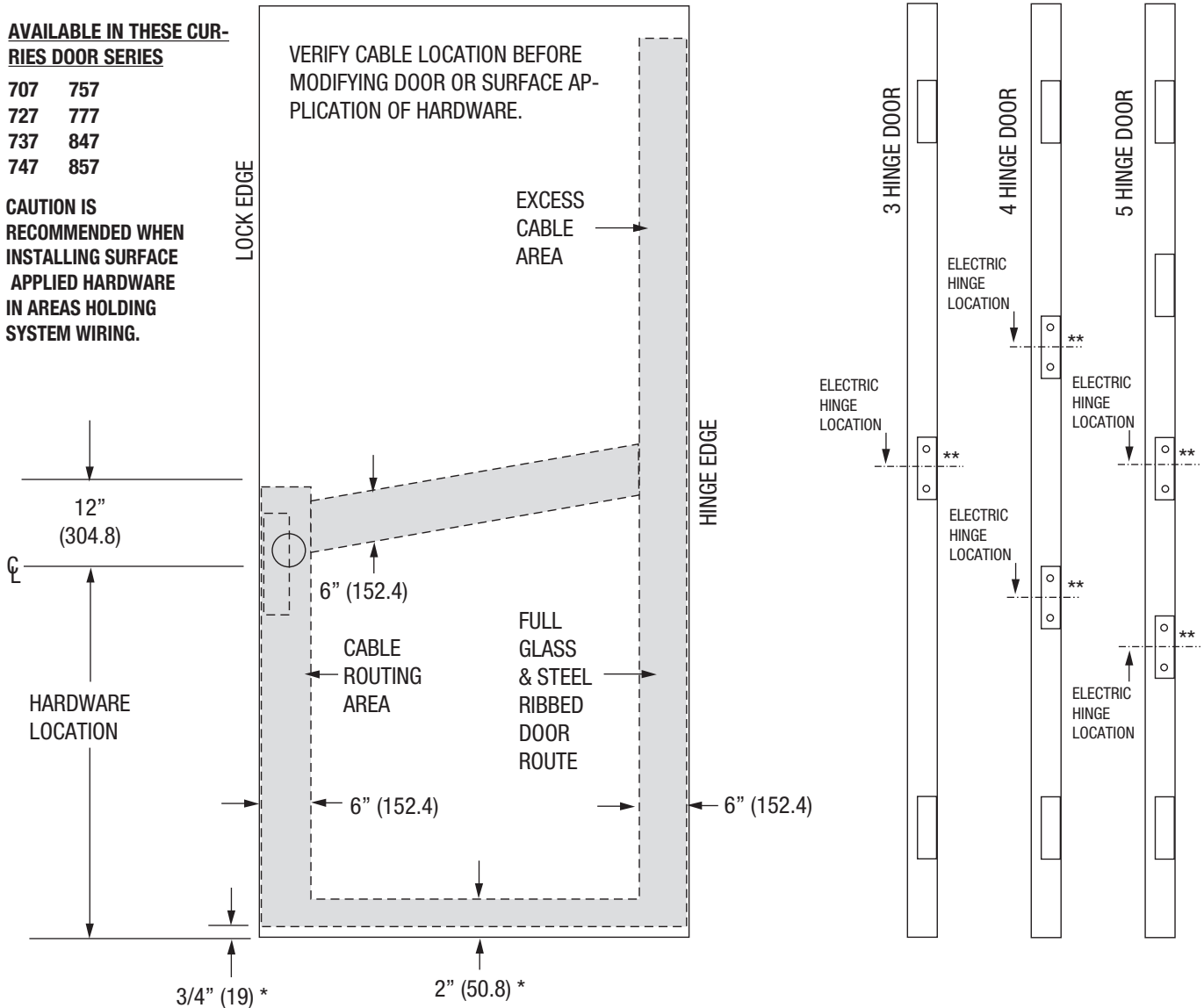
THE CURRIES ELECTROLYNX CABLE IS EQUIPPED WITH THE ELECTROLYNX SYSTEM OF PLUG IN CONNECTORS FOR FAST, EASY, CONNECTION TO SIMILARLY EQUIPPED ASSA ABLOY HARDWARE. THE ELECTROLYNX CABLE HAS 12 CONDUCTORS OF 22 GA. WIRE IN A JACKET, WITH ELECTROLYNX CONNECTORS ON THE HARDWARE PREP END ONLY. POWER OVER ETHERNET (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 ELECTOLYNX CABLES ARE REQUIRED.

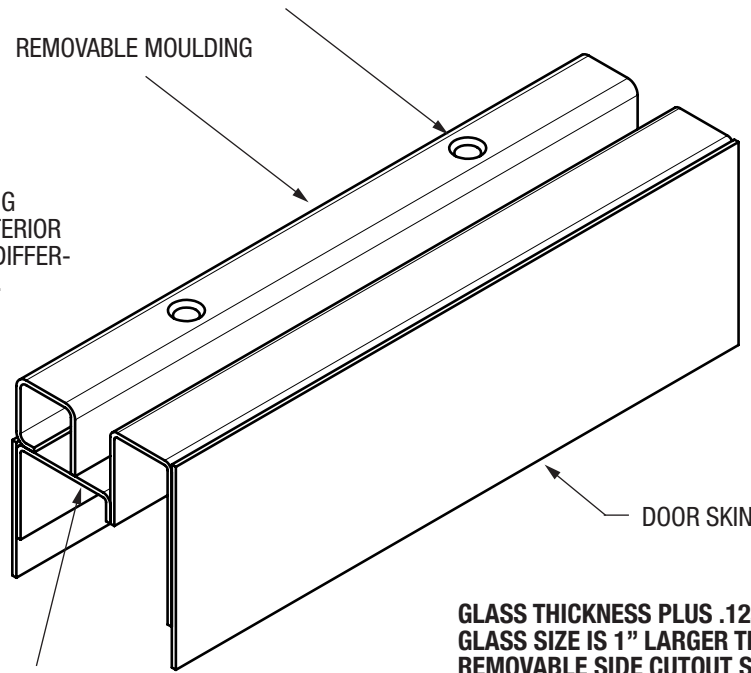


3/8" (9.5), 1/2" (12.7), AND 5/8" (15.8) POCKETS ONLY
 1-3/4" (44.5) DOORS ONLY

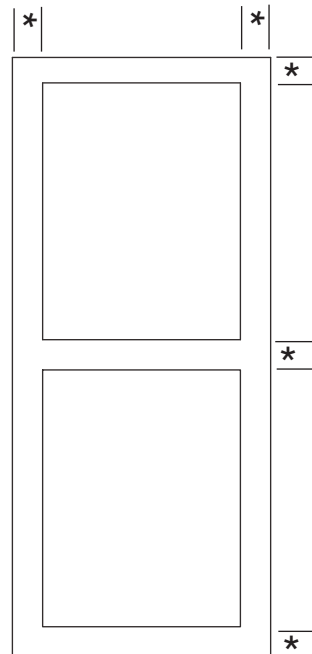
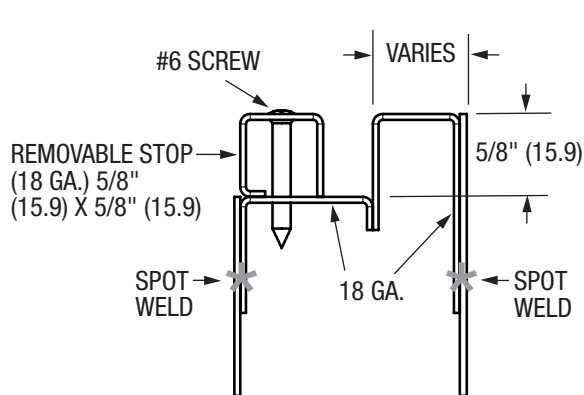
THIS SURFACE PUNCHED AND COUNTERSUNK, ON CENTER, FOR #6-20 OVAL HEAD SCREW.

REMOVABLE MOULDING

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



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

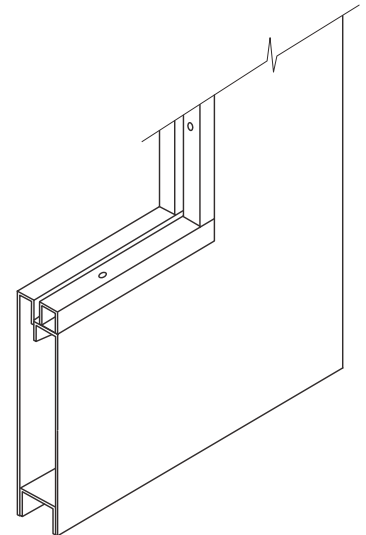
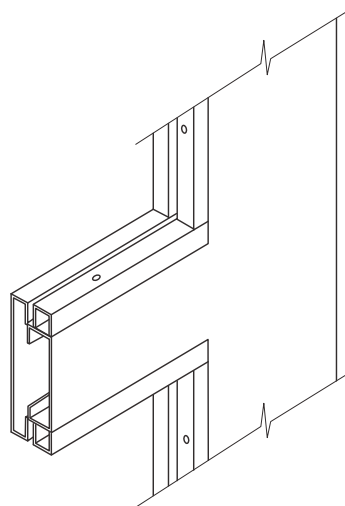
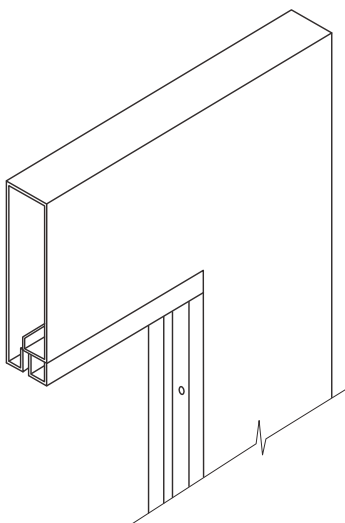
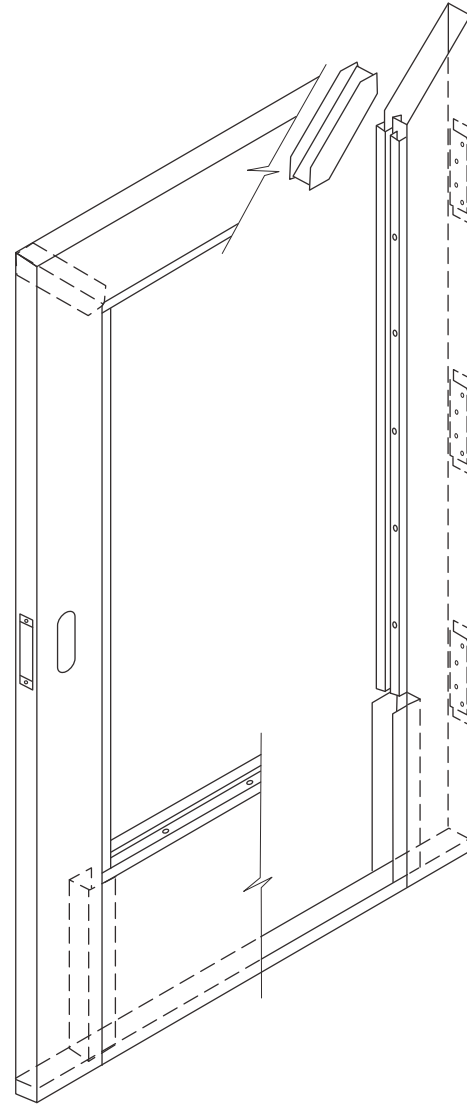


* 3-1/8" (79.3) MINIMUM STILE AND RAIL AVAILABLE WITH TYPE 11 MOULDING. "NO FIRE LISTING," LIMITED HARDWARE.



- 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



June, 2013

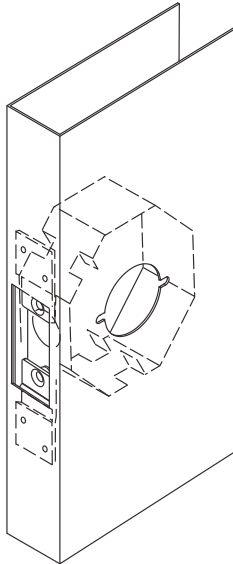


TOP RAIL – FLUSH SEAMLESS DESIGN, 5-5/8" RAIL STANDARD, 3-5/8" RAIL AND 7-5/8" OPTIONAL

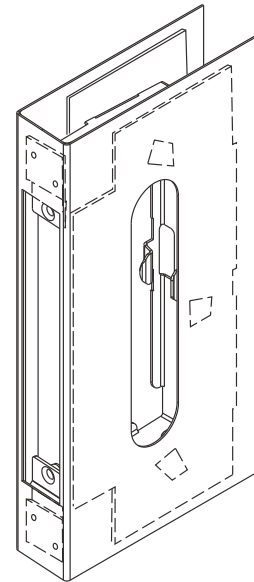
OPTIONAL CENTER RAIL – FLUSH SEAMLESS DESIGN, 5-5/8" RAIL STANDARD, 3-5/8" RAIL AND 7-5/8" OPTIONAL

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

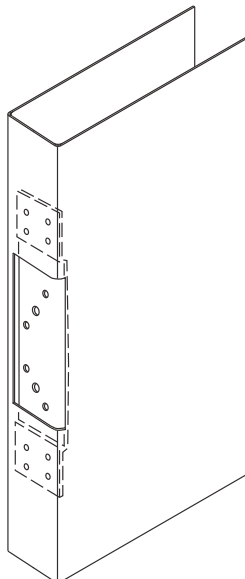
CYLINDRICAL LOCK
(ANSI A115.2)
2-3/4" BACKSET
GOV. 160/161



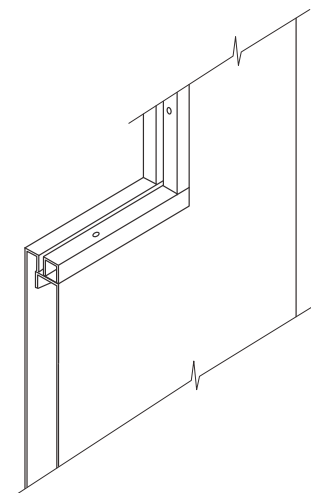
MORTISE LOCK
(ANSI A115.1)
2-3/4" BACKSET
GOV. 86



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

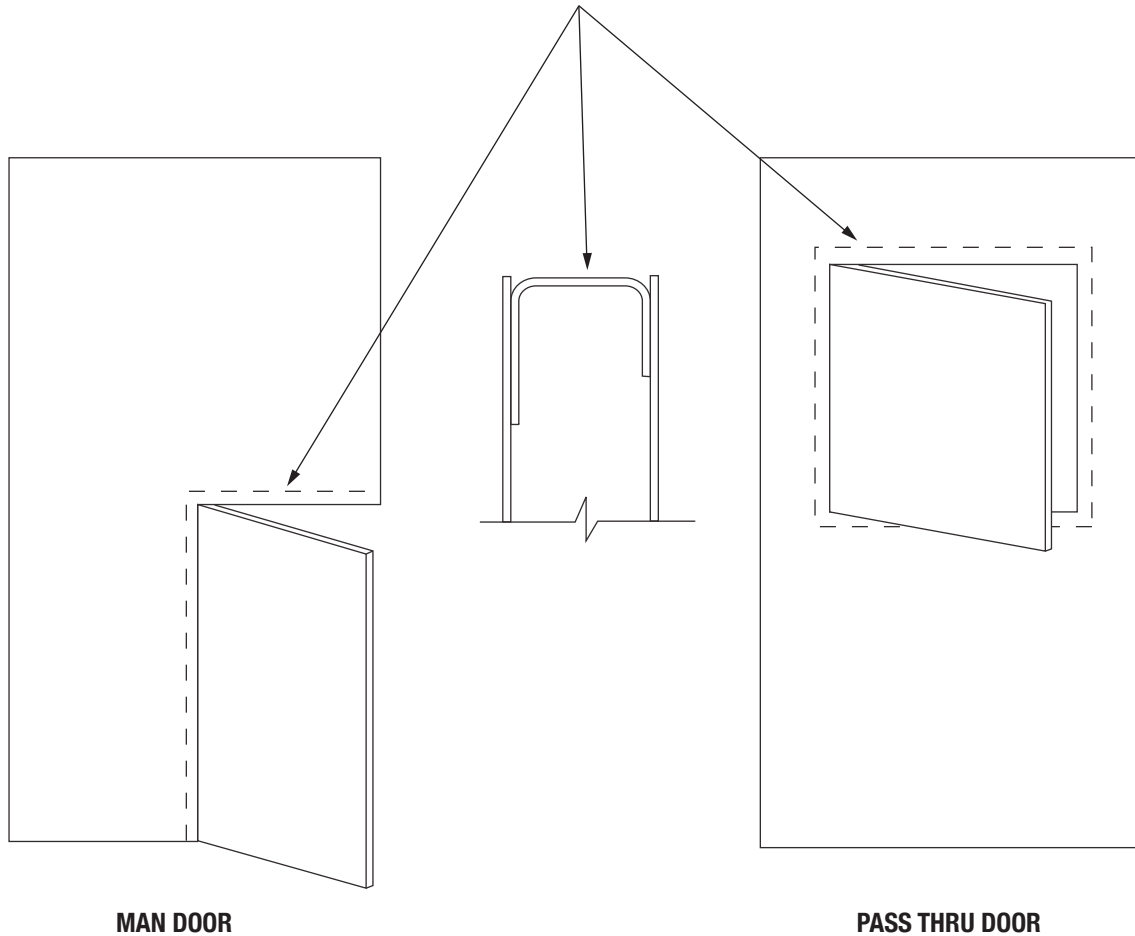


FLUSH GLAZING
INTEGRAL FLUSH GLAZING WITH
REMOVABLE GLASS BEAD



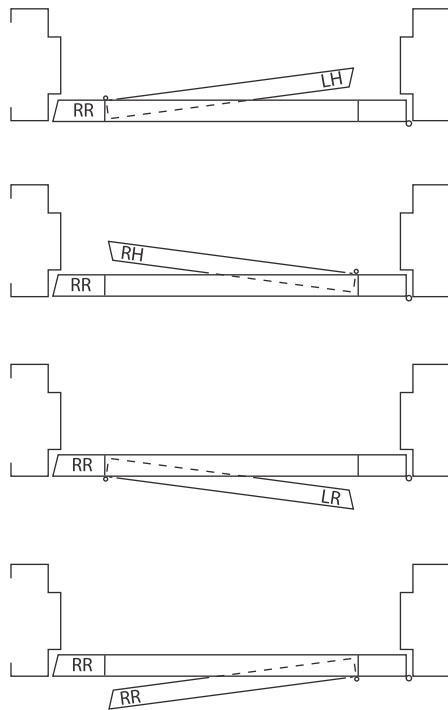
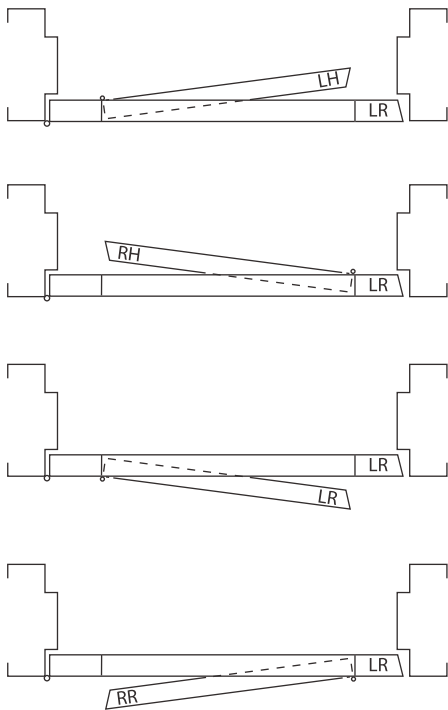
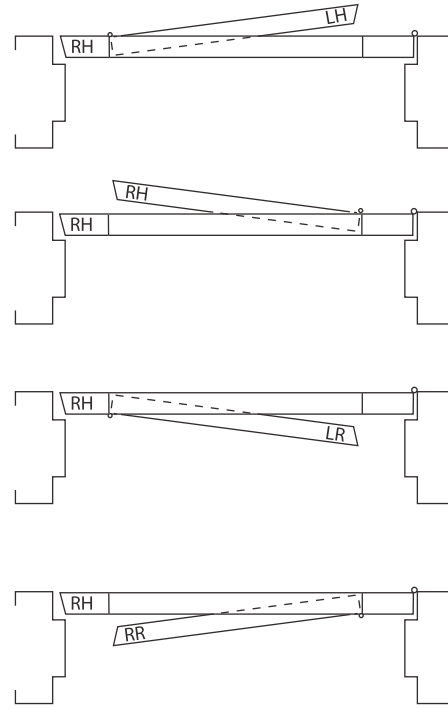
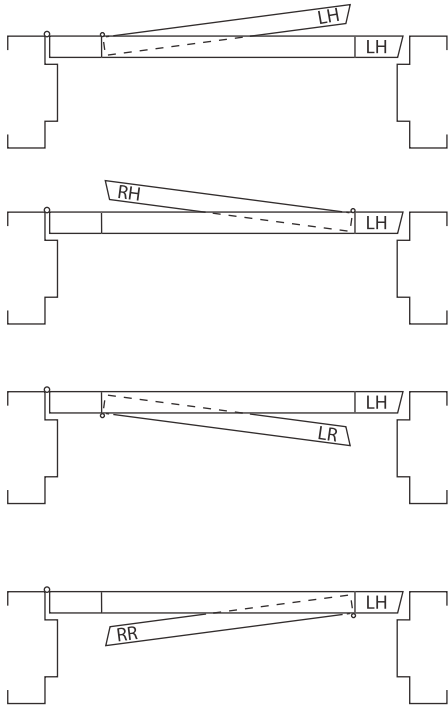


14 GA. (1.9) CHANNEL SURROUND FLUSH WITH SEAM EDGE NEXT TO SKINS



- 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.

April, 2006

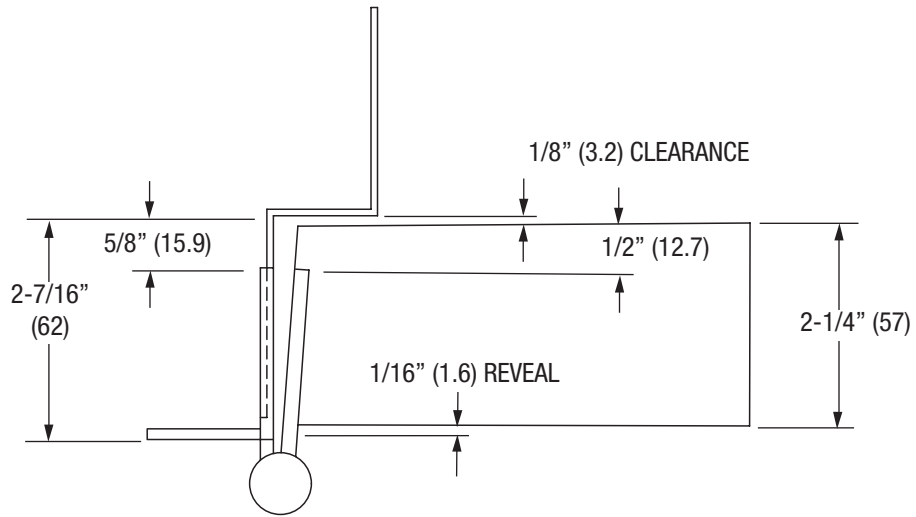




STANDARD HINGE BACKSET

2-1/4" DOOR

"G" BEVEL DOOR SHOWN

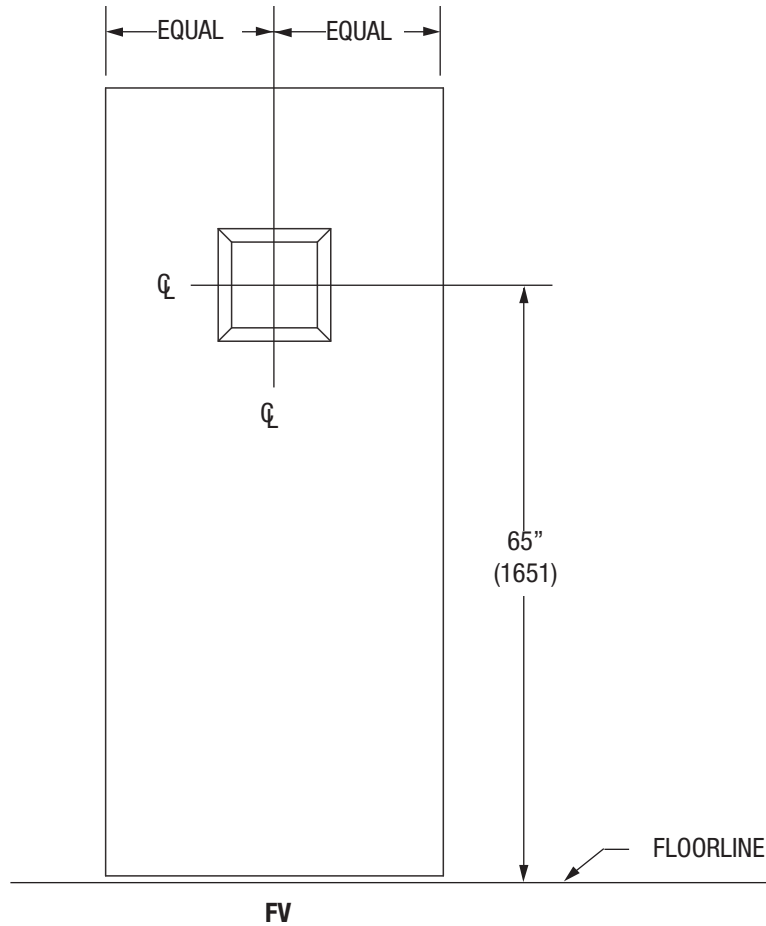


NOTE: TYPE 3 AND 4 CONCEALED MOULDING ONLY

February, 2010



Type 9 & 10 Window Moulding

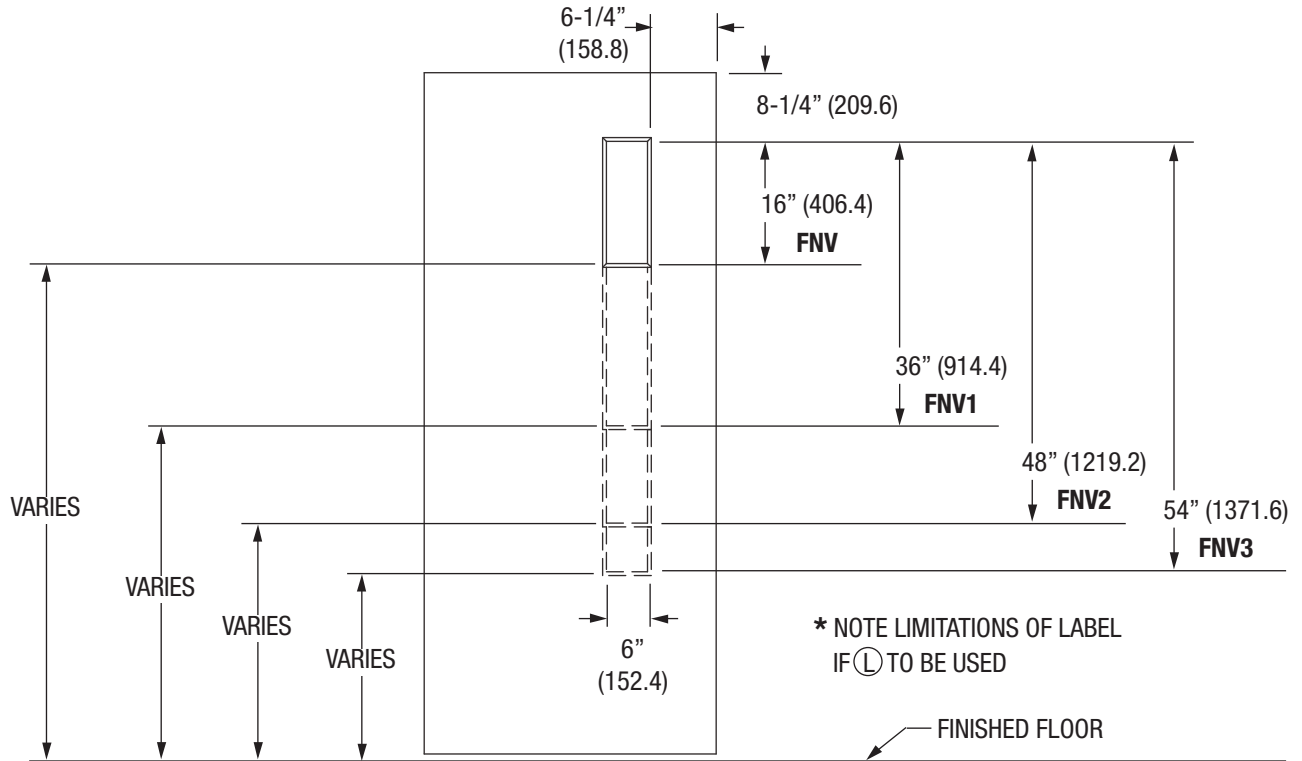


FV	10" (254) X 10" (254)
FV1	12" (304.8) X 12" (304.8)

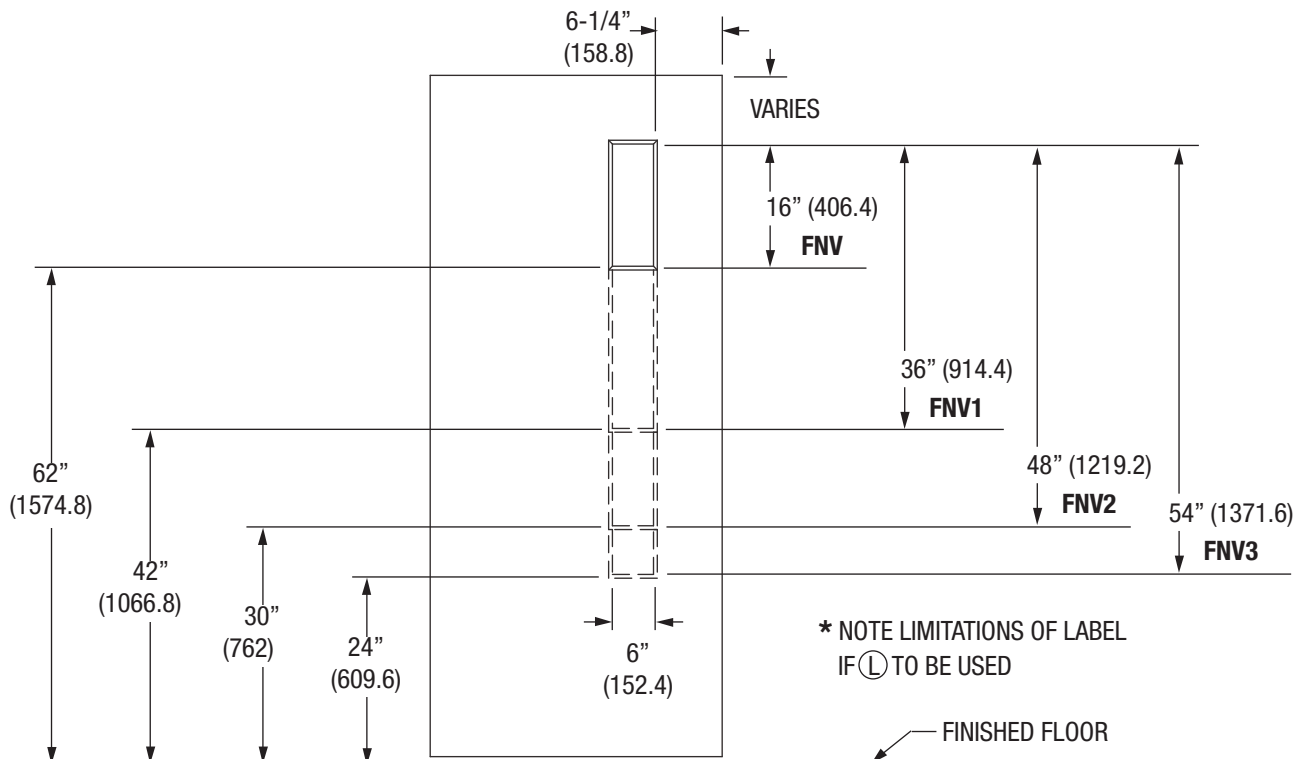
Type 9 & 10 Window Moulding



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



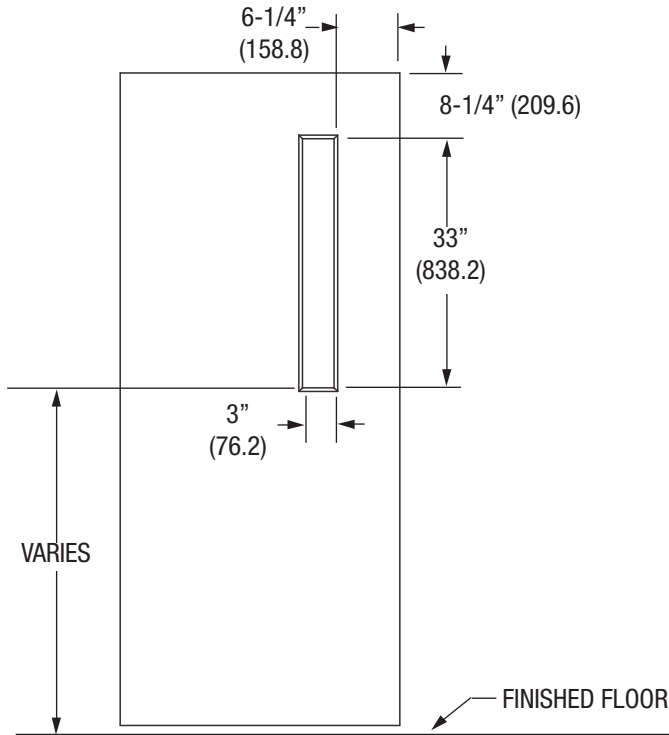
STANDARD LOCATIONS FOR DOORS OVER 7'2" (2184.4)



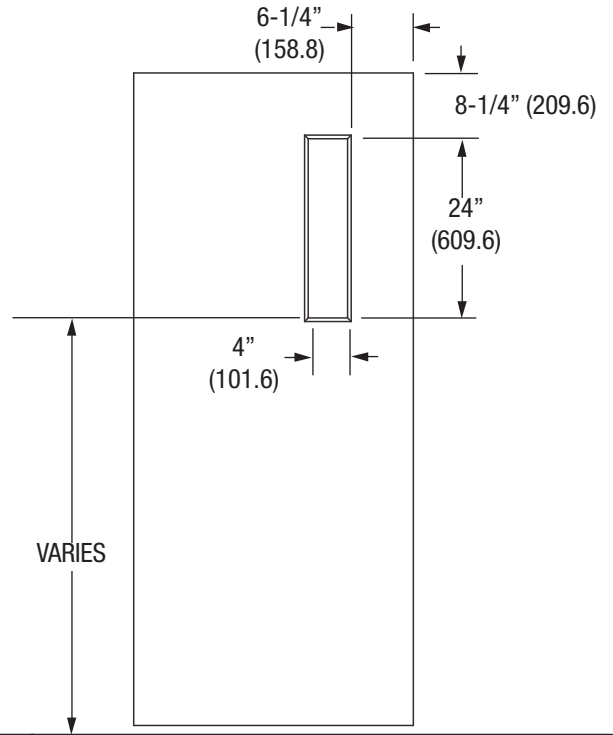
February, 2009



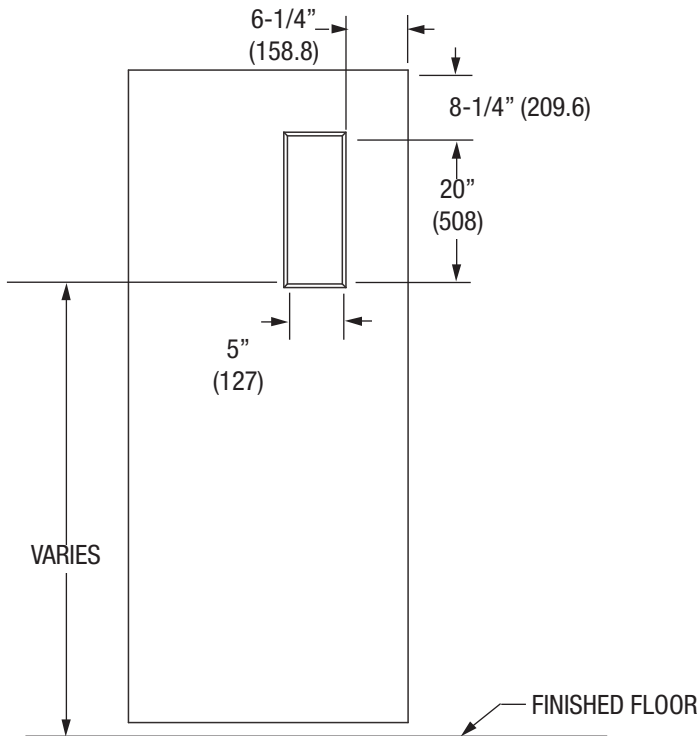
Type 9 & 10 Window Moulding



FNV4



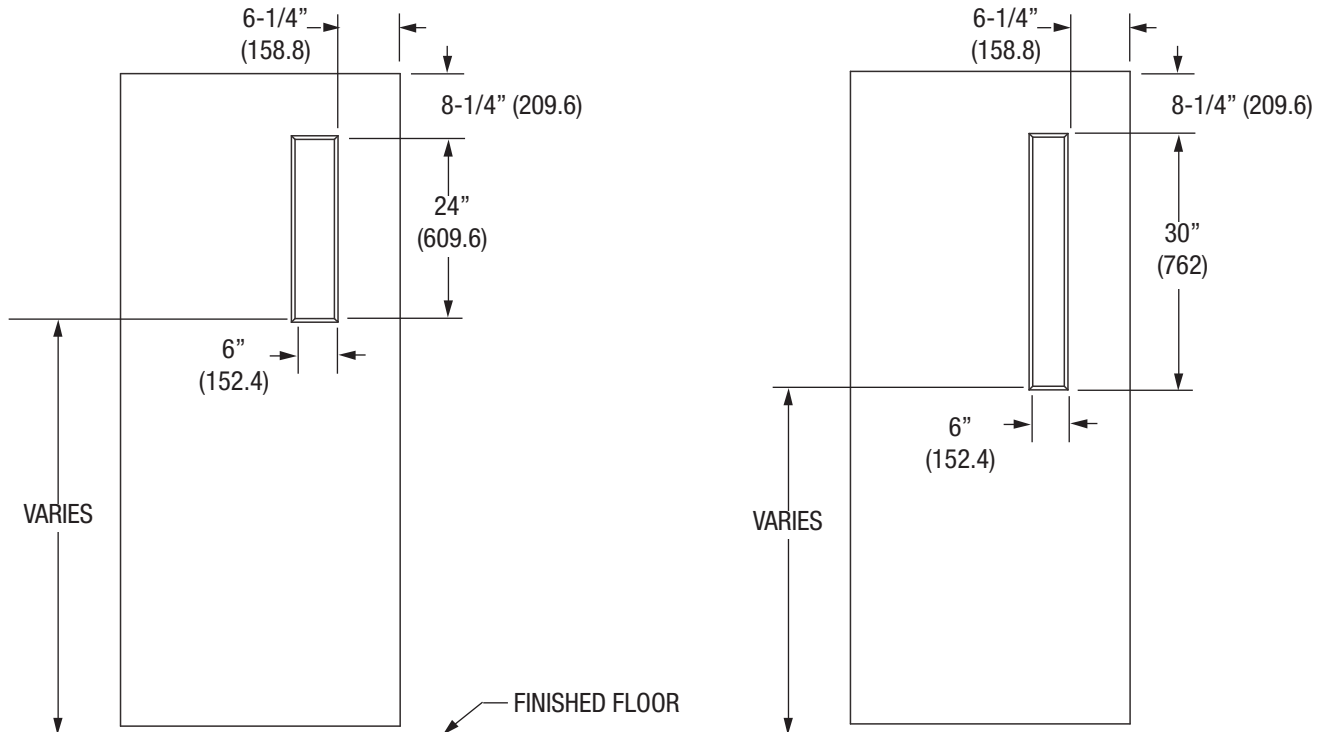
FNV5



FNV6

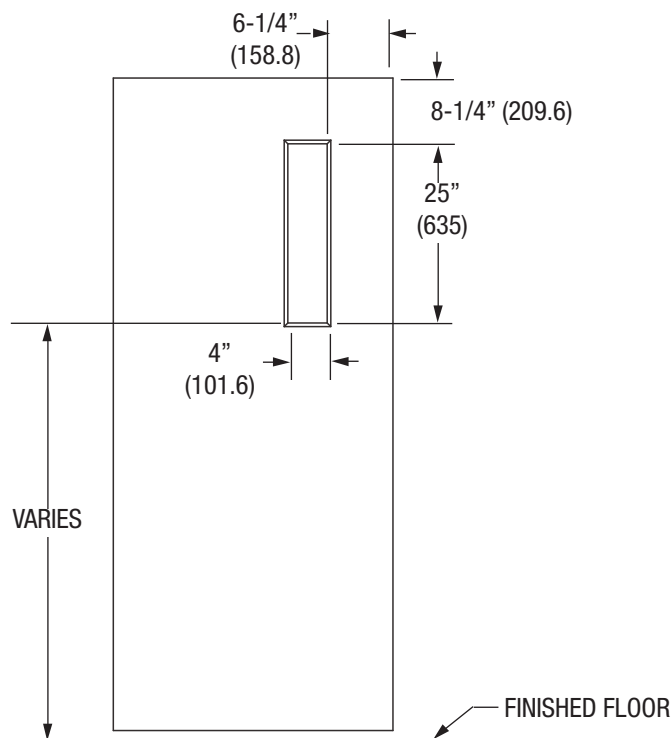
**STANDARD LOCATIONS FOR
DOORS 7'2" (2184.4) AND UNDER**

Type 9 & 10 Window Moulding



FNV7

FNV8



FNV9

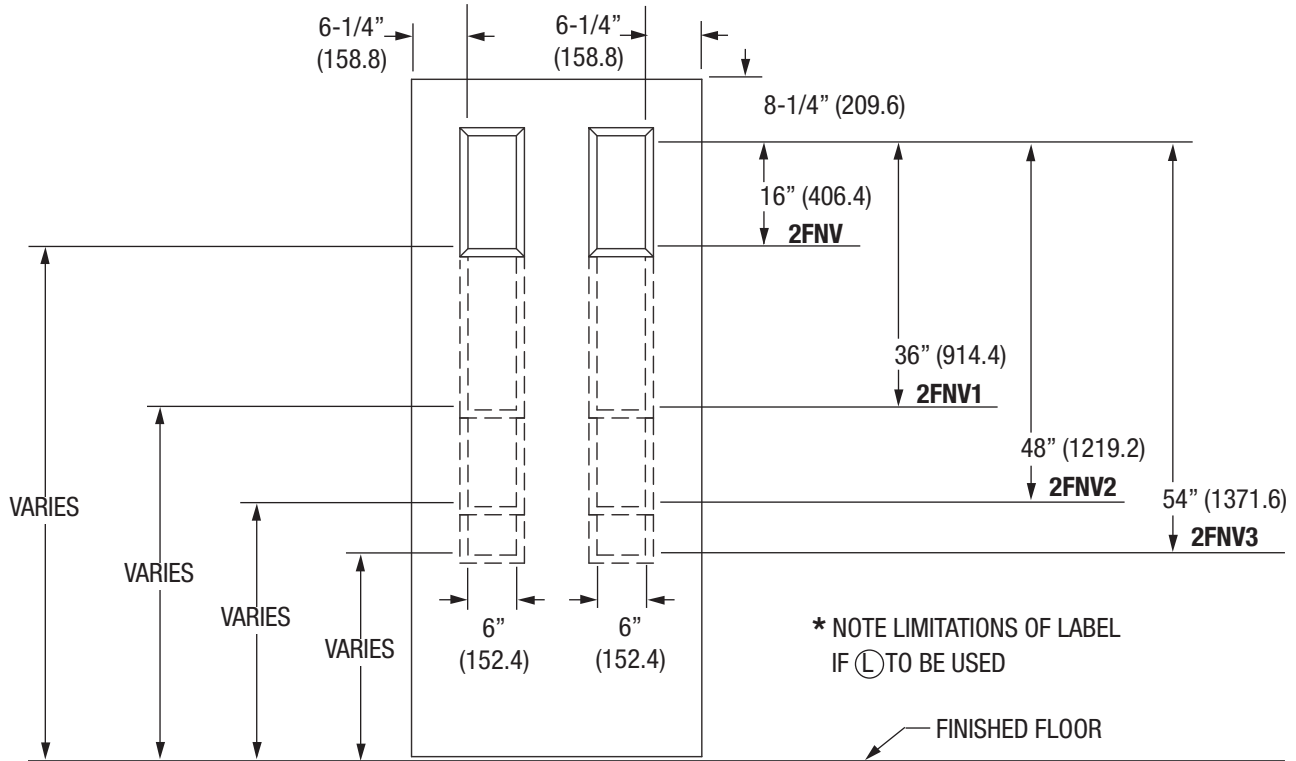
**STANDARD LOCATIONS FOR
DOORS 7'2" (2184.4) AND UNDER**

February, 2009

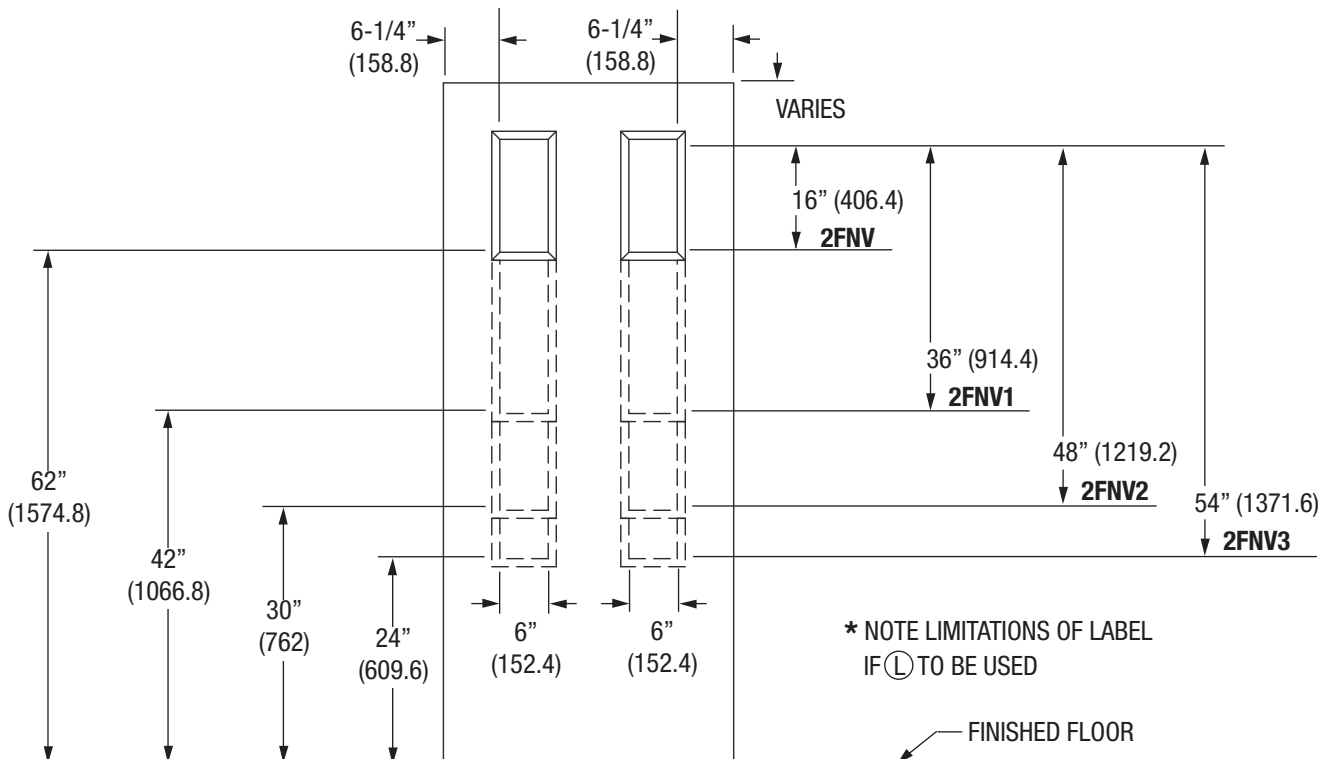
Type 9 & 10 Window Moulding



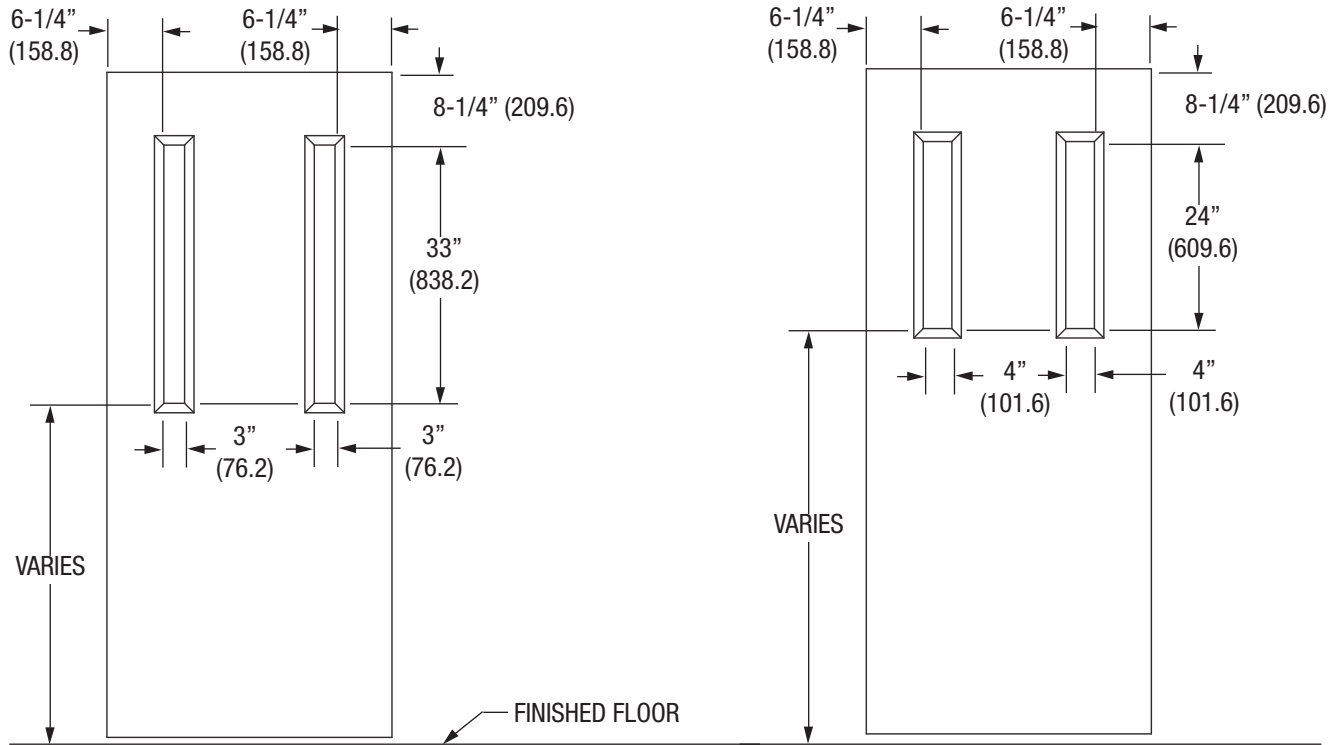
STANDARD LOCATIONS FOR DOORS 7'2" (2184.4) AND UNDER



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

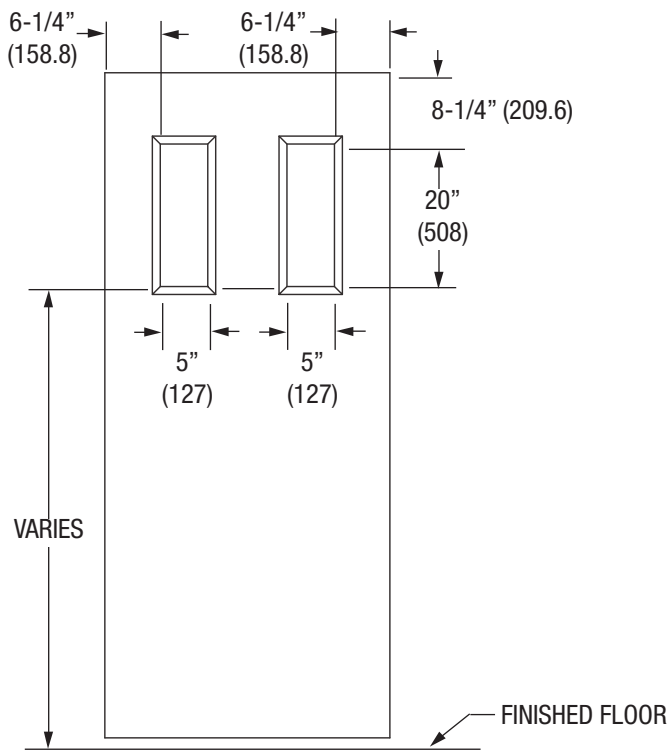


Type 9 & 10 Window Moulding



*** 2FNV4**

*** 2FNV5**



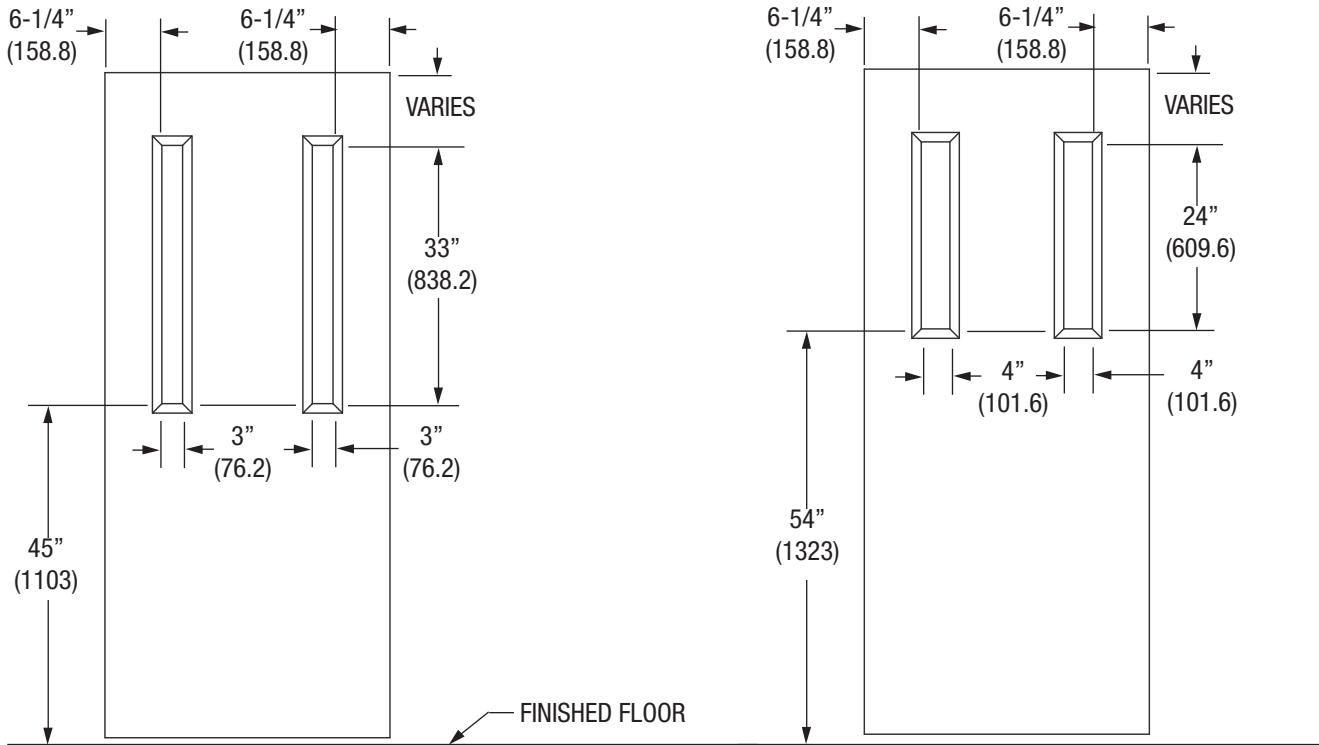
*** 2FNV6**

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

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

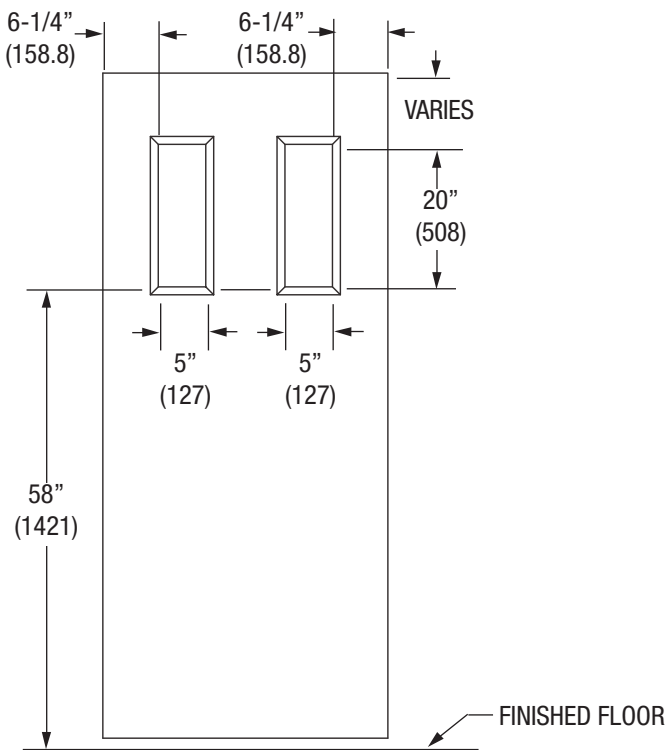
February, 2009

Type 9 & 10 Window Moulding



*** 2FNV4**

*** 2FNV5**

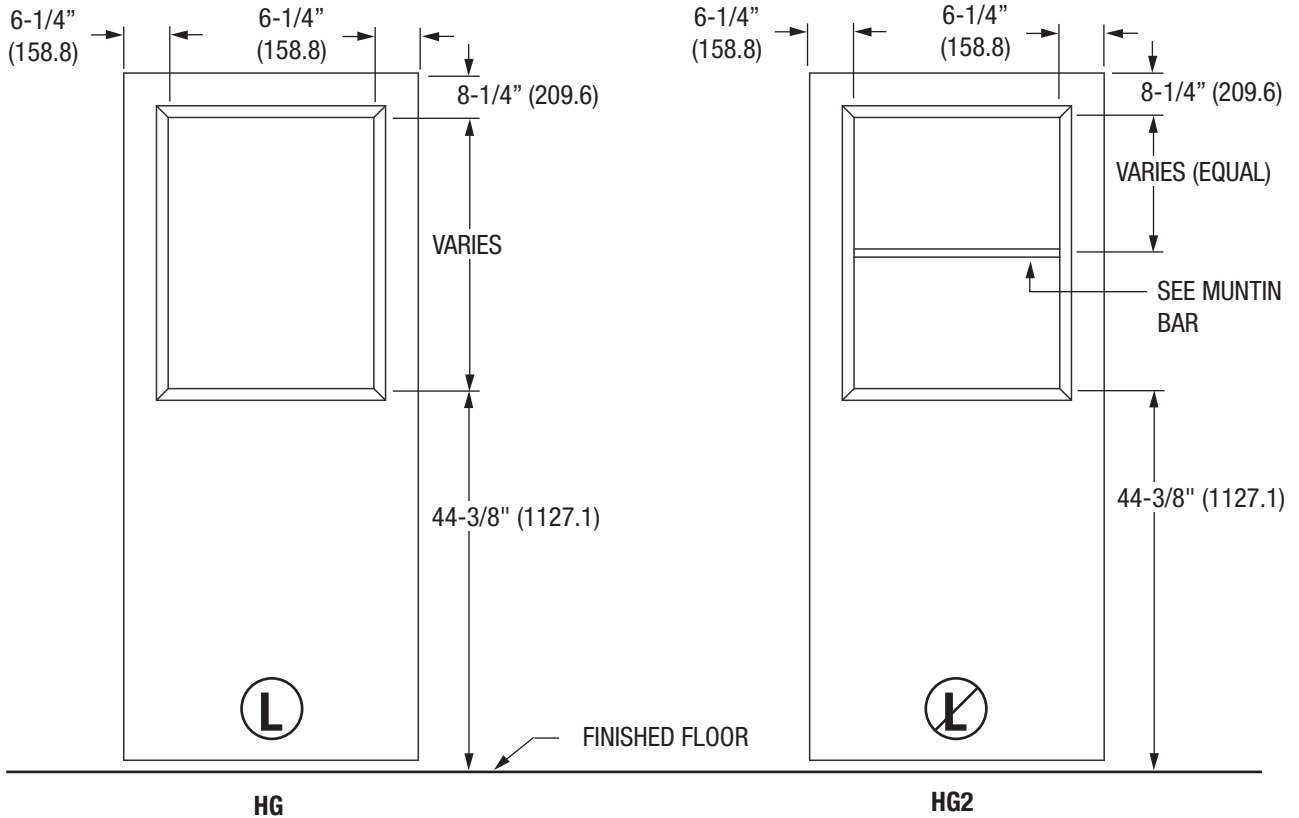


*** 2FNV6**

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

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

Type 9 & 10 Window Moulding



DOOR WIDTH	VISIBLE WIDTH	DOOR HEIGHT	VISIBLE HEIGHT
2'0" (609.6)	11-5/16" (287.3)		
2'4" (711.2)	15-5/16" (388.9)		
2'6" (762)	17-5/16" (439.7)	6'8" (2032)	27-1/4" (692.1)
2'8" (812.8)	19-5/16" (490.5)		
2'10" (863.6)	21-5/16" (541.3)		
3'0" (914.4)	23-5/16" (592.1)	7'0" (2133.6)	31-1/4" (793.8)
3'4" (1016)	27-5/16" (693.7)		
3'6" (1066.8)	29-5/16" (744.5)		
3'8" (1117.6)	31-5/16" (795.3)	7'2" (2184.4)	33-1/4" (844.6)
3'10" (1168.4)	33-5/16" (846.1)		
4'0" (1219.2)	35-5/16" (896.9)		

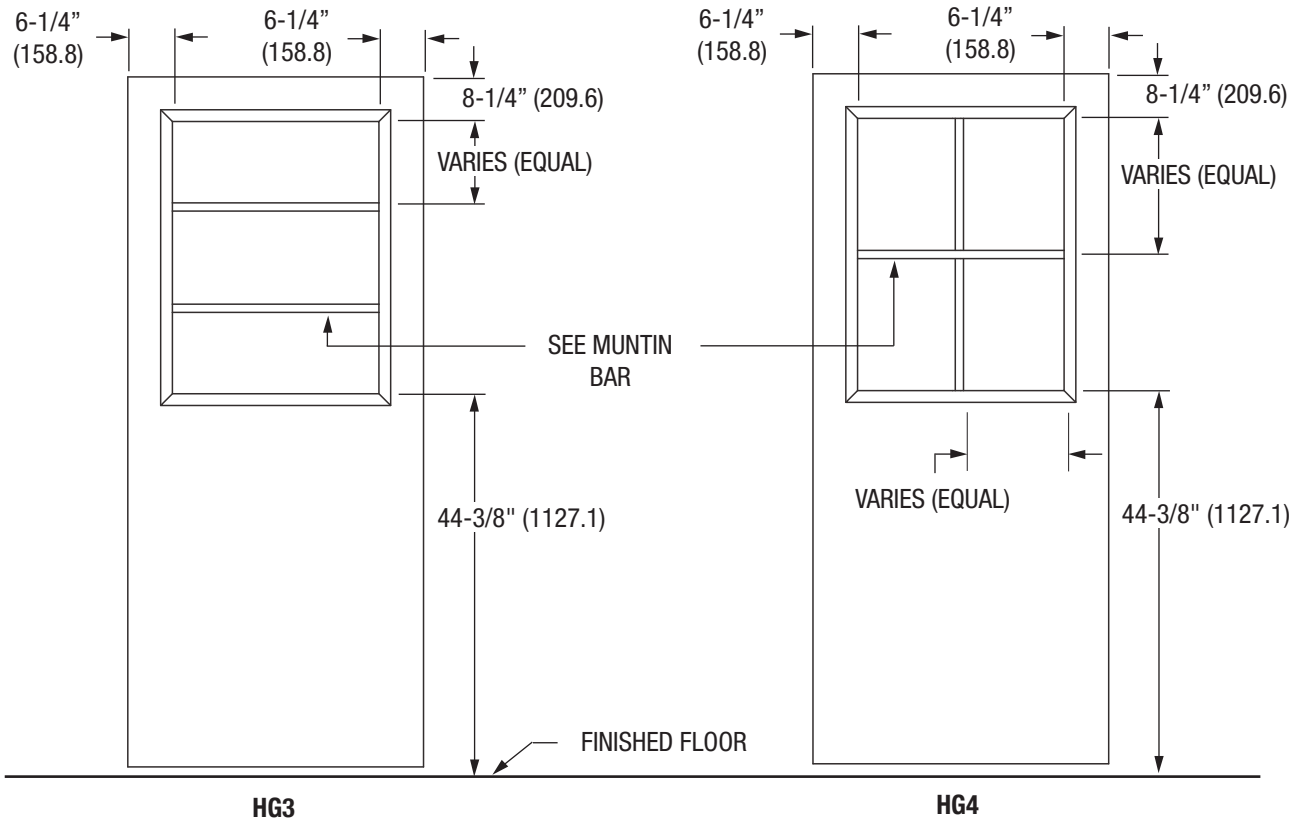
DOOR WIDTH	VISIBLE WIDTH	DOOR HEIGHT	VISIBLE HEIGHT
2'0" (609.6)	11-5/16" (287.3)		
2'4" (711.2)	15-5/16" (388.9)		
2'6" (762)	17-5/16" (439.7)	6'8" (2032)	13-3/16" (335)
2'8" (812.8)	19-5/16" (490.5)		
2'10" (863.6)	21-5/16" (541.3)		
3'0" (914.4)	23-5/16" (592.1)	7'0" (2133.6)	15-3/16" (385.8)
3'4" (1016)	27-5/16" (693.7)		
3'6" (1066.8)	29-5/16" (744.5)		
3'8" (1117.6)	31-5/16" (795.3)	7'2" (2184.4)	16-3/16" (411.2)
3'10" (1168.4)	33-5/16" (846.1)		
4'0" (1219.2)	35-5/16" (896.9)		

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).

May, 2014



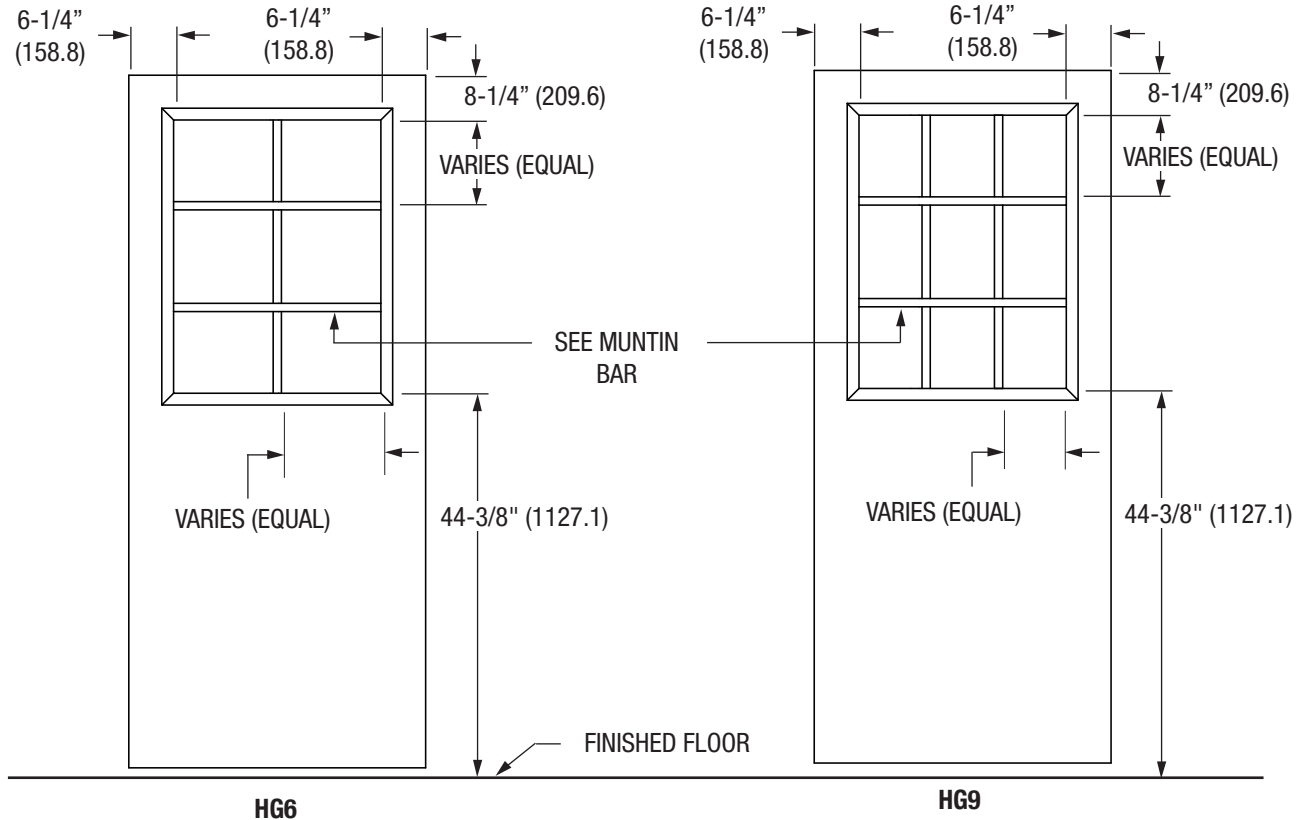
Type 9 & 10 Window Moulding



DOOR WIDTH	VISIBLE WIDTH	DOOR HEIGHT	VISIBLE HEIGHT	DOOR WIDTH	VISIBLE WIDTH	DOOR HEIGHT	VISIBLE HEIGHT
2'0" (609.6)	11-5/16" (287.3)			2'0" (609.6)	5-7/32" (132.6)		
2'4" (711.2)	15-5/16" (388.9)			2'4" (711.2)	7-7/32" (183.4)		
2'6" (762)	17-5/16" (439.7)	6'8" (2032)	8-1/2" (215.9)	2'6" (762)	8-7/32" (208.8)	6'8" (2032)	13-3/16" (335)
2'8" (812.8)	19-5/16" (490.5)			2'8" (812.8)	9-7/32" (234.2)		
2'10" (863.6)	21-5/16" (541.3)			2'10" (863.6)	10-7/32" (259.6)		
3'0" (914.4)	23-5/16" (592.1)	7'0" (2133.6)	9-53/64" (249.6)	3'0" (914.4)	11-7/32" (285)	7'0" (2133.6)	15-3/16" (385.8)
3'4" (1016)	27-5/16" (693.7)			3'4" (1016)	13-7/32" (335.8)		
3'6" (1066.8)	29-5/16" (744.5)			3'6" (1066.8)	14-7/32" (361.2)		
3'8" (1117.6)	31-5/16" (795.3)	7'2" (2184.4)	10-1/2" (266.7)	3'8" (1117.6)	15-7/32" (386.6)	7'2" (2184.4)	16-3/16" (411.16)
3'10" (1168.4)	33-5/16" (846.1)			3'10" (1168.4)	16-7/32" (412)		
4'0" (1219.2)	35-5/16" (896.9)			4'0" (1219.2)	17-7/32" (437.4)		

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 9 & 10 Window Moulding



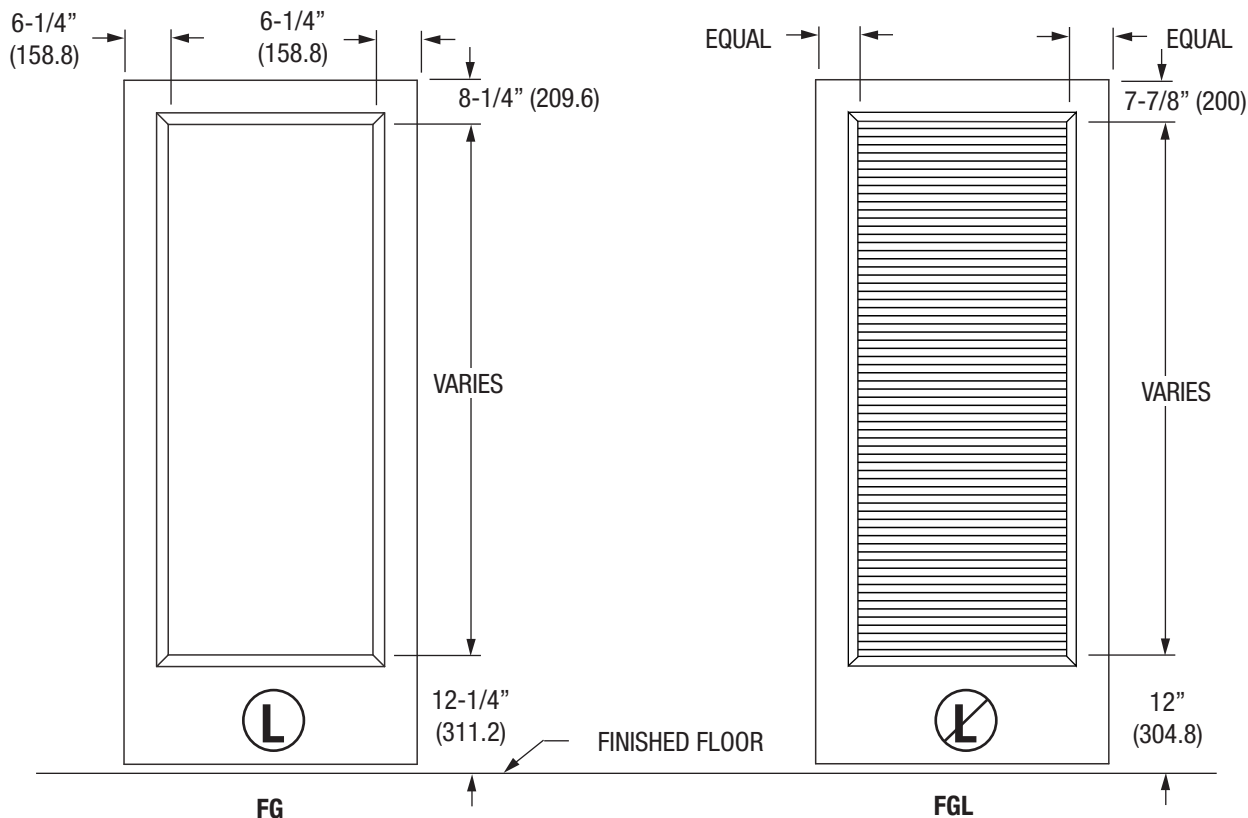
DOOR WIDTH	VISIBLE WIDTH	DOOR HEIGHT	VISIBLE HEIGHT
2'0" (609.6)	5-7/32" (132.6)		
2'4" (711.2)	7-7/32" (183.4)		
2'6" (762)	8-7/32" (208.8)	6'8" (2032)	8-1/2" (215.9)
2'8" (812.8)	9-7/32" (234.2)		
2'10" (863.6)	10-7/32" (259.6)		
3'0" (914.4)	11-7/32" (285)	7'0" (2133.6)	9-53/64" (250)
3'4" (1016)	13-7/32" (335.8)		
3'6" (1066.8)	14-7/32" (361.2)		
3'8" (1117.6)	15-7/32" (386.6)	7'2" (2184.4)	10-1/2" (266.7)
3'10" (1168.4)	16-7/32" (412)		
4'0" (1219.2)	17-7/32" (437.4)		

DOOR WIDTH	VISIBLE WIDTH	DOOR HEIGHT	VISIBLE HEIGHT
2'0" (609.6)	3-9/64" (79.8)		
2'4" (711.2)	4-29/64" (113.1)		
2'6" (762)	5-9/64" (130.6)	6'8" (2032)	8-1/2" (215.9)
2'8" (812.8)	5-53/64" (148)		
2'10" (863.6)	6-29/64" (164)		
3'0" (914.4)	7-9/64" (181.4)	7'0" (2133.6)	9-53/64" (249.6)
3'4" (1016)	8-29/64" (214.7)		
3'6" (1066.8)	9-9/64" (232.2)		
3'8" (1117.6)	5-53/64" (148)	7'2" (2184.4)	10-1/2" (266.7)
3'10" (1168.4)	10-29/64" (265.5)		
4'0" (1219.2)	11-9/64" (283)		

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).

February, 2009

Type 9 & 10 Window Moulding

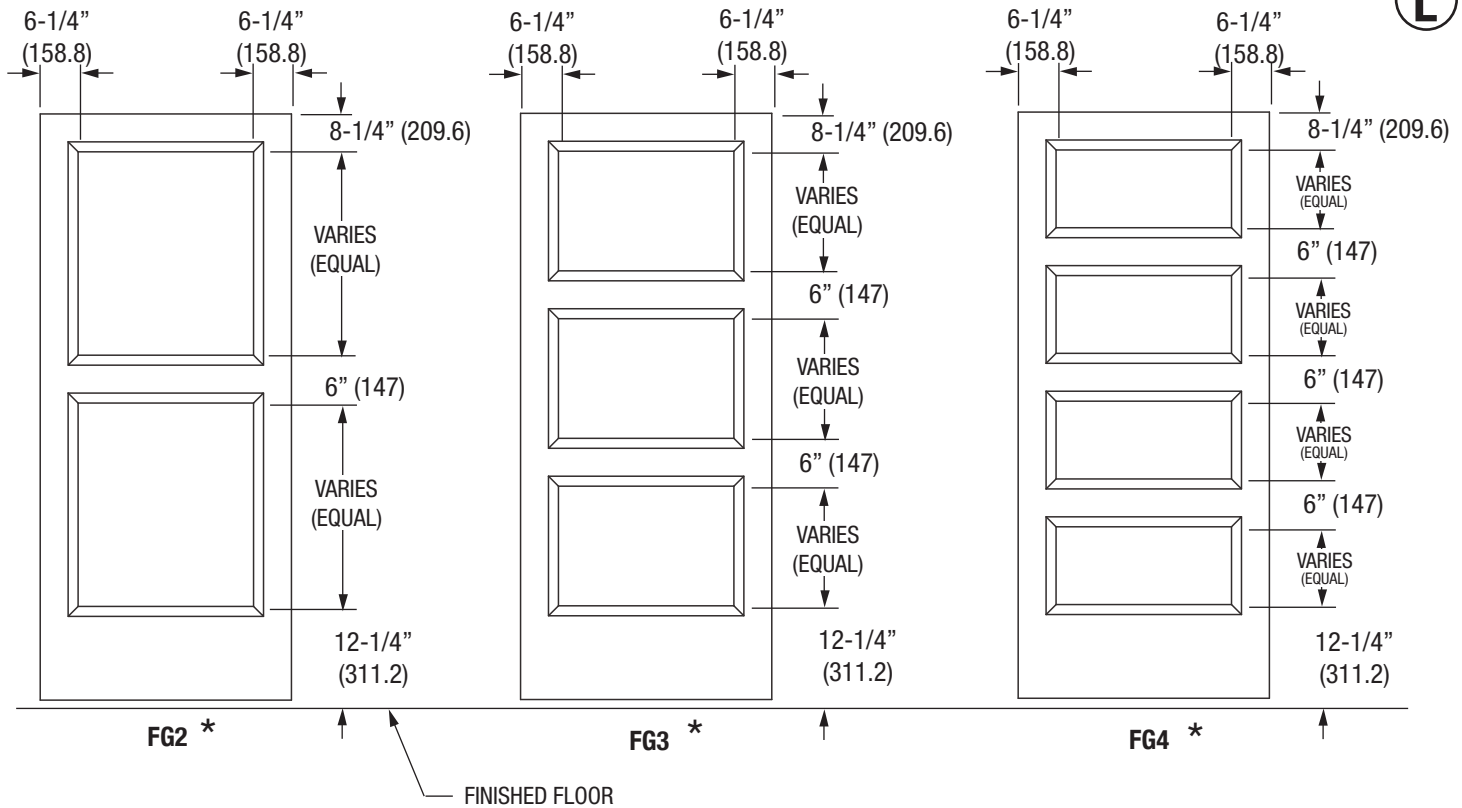


DOOR WIDTH	VISIBLE WIDTH	DOOR HEIGHT	VISIBLE HEIGHT
2'0" (609.6)	11-5/16" (287.3)		
2'4" (711.2)	15-5/16" (388.9)		
2'6" (762)	17-5/16" (439.7)	6'8" (2032)	59-3/8" (1508.1)
2'8" (812.8)	19-5/16" (490.5)		
2'10" (863.6)	21-5/16" (541.3)		
3'0" (914.4)	23-5/16" (592.1)	7'0" (2133.6)	63-3/8" (1609.7)
3'4" (1016)	27-5/16" (693.7)		
3'6" (1066.8)	29-5/16" (744.5)		
3'8" (1117.6)	31-5/16" (795.3)	7'2" (2184.4)	65-3/8" (1660.5)
3'10" (1168.4)	33-5/16" (846.1)		
4'0" (1219.2)	35-5/16" (896.9)		

DOOR WIDTH	VISIBLE WIDTH	DOOR HEIGHT	VISIBLE HEIGHT
2'0" (609.6)	12" (304.8)		
2'4" (711.2)	16" (406.4)		
2'6" (762)	18" (457.2)	6'8" (2032)	60" (1524)
2'8" (812.8)	20" (508)		
2'10" (863.6)	22" (558.8)		
3'0" (914.4)	24" (609.6)	7'0" (2133.6)	64" (1625.6)
3'4" (1016)	28" (711.6)		
3'6" (1066.8)	30" (762)		
3'8" (1117.6)	32" (812.8)	7'2" (2184.4)	66" (1676.4)
3'10" (1168.4)	34" (863.6)		
4'0" (1219.2)	36" (914.4)		

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 9 & 10 Window Moulding



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

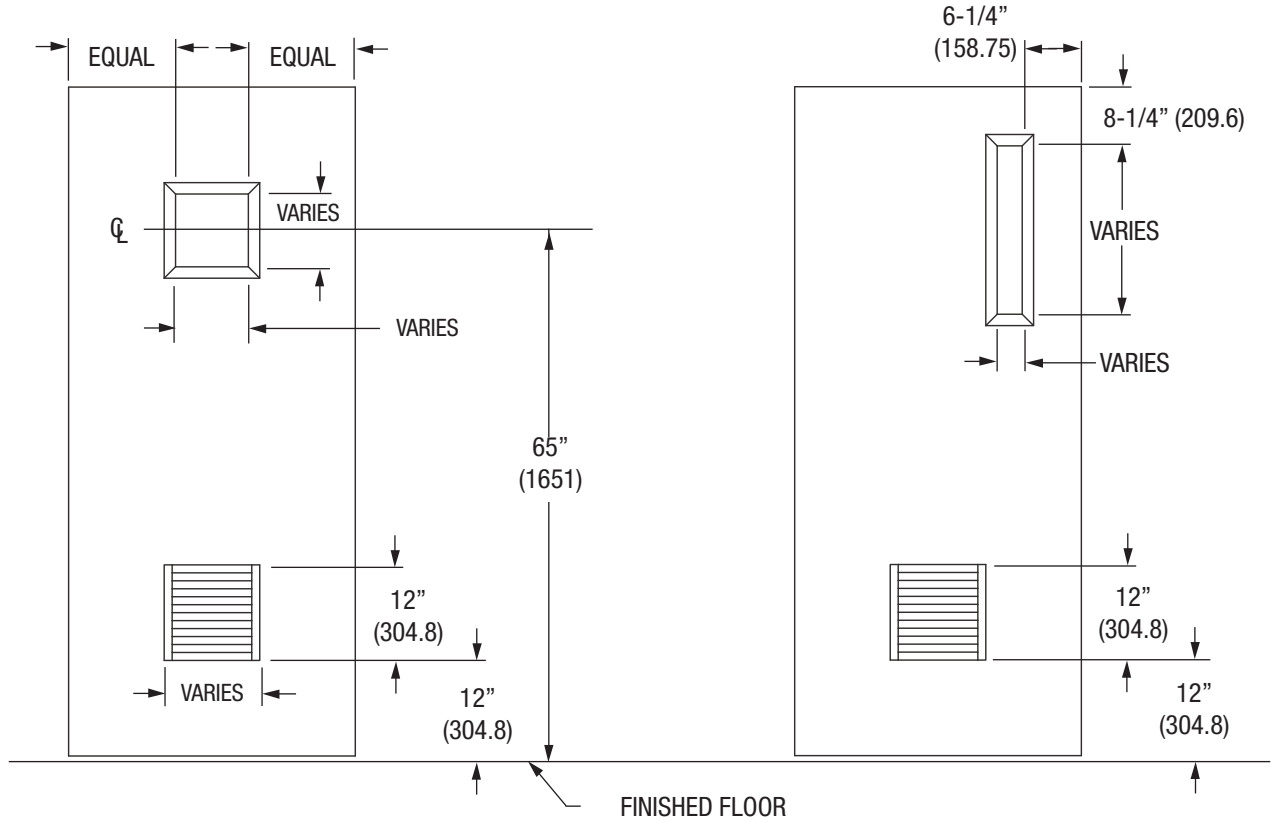
FG2		FG3		FG4			
DOOR WIDTH	VISIBLE WIDTH	DOOR HEIGHT	VISIBLE HEIGHT	DOOR HEIGHT	VISIBLE HEIGHT	DOOR HEIGHT	VISIBLE HEIGHT
2'0" (609.6)	11-5/16" (287.3)						
2'4" (711.2)	15-5/16" (388.9)						
2'6" (762)	17-5/16" (439.7)	6'8" (2032)	26-11/16" (653.8)	6'8" (2032)	15-13/16" (401.6)	6'8" (2032)	10-3/8" (263.5)
2'8" (812.8)	19-5/16" (490.5)						
2'10" (863.6)	21-5/16" (541.3)						
3'0" (914.4)	23-5/16" (592.1)	7'0" (2133.6)	28-11/16" (702.8)	7'0" (2133.6)	17-1/8" (435)	7'0" (2133.6)	11-3/8" (288.9)
3'4" (1016)	27-5/16" (693.7)						
3'6" (1066.8)	29-5/16" (744.5)						
3'8" (1117.6)	31-5/16" (795.3)	7'2" (2184.4)	29-11/16" (727.3)	7'2" (2184.4)	15-13/16" (401.6)	7'2" (2184.4)	11-7/8" (301.6)
3'10" (1168.4)	33-5/16" (846.1)						
4'0" (1219.2)	35-5/16" (896.9)						

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).

May, 2012



Type 9 & 10 Window Moulding



FVL

- FV = FULL VISION STANDARDS
- L = LOUVER STANDARDS

FNVL

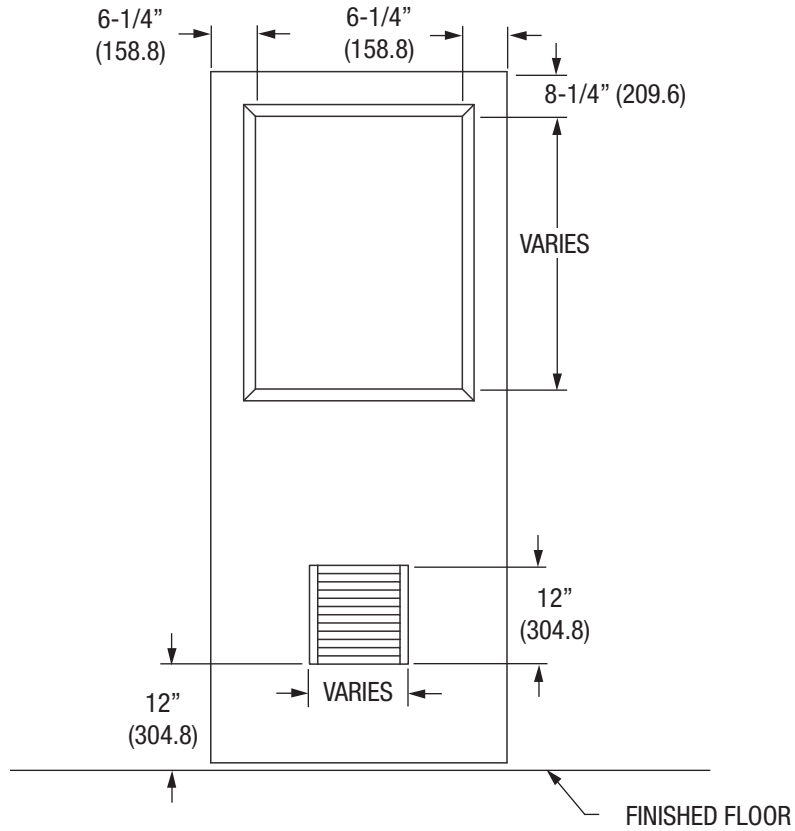
- FNV = FULL NARROW VISION STANDARDS
- L = LOUVER STANDARDS

EXAMPLE: FV1L2
 12" X 12" (305 X 305) FULL VISION LITE ←
 18" X 12" (457 X 305) LOUVER ←

EXAMPLE: FNVL2
 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

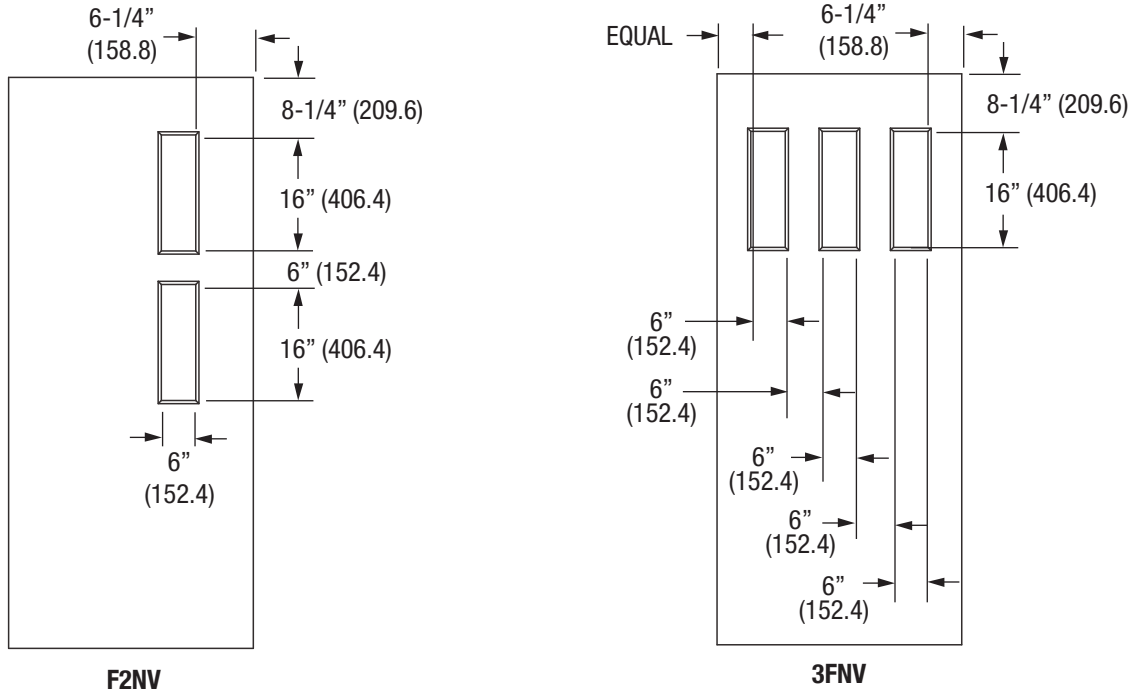
L = LOUVER STANDARDS

EXAMPLE: HGL2
 WINDOW PANE-HALF GLASS
 18" X 12" (457 X 305) LOUVER

PROVIDE CUTOUT ONLY SIZE FOR LOUVERS

February, 2010

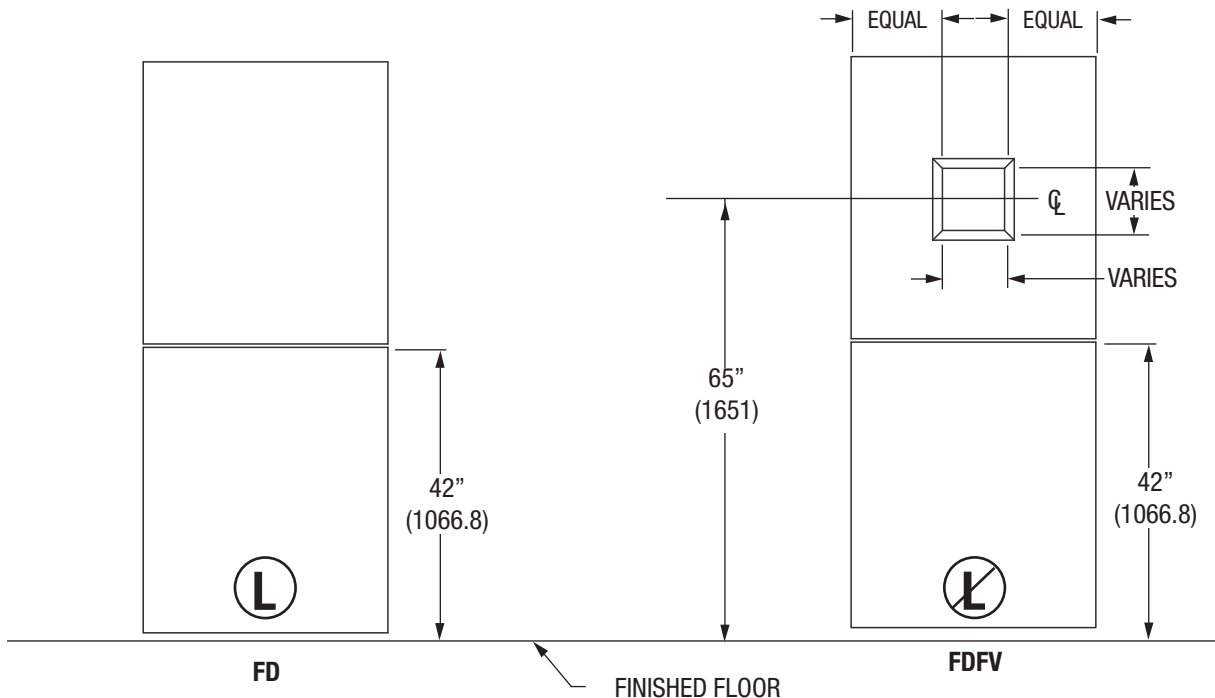
Type 9 & 10 Window Moulding



DOOR WIDTH FOR 3FNV MUST BE AT LEAST 3'7" (1092.2) WIDE!

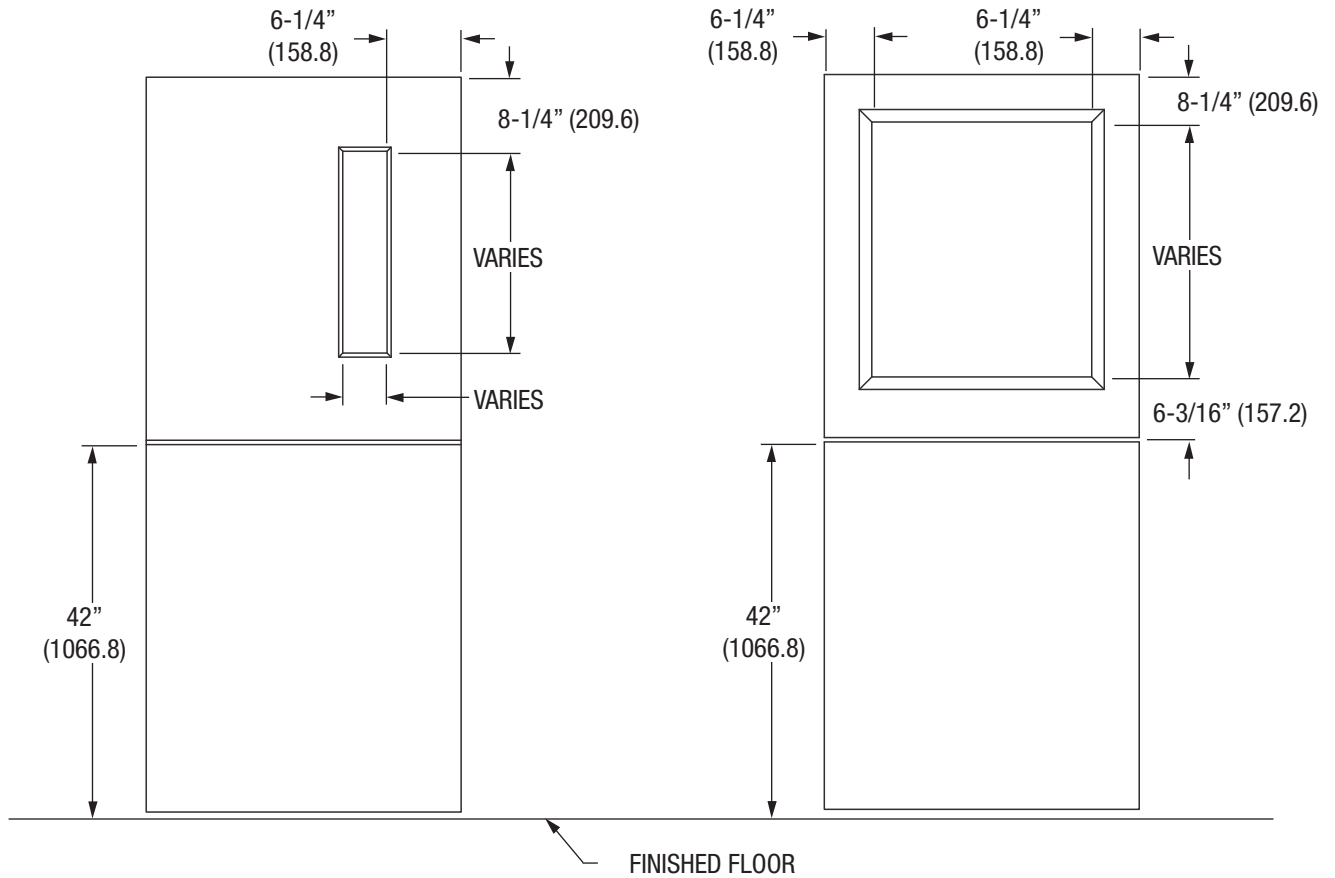
* **NOTE:** MINIMUM 6" STILES TO BE FIRE LABEL LISTED.

Face Type Locations FD, FDFV



FDFV	10" (254) X 10" (254)
FDFV1	12" (304.8) X 12" (304.8)

Type 9 & 10 Window Moulding



FDFNV

FD = FLUSH DUTCH
 FNV = FULL NARROW VISION STANDARDS

FDHG

FD = FLUSH DUTCH
 HG = HALF GLASS STANDARDS

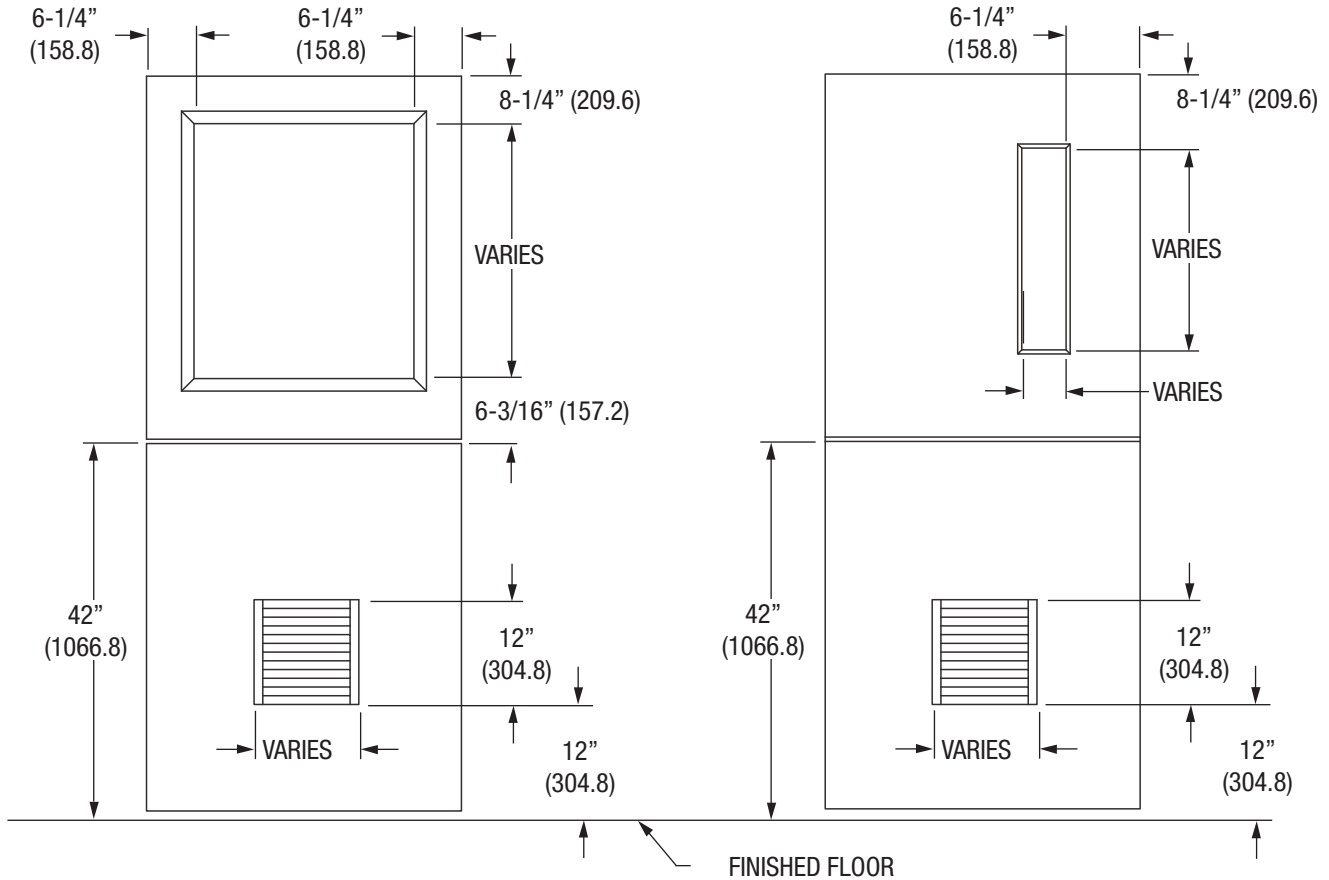
EXAMPLE: FDFNV1
 FLUSH DUTCH
 6" X 36" (152 X 914) NARROW VISION LITE

EXAMPLE: FDHG
 FLUSH DUTCH
 (3) WINDOW PANE-HALF GLASS

February, 2009



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

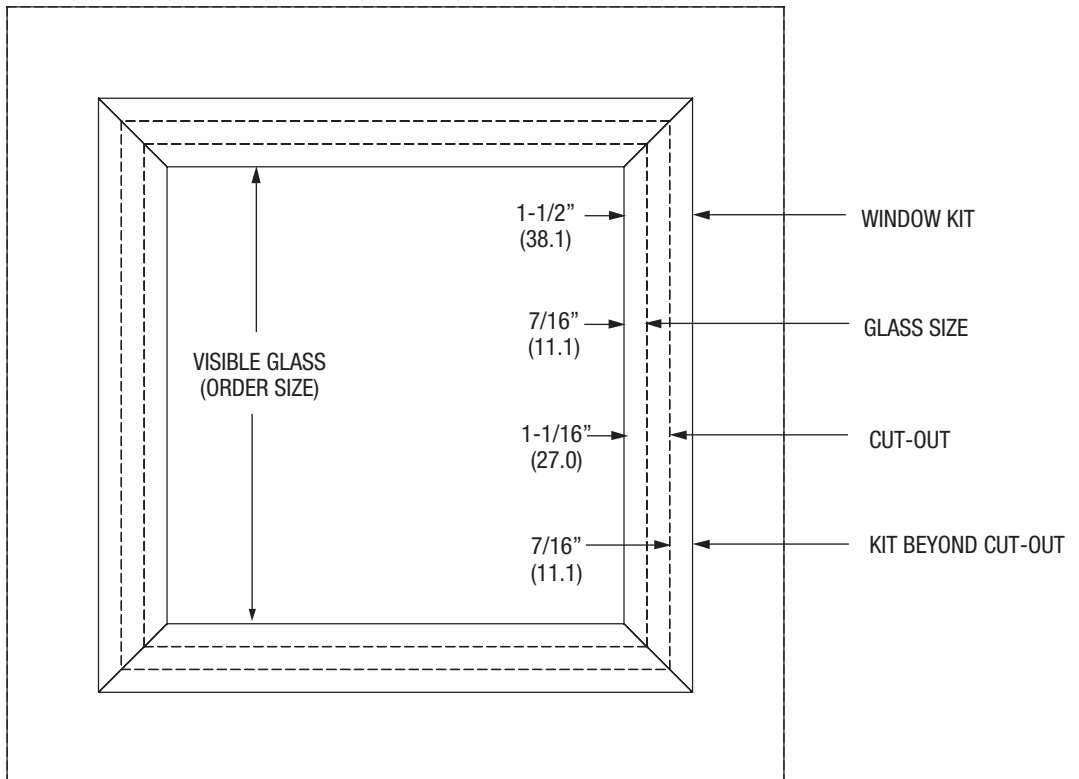
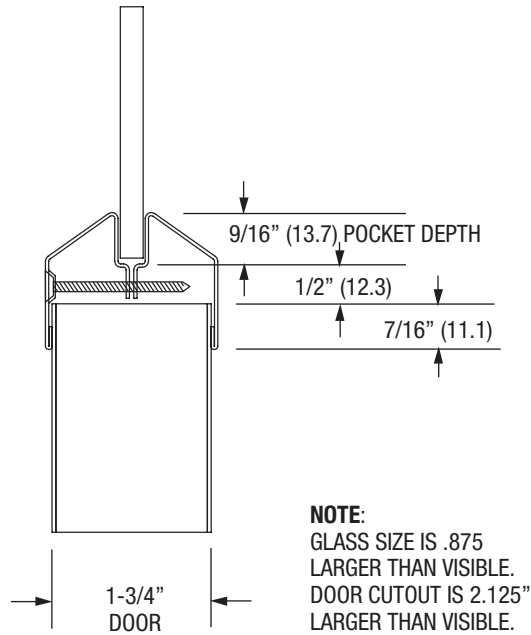
EXAMPLE: FDHG3L2
 FLUSH DUTCH
 (3) WINDOW PANE-HALF GLASS
 18" X 12" (457 X 305) LOUVER

EXAMPLE: FDFNV1L2
 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

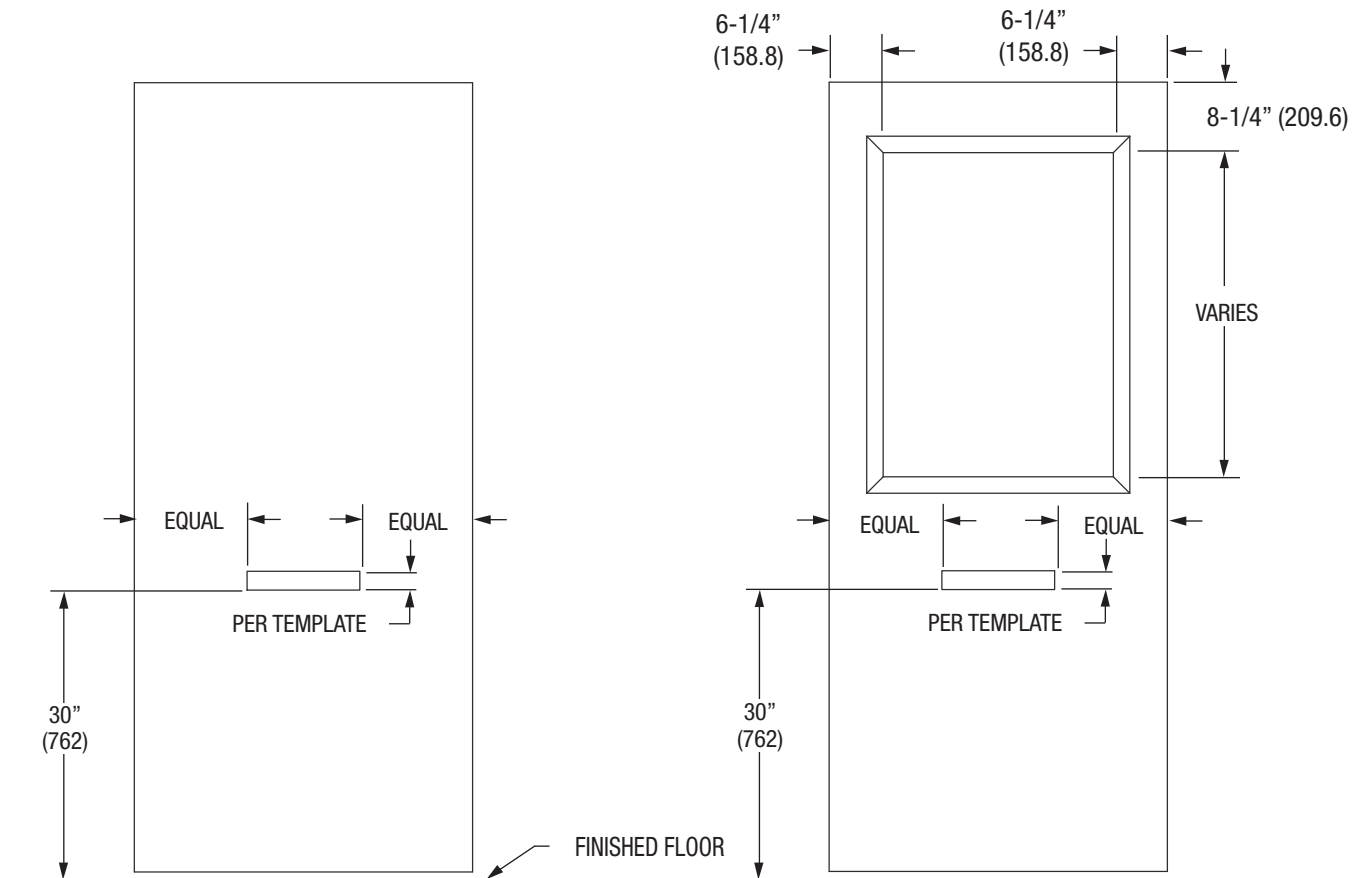
Type 9 & 10 Kits



February, 2009



Type 9 & 10 Window Moulding

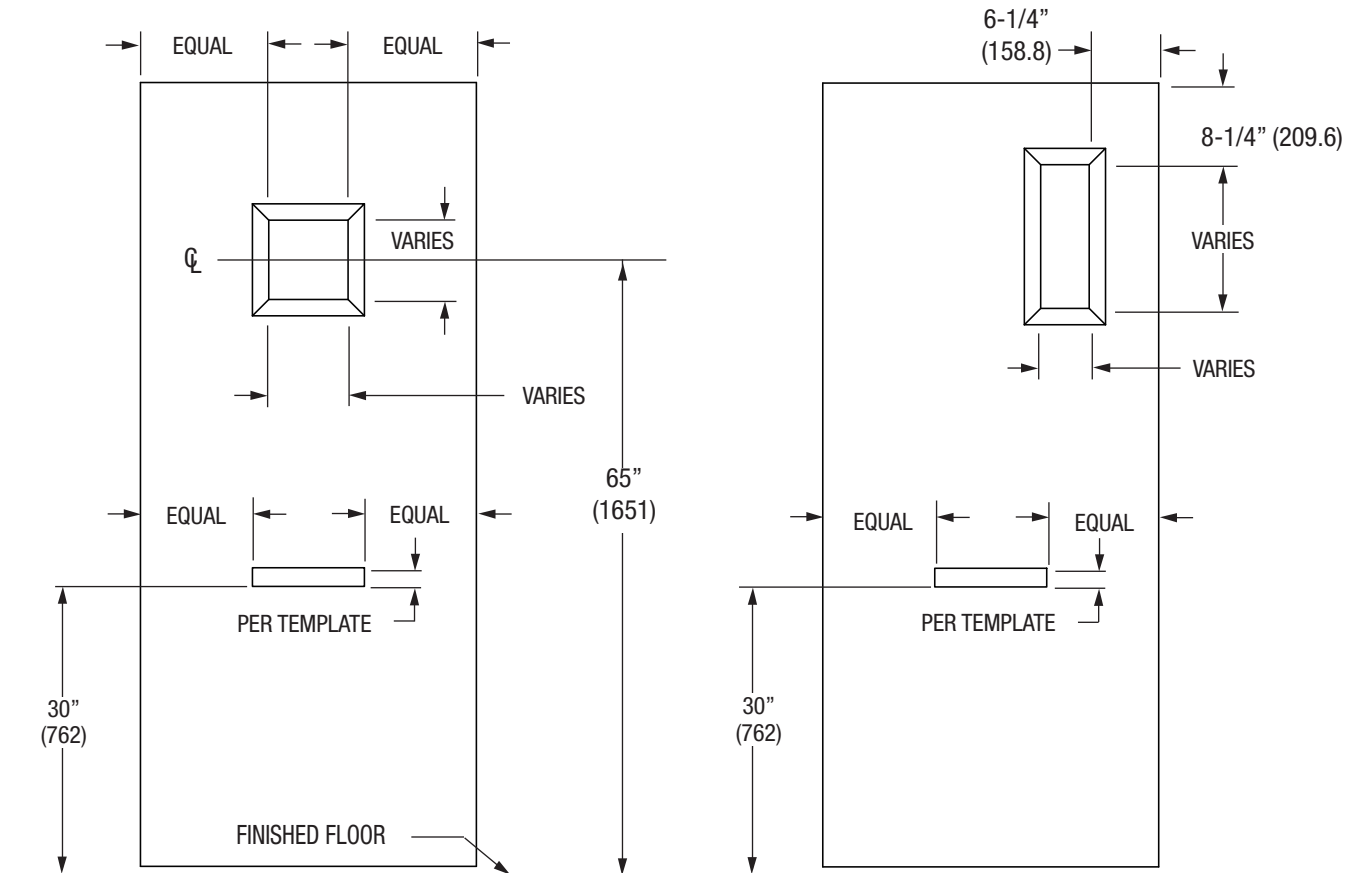


FMS
FMS = FLUSH MAIL SLOT

HGMS
HG = HALF GLASS STANDARDS
MS = MAIL SLOT

EXAMPLE: HG3MS
(3) WINDOW PANE-HALF GLASS
MAIL SLOT

Type 9 & 10 Window Moulding



FVMS

FV = FULL VISION STANDARDS
MS = MAIL SLOT

FNVMS

FNV = FULL NARROW VISION STANDARDS
MS = MAIL SLOT

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

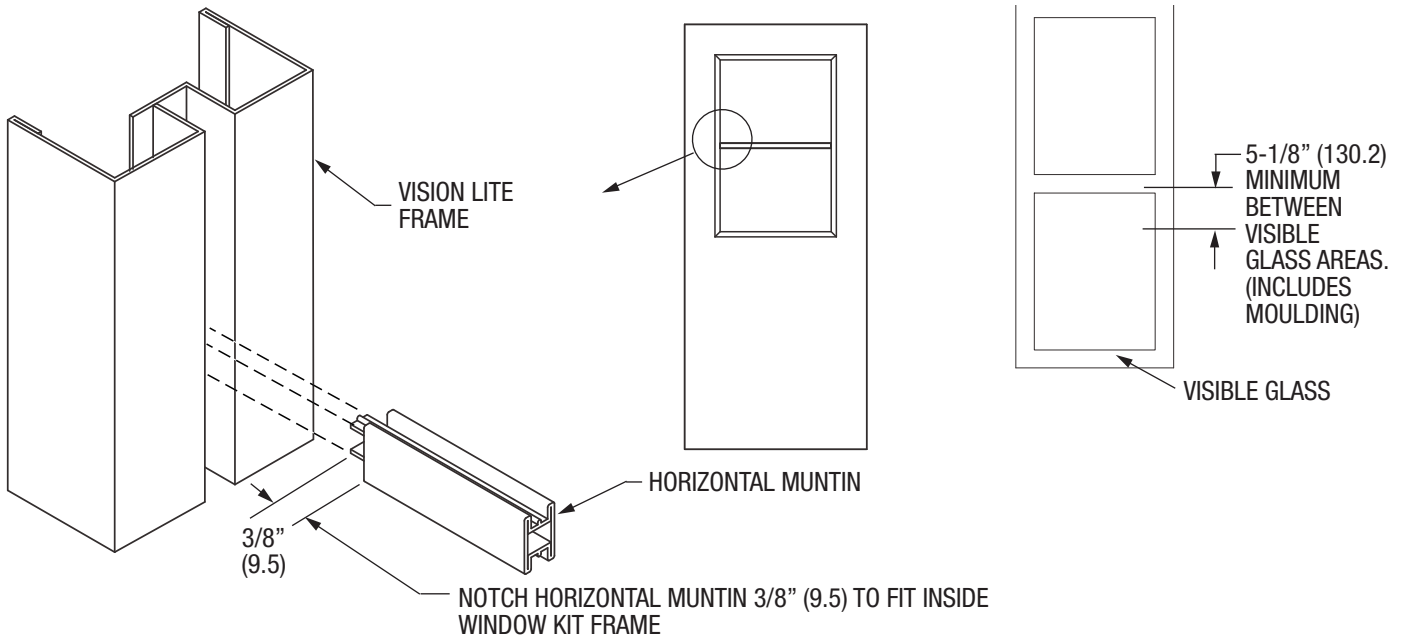
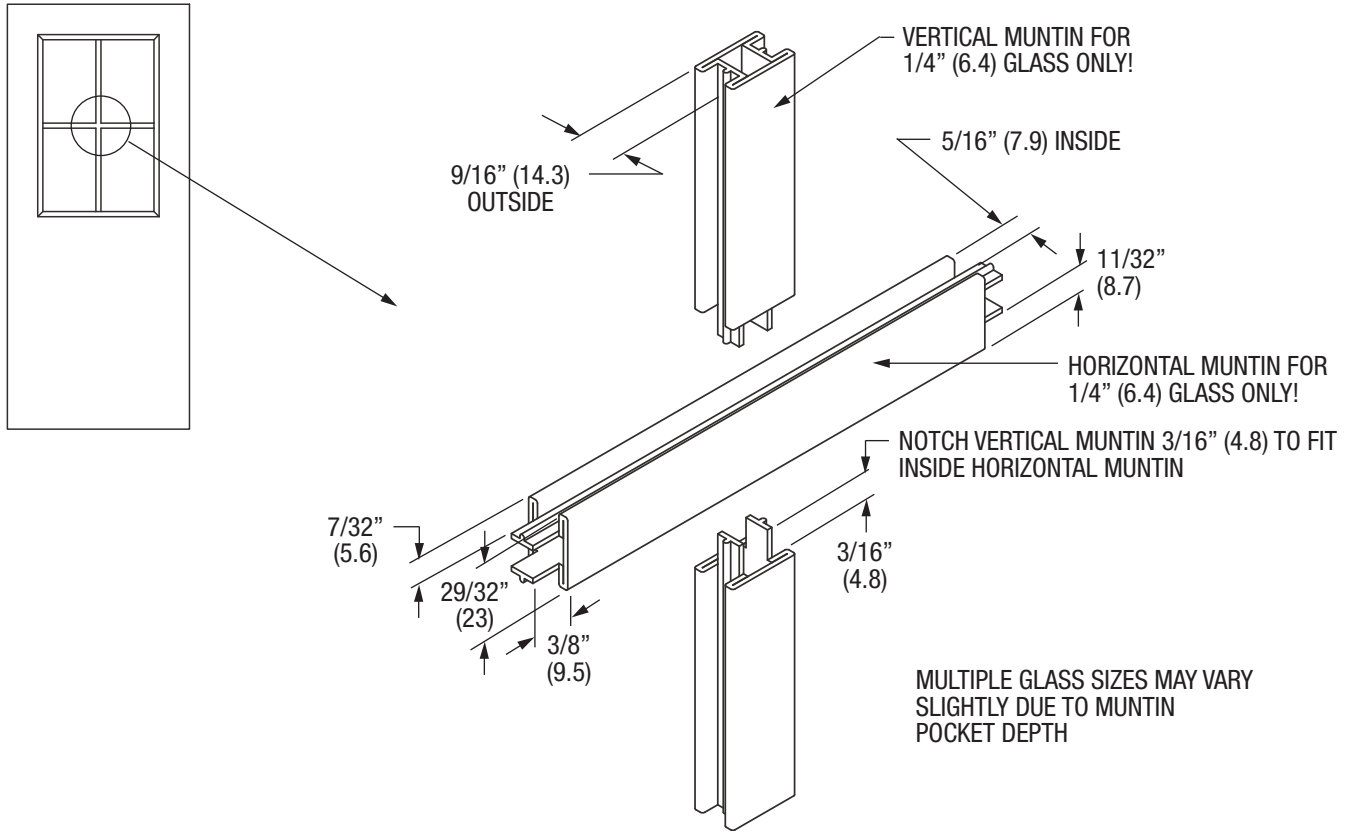
EXAMPLE: **FNV1MS**
6" X 36" (152 X 914) NARROW VISION LITE
MAIL SLOT

February, 2009



AVAILABLE WITH TYPE 1, 3, AND 9 WITH 3/8" POCKET ONLY

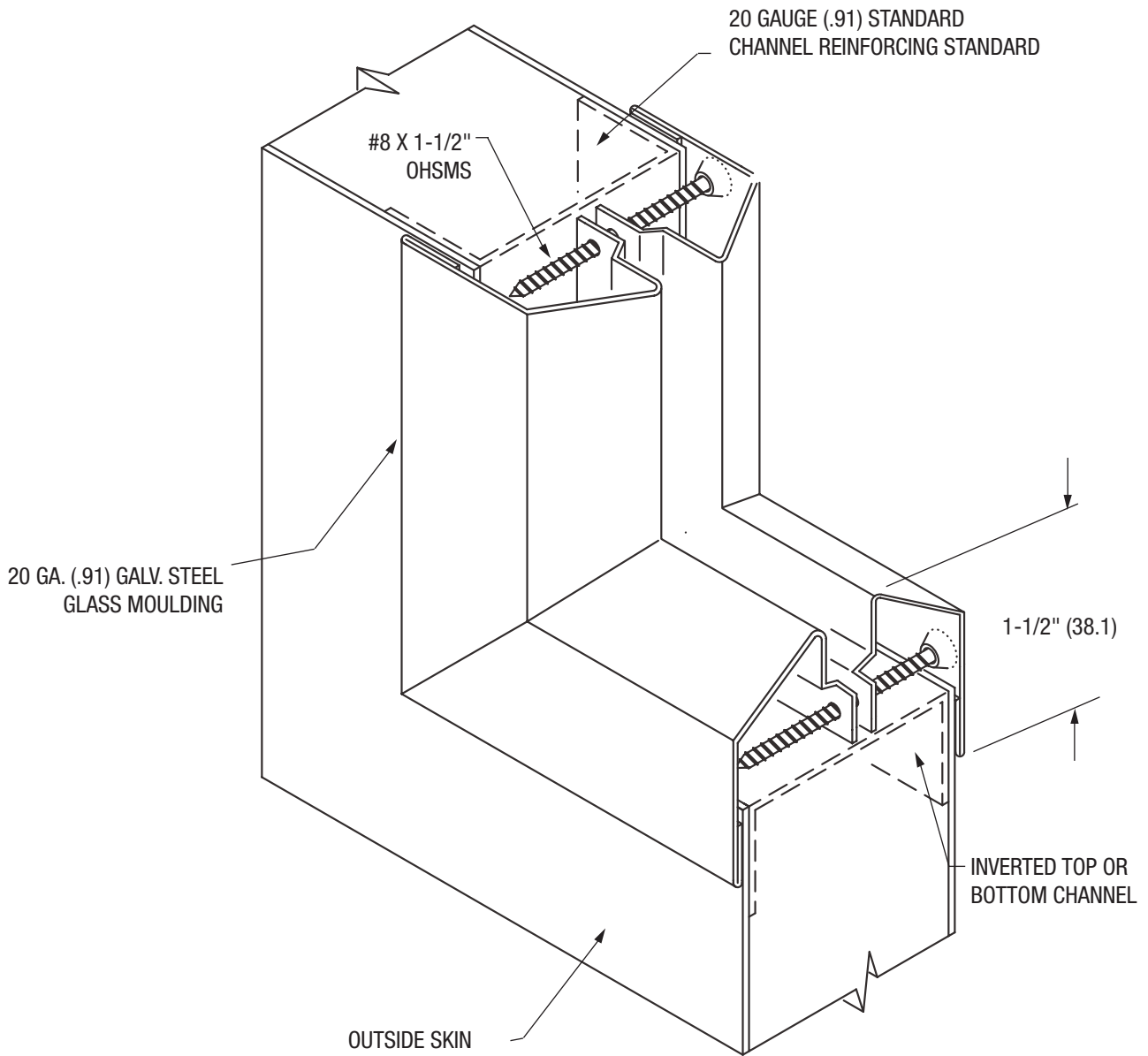
MUNTIN BAR PART NUMBER: CD002402



Type 9 & 10 Window Moulding



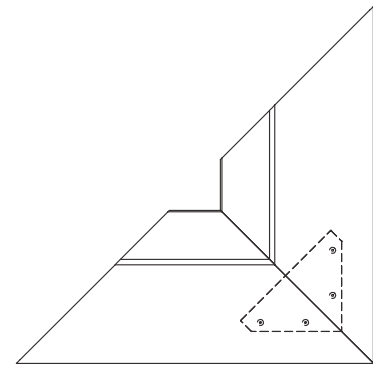
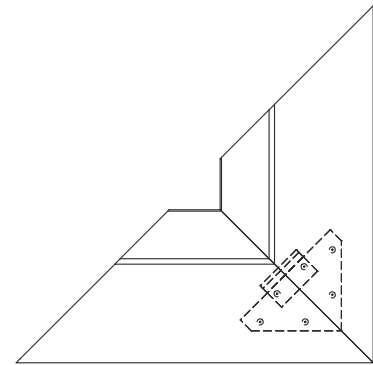
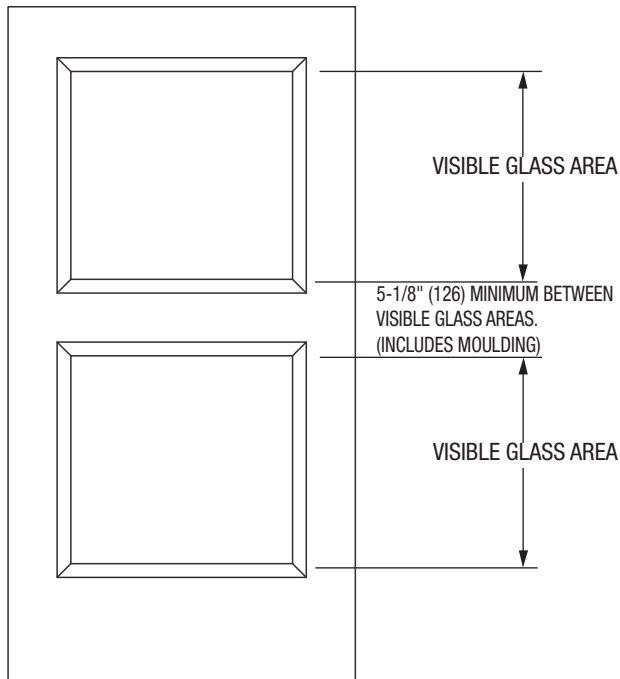
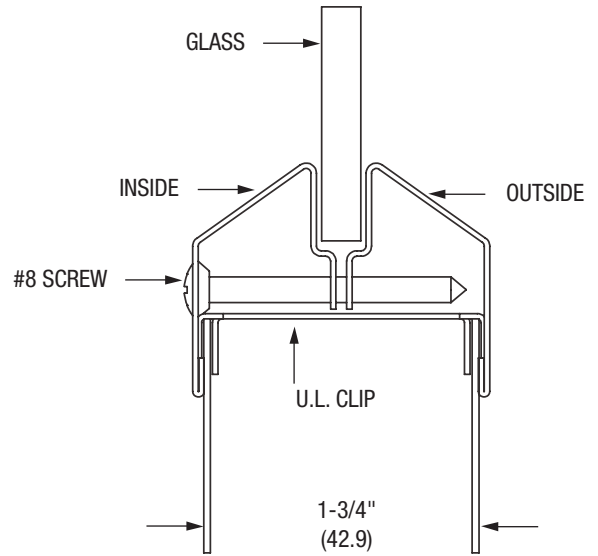
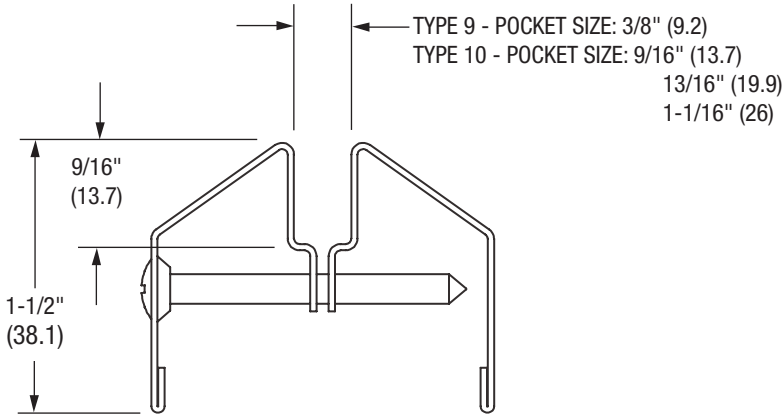
HINGE OR LOCK CHANNEL



February, 2009



Type 9 & 10 Window Moulding



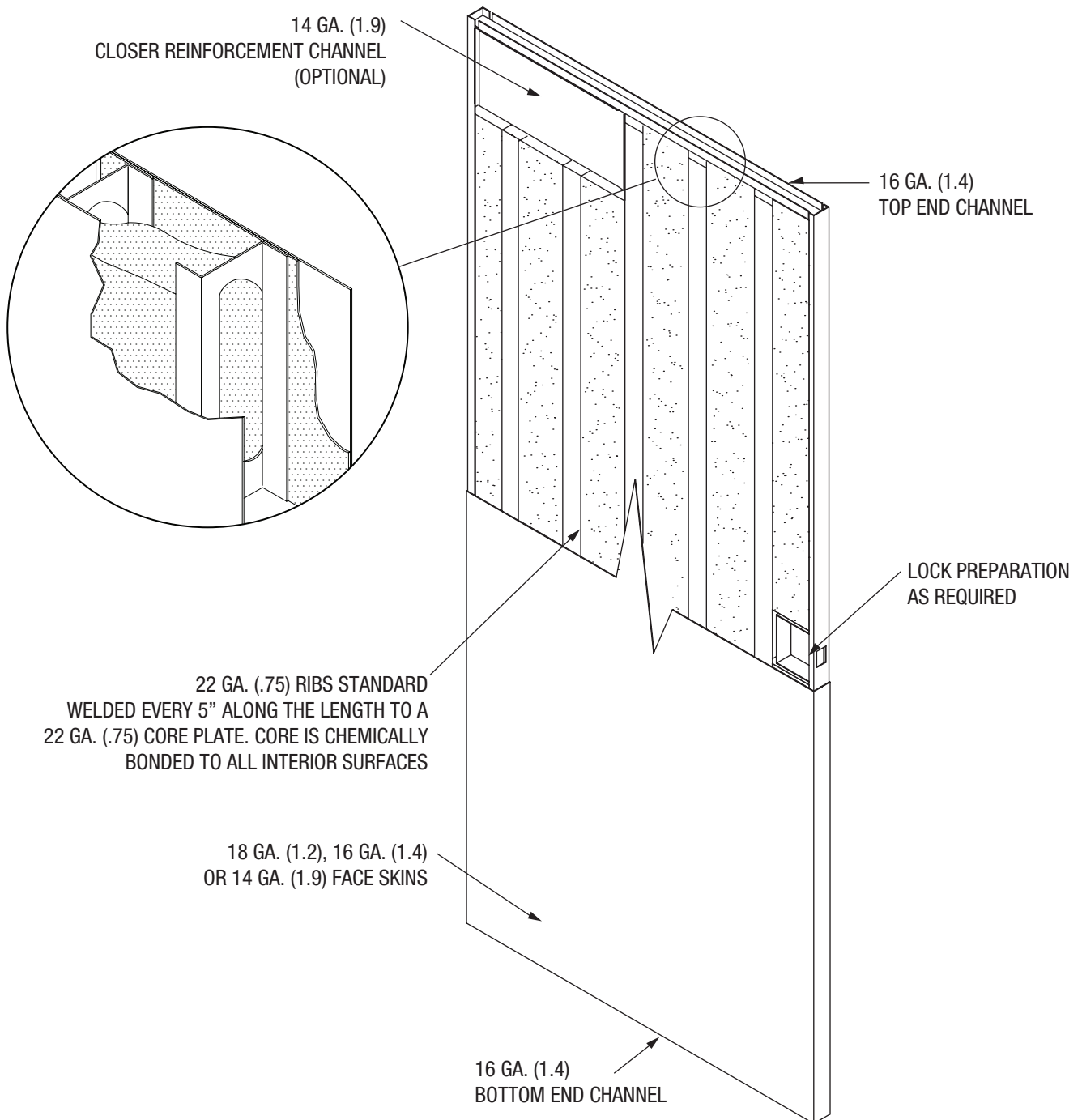
NOTE: ON FIRE LABEL DOORS USE A 6" (152.4) MINIMUM STILE BETWEEN VISIBLE GLASS AREAS AND BETWEEN VISIBLE GLASS AND EDGES OF DOOR.



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

**MAXIMUM 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***

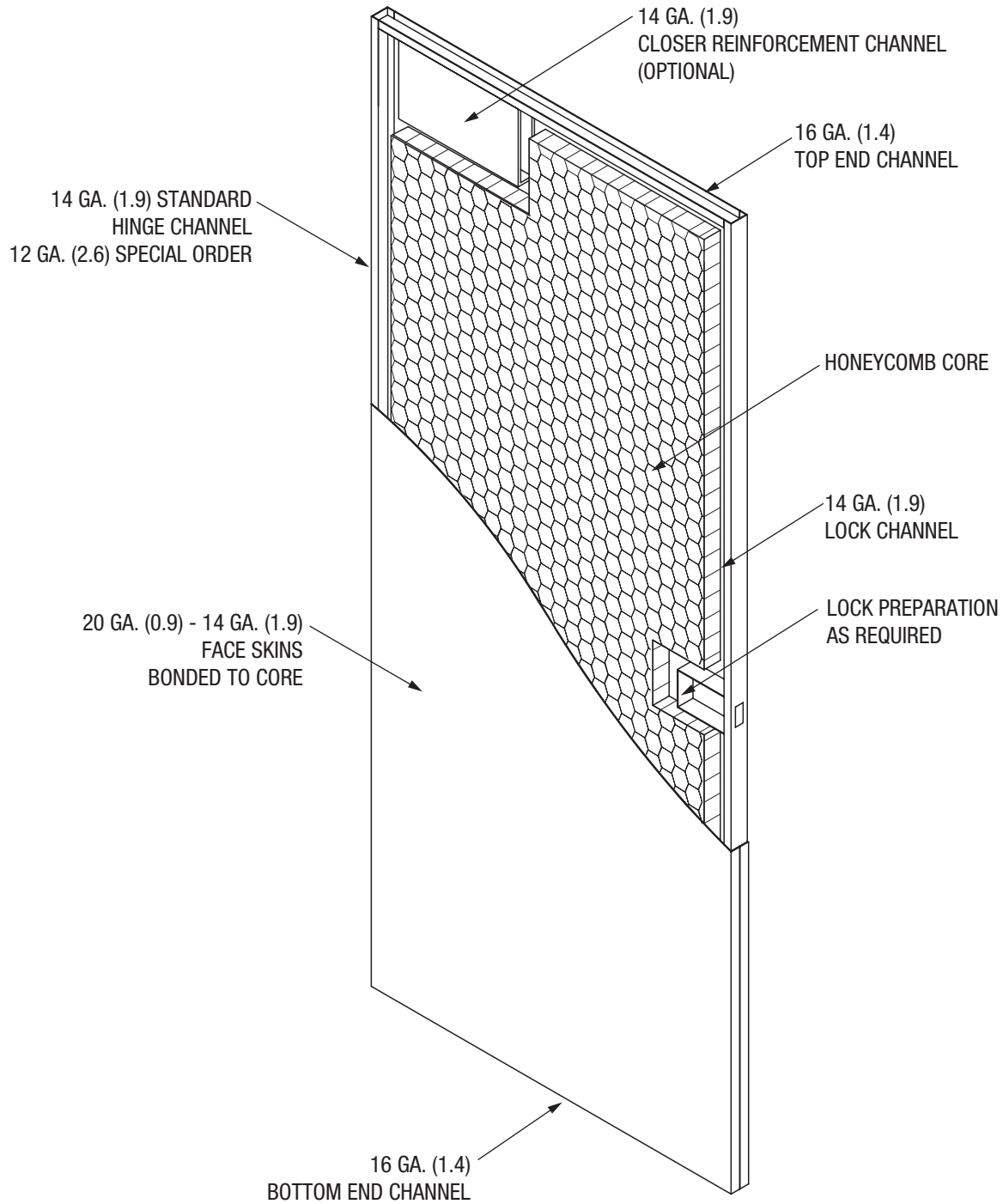
*NO ASTRAGAL REQUIRED

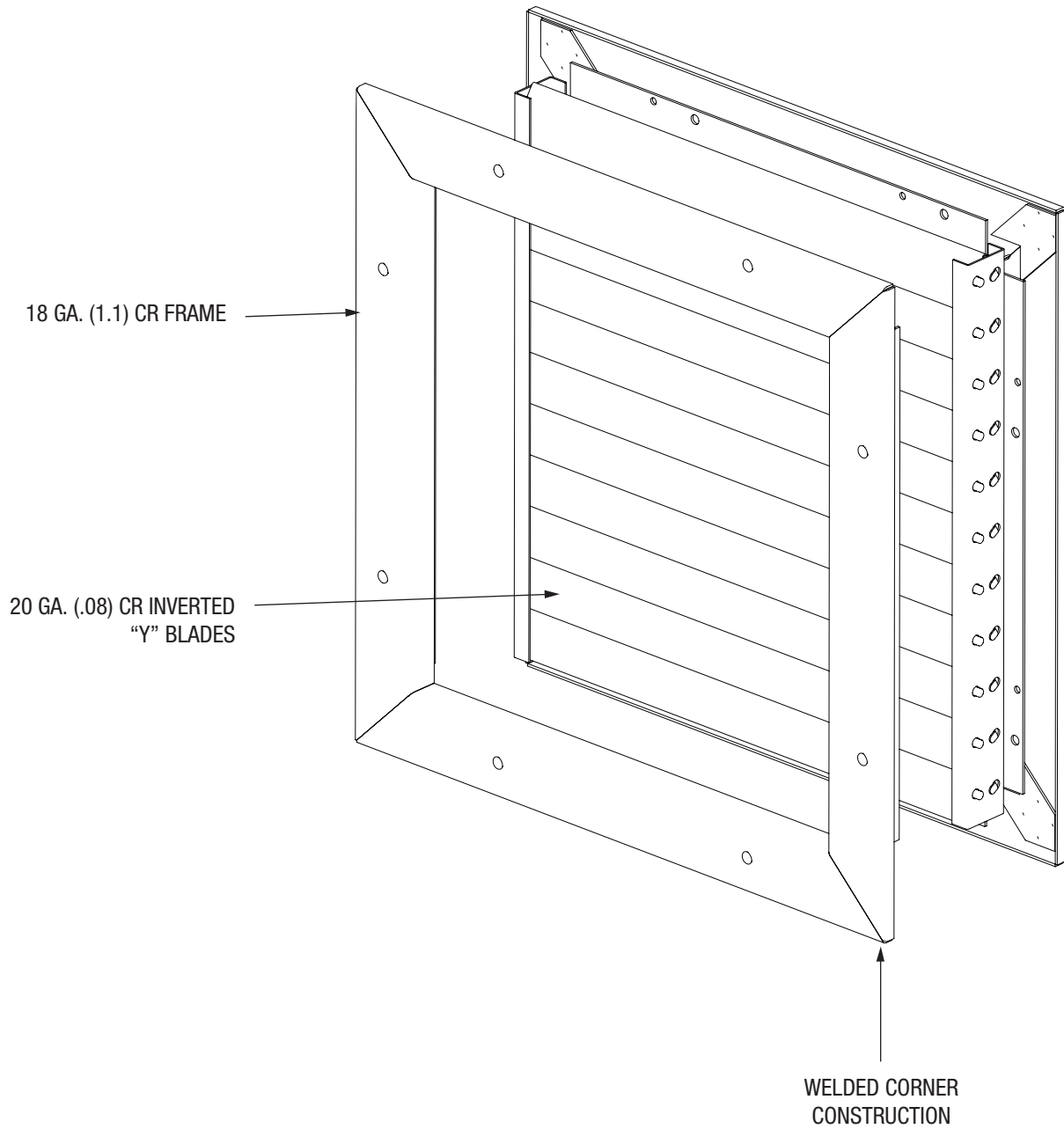


September, 2014



AVAILABLE IN 1-3/4" THICKNESS ONLY





THE CURRIES NON-RATED LOUVER FOR 1-3/4" DOORS PROVIDES 50% FREE AIR FLOW WHILE FASTENING TO ONE SIDE TO ENSURE SECURITY.

September, 2012

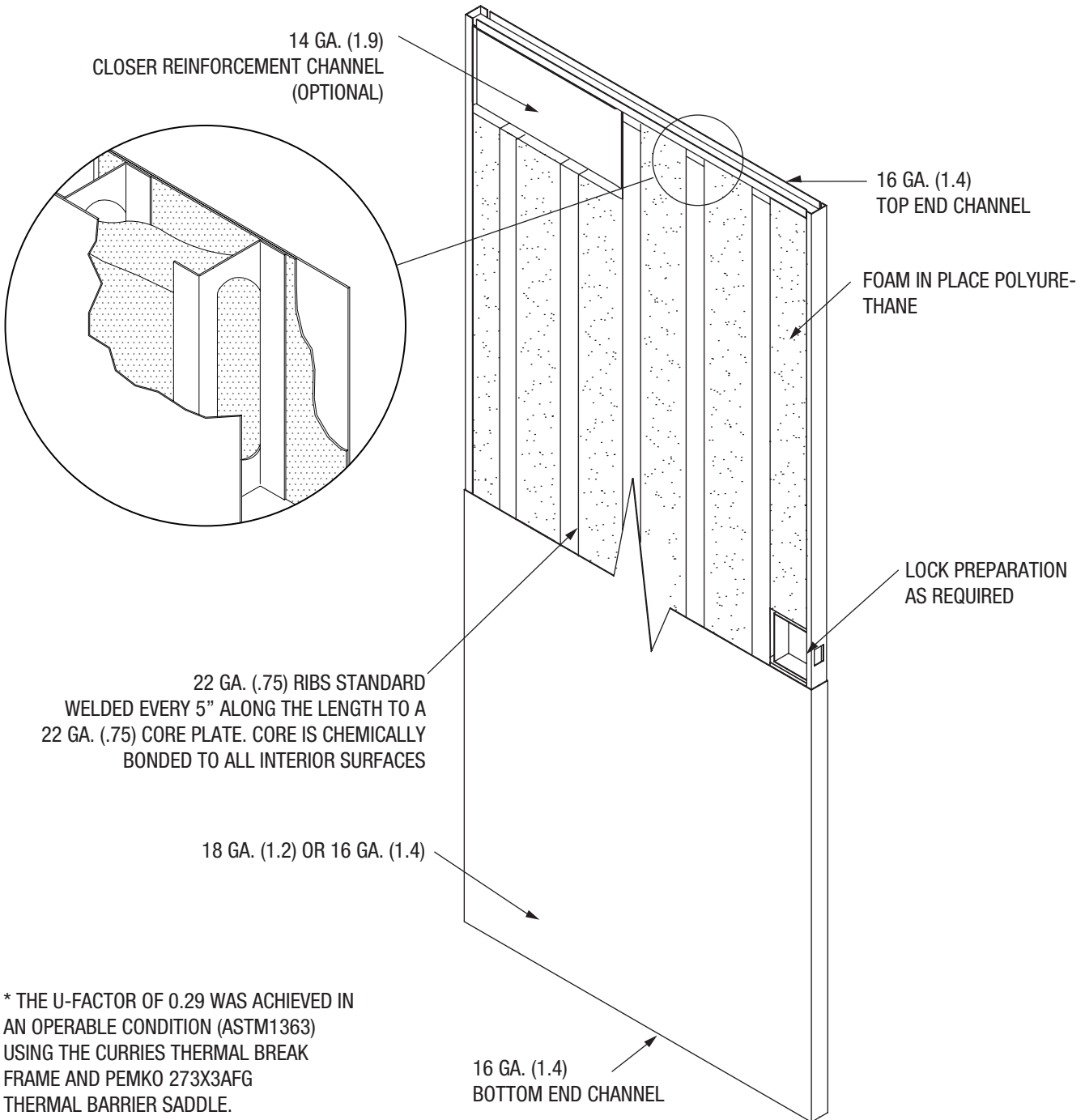
1-3/4" VERTICALLY STEEL STIFFENED POLYURETHANE CORE DOOR BEVELED LOCK EDGE, HANDED



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 - 0.29 (ASTM 1363)*
R FACTOR - 3.4 (ASTM 1363)*



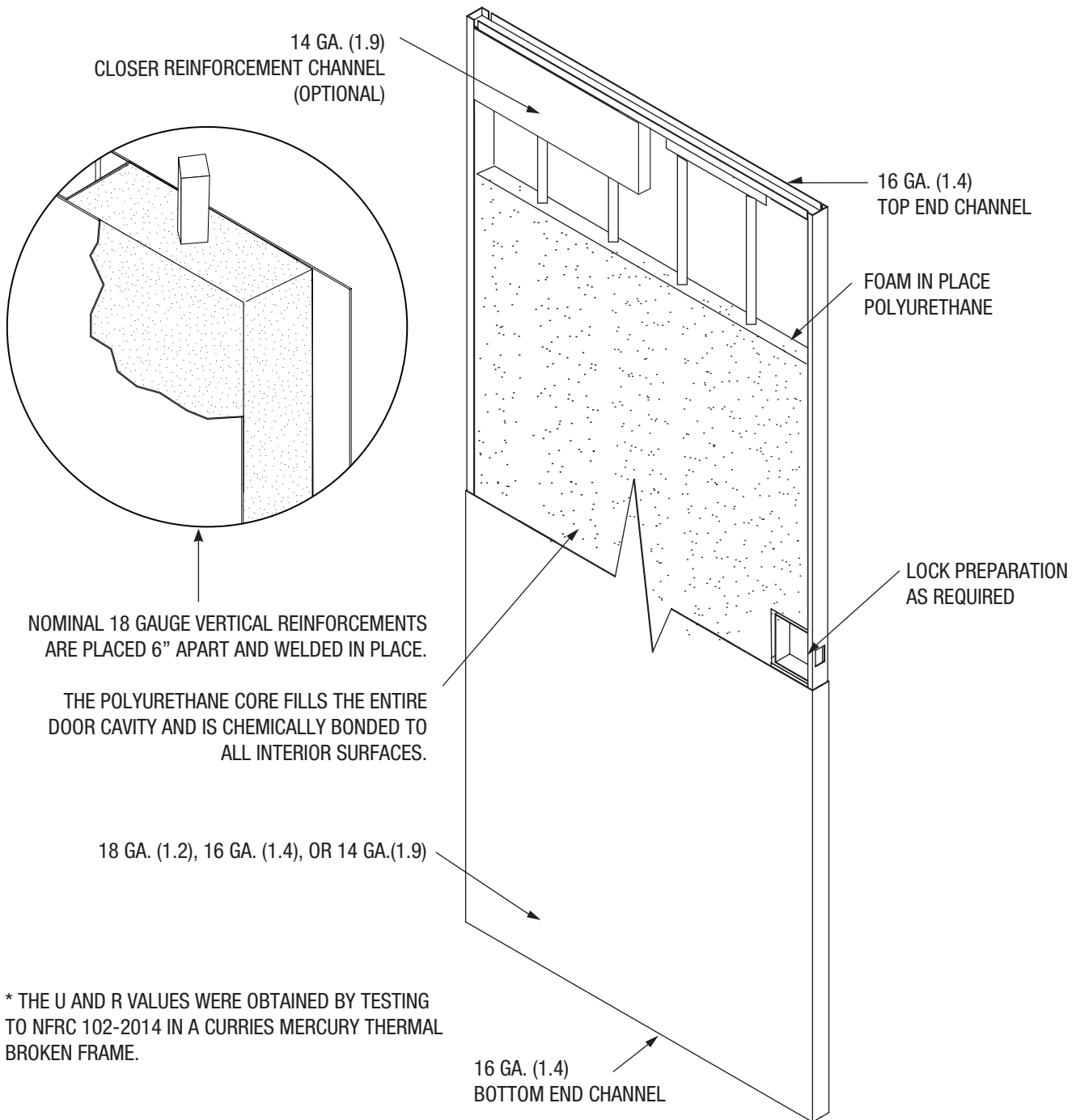
* THE U-FACTOR OF 0.29 WAS ACHIEVED IN AN OPERABLE CONDITION (ASTM1363) USING THE CURRIES THERMAL BREAK FRAME AND PEMKO 273X3AFG THERMAL BARRIER SADDLE.

**1-3/4" VERTICALLY STEEL REINFORCED
POLYURETHANE CORE DOOR
BEVELED LOCK EDGE, HANDED**

**MAXIMUM FIRE LABEL - 3 HOURS FOR UL
MAXIMUM SIZE SINGLES - 4'0" X 7'0"
MAXIMUM SIZE PAIRS - 6'0" X 7'0"**

**POLYURETHANE DOOR ASSEMBLY
THERMAL CHARACTERISTIC:
U FACTOR - 0.374 (NFRC 102 -2014)* R
FACTOR - 2.70 (NFRC 102 -2014)***

**MAXIMUM SIZE SINGLES - 4'0" X 9'0"
MAXIMUM SIZE PAIRS - 8'0' X 9'0"**



June, 2016

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

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

RATING	MAXIMUM EXPOSED AREA	MAXIMUM WIDTH	MAXIMUM HEIGHT	DOOR SERIES
20, 45, 60, AND 90	2736 SQ IN	36"	76"	707, 747, 777 847, 857
45, 60, AND 90 TR*	100 SQ IN PER LEAF	12"	33"	727, 747-TR*
180	100 SQ IN PER LEAF	12"	33"	707, 727, 747, 747-TR*, 777, 847, 857

*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

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

RATING	MAXIMUM EXPOSED AREA	MAXIMUM WIDTH	MAXIMUM HEIGHT	DOOR SERIES
20, 45, 60, AND 90	2736 SQ IN	36"	75"	707, 747, 777 847, 857
45, 60, AND 90 TR*	100 SQ IN PER LEAF	12"	33"	727, 747-TR*
180	100 SQ IN PER LEAF	12"	33"	707, 727, 747, 747-TR*, 777, 847, 857

*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.

RATING	MAXIMUM EXPOSED AREA	MAXIMUM WIDTH	MAXIMUM HEIGHT	DOOR SERIES
20, 45, AND 60	3204 SQ IN	36"	89"	707, 747, 777, 847, 857
90	2034 SQ IN	36"	56.5"	707, 747, 777, 847, 857
45, 60, AND 90 TR*	100 SQ IN PER LEAF	12"	33"	727, 747-TR*
180	100 SQ IN PER LEAF	12"	33"	707, 727, 747, 747-TR*, 777, 847, 857

*TEMPERATURE RISE

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.

RATING	MAXIMUM EXPOSED AREA	MAXIMUM WIDTH	MAXIMUM HEIGHT	DOOR SERIES
20 AND 45	3204 SQ IN	36"	89"	707, 747, 847, 857
90	2034 SQ IN	36"	56.5"	707, 747, 847, 857
45, 60, AND 90 TR*	100 SQ IN PER LEAF	12"	33"	727, 747-TR*
180	100 SQ IN PER LEAF	12"	33"	707, 727, 747, 747-TR*, 777, 847, 857

*TEMPERATURE RISE

September, 2013



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

RATING	MAXIMUM EXPOSED AREA	MAXIMUM WIDTH	MAXIMUM HEIGHT	DOOR SERIES
20, AND 45	1296 SQ IN	36"	54"	707, 747, 777 847, 857
45 TR*	100 SQ IN	12"	33"	727, 747-TR*
60	100 SQ IN	12"	33"	707, 727, 747 747-TR*, 777, 847, 857
90	100 SQ IN	12"	33"	707, 727, 747, 747-TR*, 777, 847, 857
20, AND 45	1296 SQ IN	34"	84"	707, 747, 777 847, 857
PEMKO FG 300090				
60	552 SQ IN	12"	46"	707, 747, 777 847, 857
90	552 SQ IN	12"	46"	707, 747, 777 847, 857

*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•FT²°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

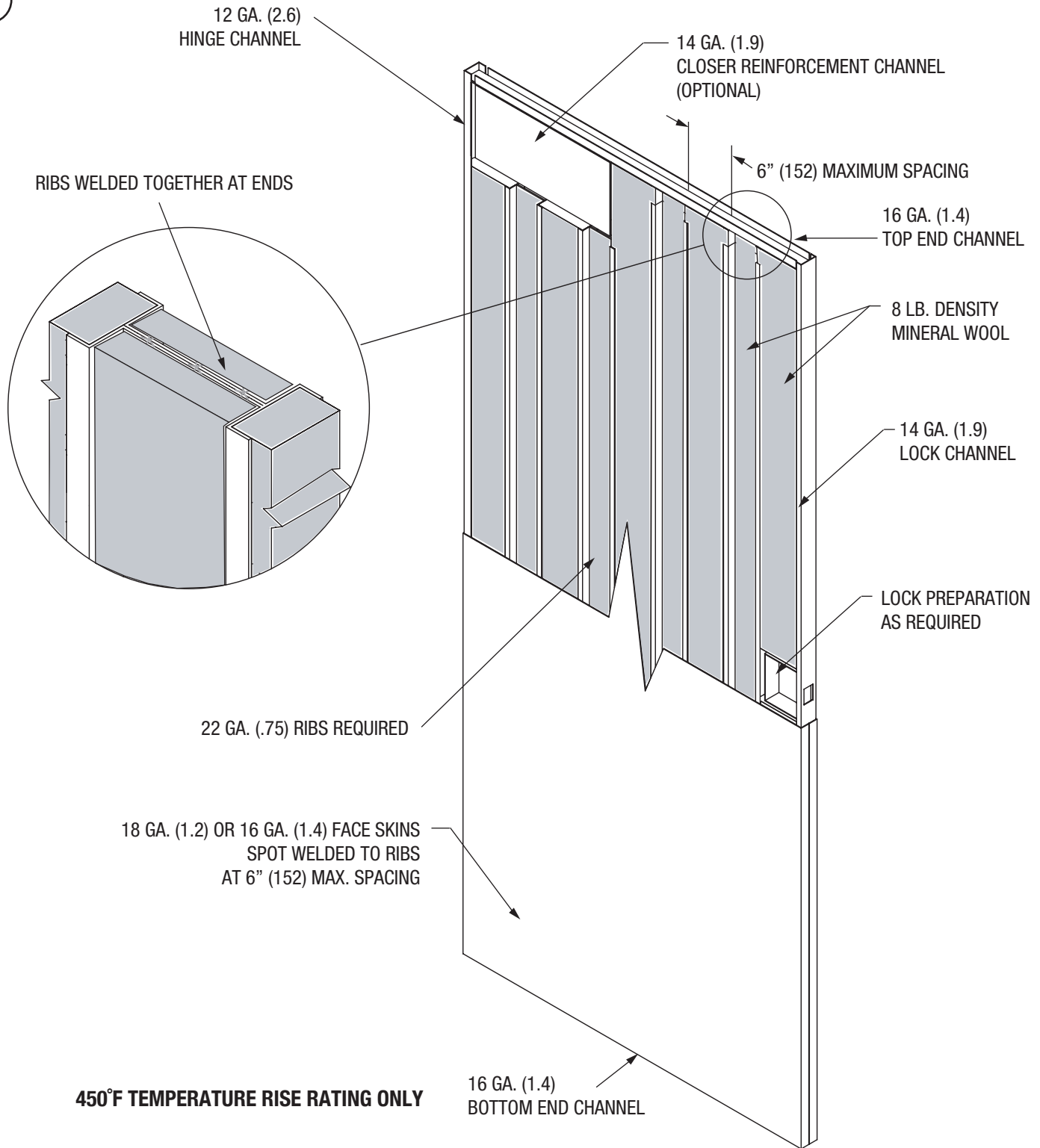
CENTER OF GLASS U FACTOR: .25 BTU/hr•FT²°F

SHADING COEFFICIENT (SC): .41

SOLAR HEAT GAIN (SHGC): .36

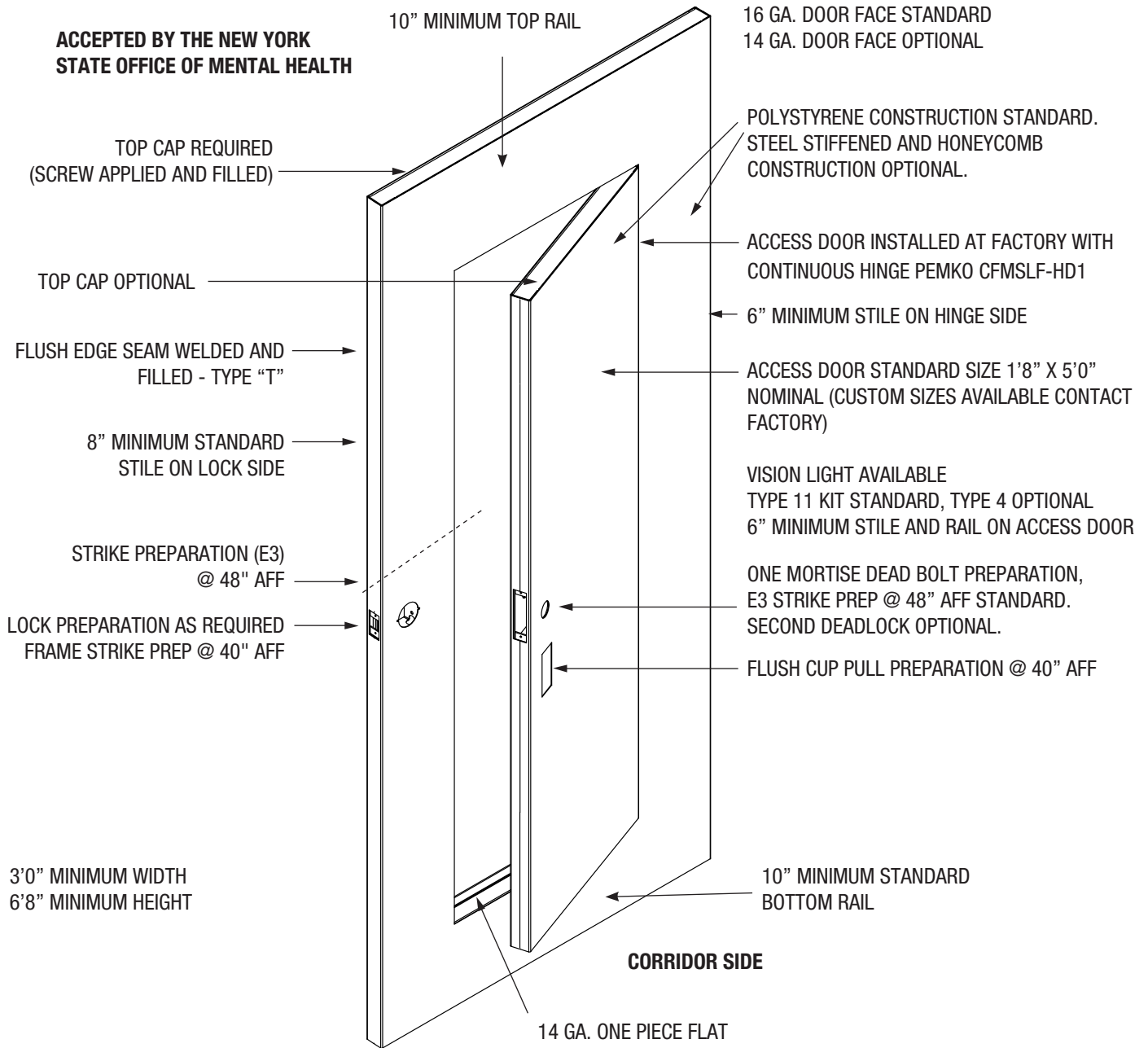
UV TRANSMITTANCE: 13%

March, 2015





STEP THROUGH DOOR



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 (COMPRESSION ANCHORS NOT ALLOWED)

July, 2015



NOTE: 18 GA. SEAMLESS HAS A CENTER SEAM CONSTRUCTION

NOTE: 16 GA. MINIMUM FACE SHEETS REQUIRED FOR CONTINUOUS WELDED TOP/BOTTOM CAPS

16 GA. (1.3) CHANNEL WITH
 7 GA. (4.5) HINGE REINFORCEMENTS

18 GA. (1.1) THROUGH 12 GA. (2.6)
 304 OR 316 STAINLESS STEEL

FACE SKINS BONDED TO CORE

EDGE CONSTRUCTION:

18 GA. (1.1) LOCK-SEAM

18 (1.1) THROUGH 12 GA. (2.6) SEAMLESS

STAINLESS STEEL INTERNAL COMPONENTS WITH
 304 & 316 STAINLESS STEEL FACE SHEETS.

STAINLESS STEEL FINISH:

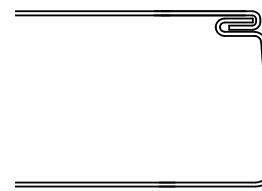
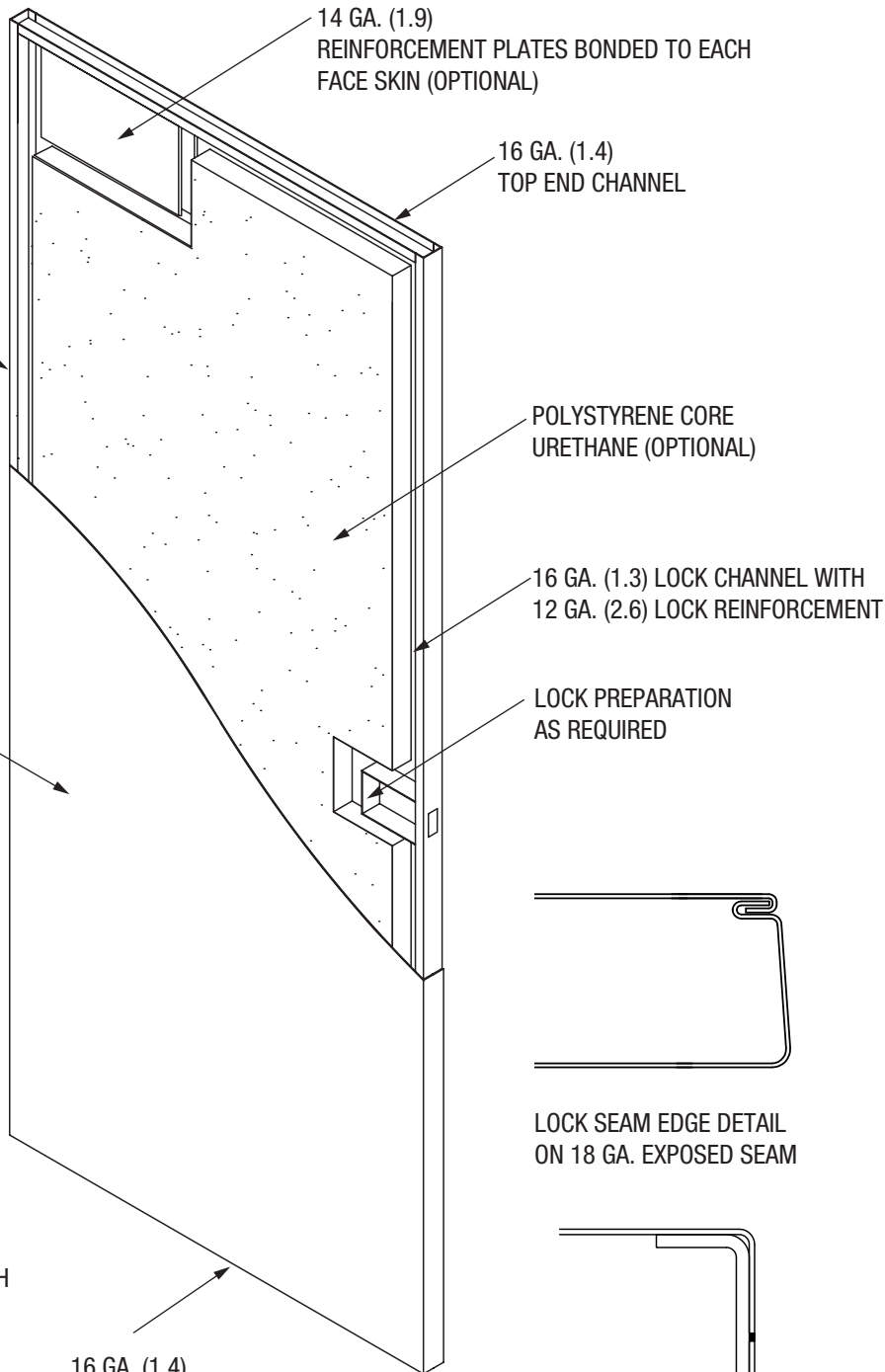
2B MILL

#4 BRUSHED SATIN

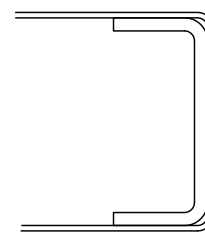
#6 FINE SATIN

#8 MIRROR

XLB XL BLEND



LOCK SEAM EDGE DETAIL
 ON 18 GA. EXPOSED SEAM

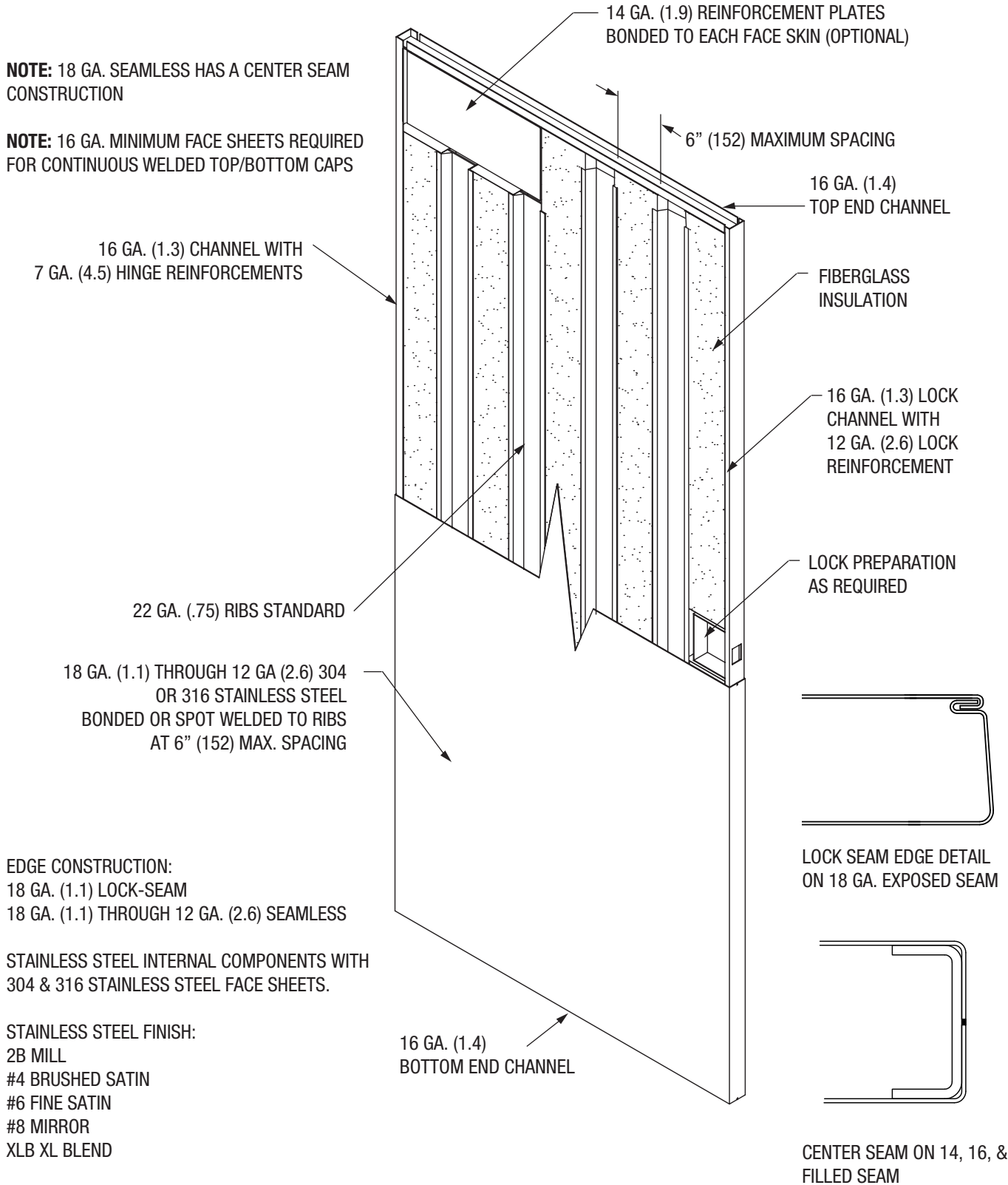


CENTER SEAM ON 14, 16, & 18 GA.
 FILLED SEAM



NOTE: 18 GA. SEAMLESS HAS A CENTER SEAM CONSTRUCTION

NOTE: 16 GA. MINIMUM FACE SHEETS REQUIRED FOR CONTINUOUS WELDED TOP/BOTTOM CAPS



CURRIES
Technical Manual
FireRatedProducts Section

Revised
September, 2017

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CURRIES fire rated doors and frames are listed and labeled by Underwriters Laboratories, LLC (UL) and Intertek-Warnock Hersey (Intertek). Doors and frames were tested in accordance with UL 9, UL 10B, UL 10C, ASTM E2074, ASTM E152, NFPA 252, NFPA 257, UBC 7-2, CAN4S-104 and CAN4S-106. ASTM E152 and ASTM E2074 have been withdrawn and are considered obsolete although included as a reference standard in some job specifications. UBC 7-2 has largely been replaced by the International Building Code (IBC).

The fire rated labels that we apply to doors and frames signify compliance with both Neutral and Positive Pressure test requirements.

GENERAL

- a) Only listed doors may be used in a fire rated opening.
- b) Every labeled swinging fire door must have a self latching device.
- c) Approved hardware and components are listed in the Underwriters Laboratories "UL online Certifications Directory" or ITS/Warnock Hersey "Directory of Listed Products".
- d) Labeled doors may be stainless steel.
- e) Viewers must be listed. Consult manufacturers listing for limitations.
- f) The rating for the opening is the rating of the lowest rated component.
- g) Embossed panel doors have the same fire rating as 707 doors.
- h) NFPA 80 shall be followed for installation.

ASTRAGALS

Astragals may not be used at any hourly ratings for standard pairs of any door model with Vertical Rod Exit Devices on both leaves.

Pairs of doors with rim or mortise exit devices that latch into a hardware or hollow metal mullion can be labeled to the same capabilities as two (2) single doors (check with Authority Having Jurisdiction (AHJ) prior to using this capability to verify acceptance).

Astragals, when required for fire protection, must be a steel overlapping design in accordance with our procedures. Split Astragals and Meeting Stile Gasketing that are fire rated up to 180 minutes cannot be used on CURRIES fire rated doors that require a steel overlapping astragal for fire protection. These fire rated Split Astragals and Meeting Stile Gaskets may be used on CURRIES fire rated doors that don't require a steel overlapping astragal for fire protection.

Astragals shall be attached with welds or screws and project 3/4" minimum beyond the lock edge of the door.

A hardware coordinator must be used to ensure proper closing when astragals are used on pairs of doors equipped with Vertical Rod Exit Device on one leaf and a Mortise Exit Device on the other leaf.

ASTRAGAL USAGE REQUIREMENTS

The objective of this specification is to summarize the use of steel overlapping astragals on the meeting edge of standard swing and double egress pairs. Most of the requirements are applicable to fire rated product limitations. Underwriters Laboratories and Intertek capabilities that are different are listed separately.

Underwriters Laboratories:

Astragals (12ga. flat or 14 ga. Z-shaped) are optional on all Standard Pairs and Double Egress Model 707 doors with a fire rating up to and including 1-1/2 hours.

Astragals are required on all Model 707 doors with a fire rating of 3 hours.

Astragals are optional on all Standard Pairs and Double Egress Model 747 doors with a fire rating up to and including 3 hours.

Astragals are required on all Model 727 doors at all hourly ratings and opening sizes.

Intertek (Warnock Hersey):

Astragals are optional on the following doors up to 3 hours:

Standard Pairs:	Model 707	8080 Maximum opening size (Polystyrene and honeycomb cores)
	Model 747	80100 Maximum opening size
Double Egress:	Model 707	8080 Maximum opening size
	Model 747	80100 Maximum opening size

Astragals are optional on Model 727 doors up to and including 1-1/2 hours. Astragals are required on Model 727 doors when the hourly rating exceeds 1-1/2 hours.

CLEARANCES

- a) The maximum clearance between the door and frame and between meeting edges of doors swinging in pairs is 1/8 inch (re: NFPA80). Refer to CURRIES Tech Data sections for design clearances on CURRIES doors.
- b) The maximum clearances under the bottom of a fire door shall be 3/4" (19 mm) per NFPA 80.

NOTE: Doors with vertical rod devices may have bottom latches that may not engage the strike if maximum allowed clearances are used.

2 Fire Door Limitations and Requirements

Fire Rated Products



January, 2014

CLOSING DEVICES

- a) A closing device shall be installed on every fire door.
- b) Closer reinforcements are furnished as standard on CURRIES fire rated doors.
- c) If the closer is installed with sex bolts, the closer reinforcement may be omitted on fire rated doors.
- d) Spring hinges may be used instead of a closer and a closer reinforcing. At least two spring hinges are required per door leaf.
- e) The closer may be omitted on the inactive leaf of pairs of doors to mechanical equipment rooms (re: NFPA80).
- f) Overhead stops may be used if they do not inhibit the door from closing and latching.
- g) If an astragal or projecting latch bolt prevents the inactive door from closing and latching before the active door, a coordinating device shall be used. A coordinating device is not required where each door leaf of a pair of doors closes and latches independently of each other.
- h) Door holder/release devices are permitted when acceptable to the Authority Having Jurisdiction. These are fail-safe devices, controlled by a detection device to release the door in the event of fire (re: NFPA80).

DUTCH DOORS

- a) The upper and lower leaf may latch into the frame or the upper leaf may latch in lower leaf which latches into the frame.
- b) The top leaf must be equipped with a closing device and a horizontal astragal that brings the bottom leaf closed
- c) Fire-rated dutch doors must have a horizontal astragal attached to the bottom of the top leaf for all hourly ratings.

EXIT DEVICES

- a) CURRIES labeled fire exit doors may be prepared for any listed fire exit hardware device.
- b) The door size must not exceed the maximum door size listed for the individual hardware manufacturers devices.
- c) Doors that are reinforced for fire exit hardware must bear a label which states "Fire Door to be equipped with Fire Exit Hardware."
- d) Fire Exit Hardware may be applied to doors that are not reinforced for such hardware by using sex bolts or through bolts. These doors may not bear the label "Fire Door to be Equipped with Fire Exit Hardware."
- e) Vertical rod exit devices may not be used on a single door (this does not include less bottom rod devices that have a mortise lock.)

GASKETING/EDGE SEALS

- a) Only listed gasketing material may be used, consult the U.L. Certifications (online) Directory Intertek Listed Product Directories.
- b) Smoke and draft control assemblies must employ gaskets listed for smoke and draft control.
- c) CURRIES fire rated doors do not require the use of edge seal systems (intumescents).

GLASS/GLAZING

- a) See glazing capability charts for type, size, and rating of glass.

HINGES

- a) Doors up to 60 inches in height require two leaf type hinge. An additional hinge must be used for each additional 30 inches of height or fraction thereof (NFPA80).
- b) CURRIES fire doors over 96 inches in height may be prepared for standard weight hinges.
- c) Listed continuous hinges, pivots, or electric hinges may be used with CURRIES fire rated doors.

LABELS

- a) Fire labels on CURRIES doors are metal. Metal labels may be attached with drive screws or steel pop rivets.
- b) Labels may be applied only at authorized locations.
- c) A field inspection is required for a label to be applied at a jobsite.

LOCKS

- a) The door size used must not exceed the maximum door size listed for the individual hardware manufacturers devices.
- b) Refer to the hardware manufacturer's listing to determine capability to supply single point locks for doors over 8 feet in height.
- c) Latch Throw Requirements

607 & 707 Single:	1/2 inch minimum latch throw
607 & 707 Pairs:	5/8 inch minimum latch throw on pairs to 8 feet in height.
707 Pairs:	3/4 inch minimum latch throw on pairs to 10 feet in height.
727 Single:	1/2 inch minimum latch throw
727 Pairs:	5/8 inch minimum latch throw
747 & 847 Single:	1/2 inch minimum latch throw
747 & 847 pairs:	5/8 inch minimum latch throw
747 doors may also be prepared for two and three point latching devices.	

LOCKS (continued)

- d) Dead bolts may not be used on doors which are in a means of egress. Locks with dead bolts that are interconnected with latch bolts and retract simultaneously when the latch bolt is retracted may be used on fire doors within a means of egress.
- e) Dead bolts may be used in addition to an active latch bolt on doors that are not in a means of egress, or as otherwise permitted by the Authority Having Jurisdiction.

LOUVERS

- a) Any listed automatic fusible link louver may be used in CURRIES labeled doors.
- b) Maximum rating for louvers is 90 minutes.
- c) Maximum listed louver size is 24 x 24 inches.
- d) Louvers may not be installed in the upper half of a fire door.
- e) Louvers may not be installed in 20 minute doors.

MODIFICATIONS

Any retrofit or other field modification to a fire rated opening can potentially impact the fire rating of the opening, and CURRIES makes no representations or warranties concerning what such impact may be in any specific situation. When retrofitting any portion of an existing fire rated opening, or specifying and installing a new fire-rated opening, please consult with a code specialist or local code official (Authority Having Jurisdiction) to ensure compliance with all applicable codes and ratings.

PAIRS OF DOORS

- a) The inactive leaf of pairs of doors may be provided with self-latching top and bottom bolts or automatic flush bolts or labeled two point latches. Manual bolts either mortise or surface may be used on doors to rooms not normally occupied by humans.
- b) Double egress doors are intended to be provided with vertical rod exit devices (concealed or surface mounted).
- c) Open back strikes may be used on pairs of 707 or 747 doors to a maximum of 8'0" high, maximum height for 607 doors is 7'0" high.
- d) Two doors in the same frame separated by a hollow metal mullion are treated as two single doors.

PROTECTION PLATES/PLANT ONS

- a) Protection plates or kick plates may be a maximum of 46" wide x 36" high and may be attached to both faces of a door; protection plates may not be thicker than the door face skin gauge. NFPA 80 states that labeling is not required on protection plates less than 16". Field installed plates must be labeled and installed in accordance with the protection plate manufacturer's listing. The protection plate manufacturer should advise size and installation limitations. Protection plates are listed under UL Category code GVUX.
- b) Plant-ons, decorative moldings, or cladding may not be used on CURRIES fire doors.

SMOKE AND DRAFT CONTROL

- a) All components used in a Smoke and Draft Control assembly must pass a 20 minute without hose stream fire test.
- b) Only gaskets listed for smoke and draft control may be used for smoke and draft control assemblies.
- c) The gaskets used for a smoke and draft control assembly must be listed for the type of door installed in the frame, i.e. hollow metal or wood.
- d) Wood doors used in a smoke and draft assembly that do not have intumescent imbedded in the door edge may require an edge seal (intumescent) and a smoke and draft control qualified gasket to be installed in the door frame.

TEMPERATURE RISE DOORS

- a) The L727 series door may be used in 250° and 450° temperature rise applications.
- b) A steel overlapping astragal is required on all fire-rated pairs of 727 doors.
- c) The 747 temperature rise door is available at a 450° rating only.

VISION LIGHT REQUIREMENTS

- a) No glass should be used in exterior doors subject to a severe fire exposure.
- b) Any listed fire door vision light kit may be used in CURRIES labeled doors. Vision kits should be listed for use in the type of door construction they are installed in.
- c) CURRIES vision light kits may be used in CURRIES doors only.
- d) Minimum stile between visible glass and the edge of door is 6 inches, the minimum distance between two vision light kits is 6" from visible glass to visible glass.
- e) NFPA 80 allows vision lite kits up to 100 sq. inches in 250° and 450° temp. rise applications. Authority Having Jurisdiction may allow use of specialty glazing (see glazing chart for approved glazing) over 100 sq. inches.

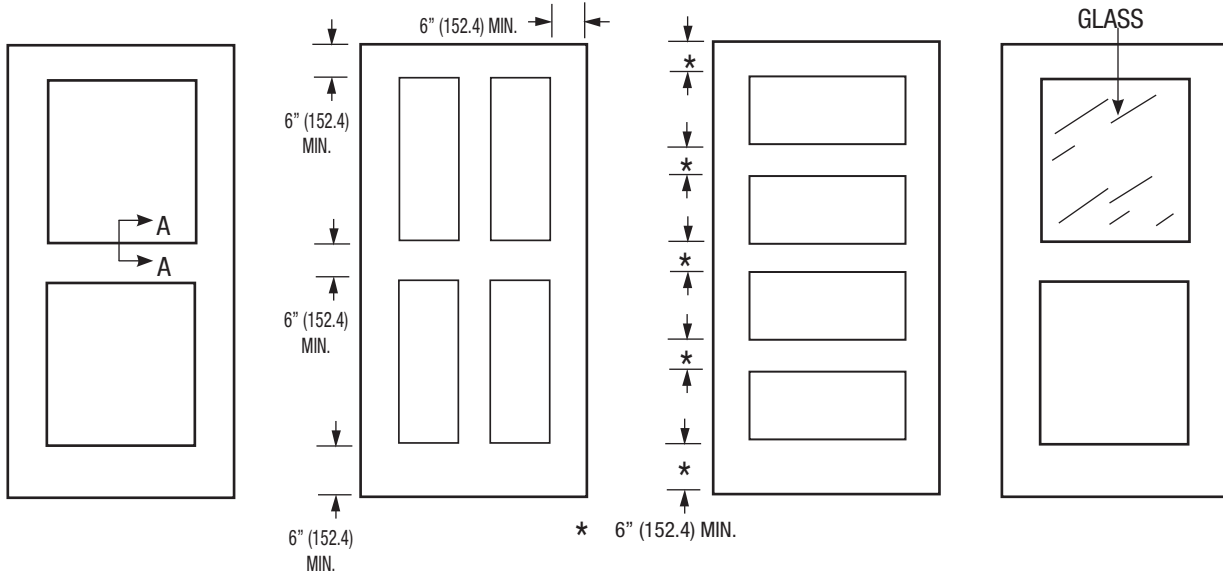
	Series	Skin Gauges	Door Thickness Inches (mm)	L607	L707	L707	L707	L727 ⁽²⁾	L747	L747 TR ⁽²⁾	L747	L757	L777	L777E	L847	L857
				20 or 18 1 – 3/4 (44)	20 or 18 1 – 3/8 (35)	20, 18, 16 1 – 3/4 (44)	14 1 – 3/4 (44)	18 or 16 1 – 3/4 (44)	18 or 16 1 – 3/4 (44)	18 or 16 1 – 3/4 (44)	14 1 – 3/4 (44)	16 or 14 1 – 3/4 (44)	18,16,14 1-3/4 (44)	18 or 16 1-3/4 (44)	14 1 – 3/4 (44)	14 2 (51)
	TYPE	RATING	MAXIMUM OPENING SIZE													
	SINGLE FLUSH	180 min. 90 min. 60 min. 45 min. 20 min.	4070 (1219x2134)	3472 (1016x2184)	4080 (1219x2438)	4080 (1219x2438)	4080 (1219x2438)	40100 (1219x3048)	40100 (1219x3048)	4080 (1219x2438)	4080 (1219x2438)	4080 (1219x2438)	4080 (1219x2438)	4080 (1219x2438)	4080 (1219x2438)	4080 (1219x2438)
	PAIR FLUSH	180 min. 90 min. 60 min. 45 min. 20 min.	8070 (2438x2134)		8080 (2438x2438)	8080 (2438x2438)	8080 (2438x2438)	80100 (2438x3048)	80100 (2438x3048)	8080 (2438x2438)	8080 (2438x2438)	8080 (2438x2438)	8080 (2438x2438)	8080 (2438x2438)	8080 (2438x2438)	
	DBL EGRESS FLUSH	180 min. 90 min. 60 min. 45 min. 20 min.	6070 (1829x2134)		6080 (1829x2438)	6080 (1829x2438)	8080 (2438x2438)	80100 (2438x3048)	80100 (2438x3048)	8080 (2438x2438)					8080 (2438x2438)	
	SINGLE LOUVER	90 min. 45 min.	4070 (1219x2134)		4080 (1219x2438)	4080 (1219x2438)		40100 (1219x3048)	40100 (1219x3048)	4080 (1219x2438)			4080 (1219x2438)	4080 (1219x2438)	4080 (1219x2438)	4080 (1219x2438)
	PAIR LOUVER	90 min. 45 min.	8070 (2438x2134)		8080 (2438x2438)	8080 (2438x2438)		80100 (2438x3048)	80100 (2438x3048)	8080 (2438x2438)			8080 (2438x2438)	8080 (2438x2438)	8080 (2438x2438)	
	DUTCH DOOR FLUSH	180 min. 90 min. 60 min. 45 min. 20 min.						3872 (1118x2184)	3872 (1118x2184)							
	SINGLE EMBOSSED PANEL	180 min. 90 min. 45 min. 20 min.			3470 (1016x2134) 3670 ⁴ (1067x2134)							3470 (1016x2134)				
	PAIR EMBOSSED PANEL	180 min. 90 min. 45 min. 20 min.			6870 (2032x2134) 7070 ⁴ (2032x2134)											
	SINGLE FULL GLASS	20 min. without hose stream			4080 (1219x2438)	4080 (1219x2438)		4080 (1219x2438)		4080 (1219x2438)			4080 (1219x2438)	4080 (1219x2438)		
	PAIR FULL GLASS	20 min. without hose stream			8080 (2438x2438)	8080 (2438x2438)		8080 (2438x2438)		8080 (2438x2438)			8080 (2438x2438)	8080 (2438x2438)		
NOTES: 1) SEE DOOR GLAZING SPECIFICATIONS FOR GLAZING REQUIREMENTS 2) 180, 90, 60, 45 MIN. LABELS ONLY 3) MINERAL CORE PANEL 4) 18 GAUGE																
	SINGLE ³ PANEL DOOR	90 min. 45 min. 20 min.			4080 (1219x2438)	4080 (1219x2438)		4080 (1219x2438)		4080 (1219x2438)						

NOTES: SEE PAGE 9 FOR MORE INFORMATION ON PANEL DOORS

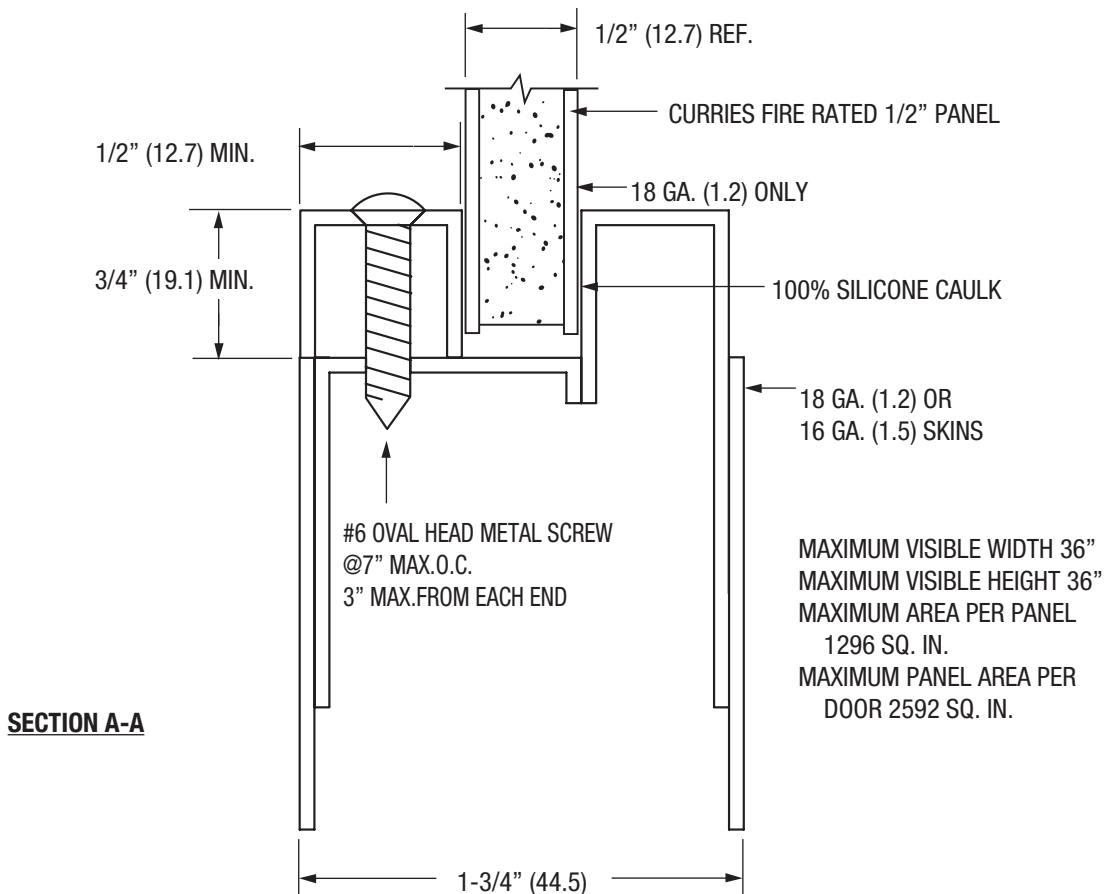
February, 2010

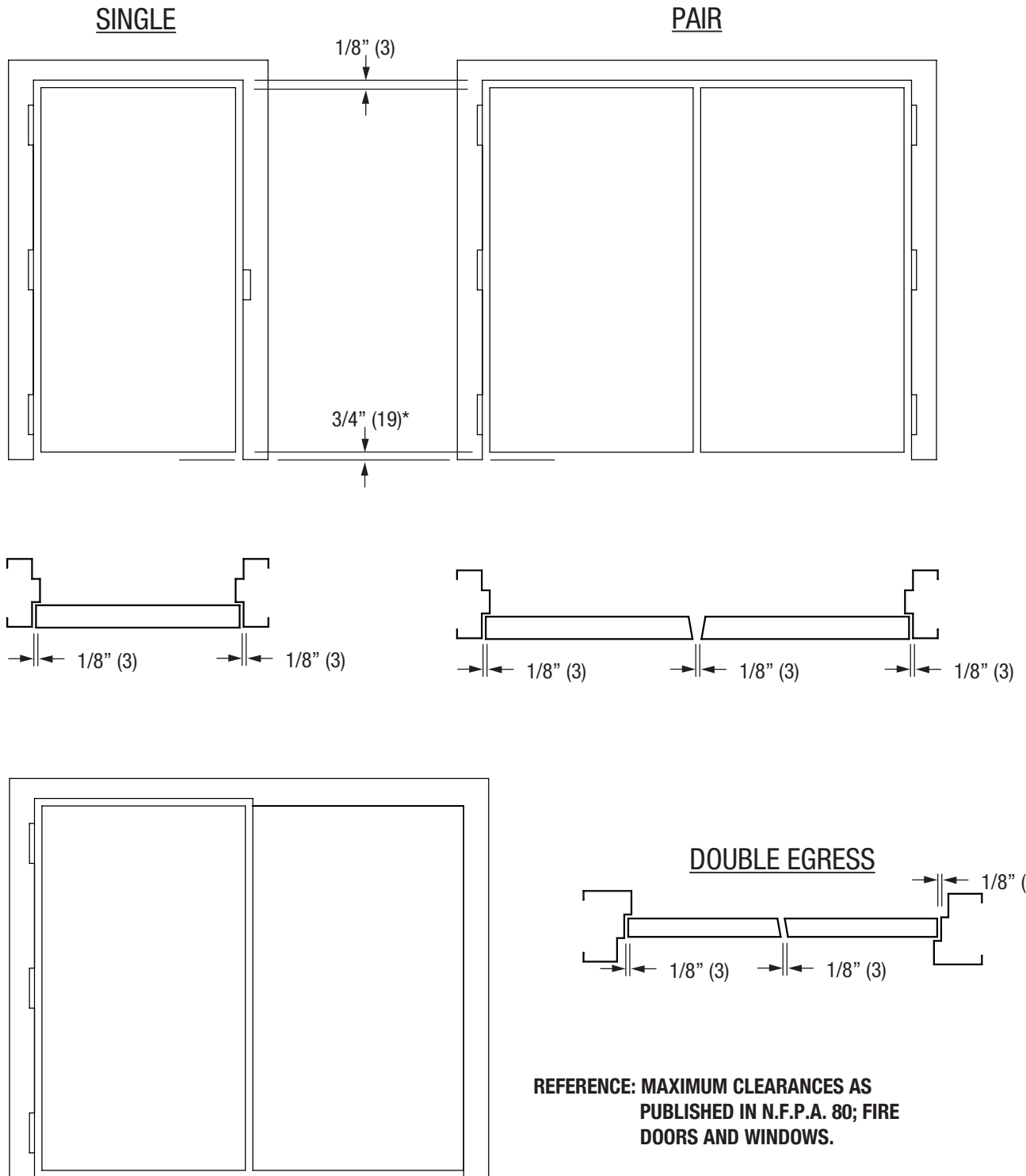
**90 MINUTE MAXIMUM RATING.
UL ONLY**

TYPICAL FACE TYPES



6" MINIMUM STILE AND RAIL





*CURRIES STANDARD UNDERCUT IS 5/8" (16)

8 KD Fire Door Frame Capabilities Chart



ASSA ABLOY

Fire Rated Products

August, 2014

HOUR RATING		180 (3 HOUR) MASONRY WALLS ONLY	90 (1-1/2 HOUR)	45 (3/4 HOUR)	20 (20 MINUTE)
PROFILE TYPE	MAT'L GAUGE	JAMB DEPTH SIZES ⁽⁷⁾			
1" FACE FRAME M	16 14 12	4" MIN. - 14" MAX. (102) - (356)	4" MIN. - 14" MAX. (102) - (356)	4" MIN. - 14" MAX. (102) - (356)	4" MIN. - 14" MAX. (102) - (356)
1-1/4" - 4" FACE FRAME M	16 14 12	3-1/4" ⁽³⁾ MIN. - 14" MAX. (83) - (356)	3-1/4" ⁽³⁾ MIN. - 14" MAX. (83) - (356)	3-1/4" ⁽³⁾ MIN. - 14" MAX. (83) - (356)	3-1/4" ⁽³⁾ MIN. - 14" MAX. (83) - (356)
CM	16 14	3-1/4" ⁽⁴⁾ MIN. - 14" MAX. (83) - (356) ⁽²⁾	3-1/4" ⁽³⁾ MIN. - 14" MAX. (83) - (356)	3-1/4" ⁽³⁾ MIN. - 14" MAX. (83) - (356)	3-1/4" ⁽³⁾ MIN. - 14" MAX. (83) - (356)
C ^(1, 6)	16 14	NOT AVAILABLE	3-1/4" ⁽³⁾ MIN. - 14" MAX. (83) - (356)	3-1/4" ⁽³⁾ MIN. - 14" MAX. (83) - (356)	3-1/4" ⁽³⁾ MIN. - 14" MAX. (83) - (356)
C ^(1, 6)	16 14	NOT AVAILABLE	4-5/8" MIN. - 14" MAX. (117) - (356)	4-5/8" MIN. - 14" MAX. (117) - (356)	4-5/8" MIN. - 14" MAX. (117) - (356)
G ⁽¹⁾	16 14 12	NOT AVAILABLE	3-1/4" ⁽²⁾ MIN. - 14" MAX. (83) - (356)	3-1/4" ⁽³⁾ MIN. - 14" MAX. (83) - (356)	3-1/4" ⁽³⁾ MIN. - 14" MAX. (83) - (356)
CMG	16 14	3-1/4" ⁽³⁾ MIN. - 14" MAX. (83) - (356) ⁽²⁾	3-1/4" ⁽³⁾ MIN. - 14" MAX. (83) - (356)	3-1/4" ⁽³⁾ MIN. - 14" MAX. (83) - (356)	3-1/4" MIN. - 14" MAX. (83) - (356)
DEM	16 14 12	4-3/4" MIN. - 14" MAX. (121) - (356)	4-3/4" MIN. - 14" MAX. (121) - (356)	4-3/4" MIN. - 14" MAX. (121) - (356)	4-3/4" MIN. - 14" MAX. (121) - (356)
WM	16 14	5-1/4" MIN. - 14" MAX (133) - (356)	5-1/4" MIN. - 14" MAX. (133) - (356)	5-1/4" MIN. - 14" MAX. (133) - (356)	5-1/4" MIN. - 14" MAX. (133) - (356)
WCM	16 14	5-1/4" MIN. - 14" MAX. (133) - (356)	5-1/4" MIN. - 14" MAX. (133) - (356)	5-1/4" MIN. - 14" MAX. (133) - (356)	5-1/4" MIN. - 14" MAX. (133) - (356)
WG	16 14	4-1/8" MIN. - 14" MAX. (105) - (356)	4-1/8" MIN. - 14" MAX. (105) - (356)	4-1/8" MIN. - 14" MAX. (105) - (356)	4-1/8" MIN. - 14" MAX. (105) - (356)
WCG	16 14	4-1/8" MIN. - 14" MAX. (105) - (356)	4-1/8" MIN. - 14" MAX. (105) - (356)	4-1/8" MIN. - 14" MAX. (105) - (356)	4-1/8" MIN. - 14" MAX. (105) - (356)
WC ⁽¹⁾	16	NOT AVAILABLE	4-5/8" MIN. - 14" MAX. (118) - (356)	4-5/8" MIN. - 14" MAX. (118) - (356)	4-5/8" MIN. - 14" MAX. (118) - (356)

(1) COMPRESSION ANCHOR

(3) 3-1/4"-4" JAMB DEPTH FOR 1-3/8" DOORS ONLY

(5) 18 GAUGE AVAILABLE - SEE FOLLOWING PAGES

(7) SAME PROFILE FOR HEAD & JAMB

(2) ONLY MASONRY WALLS WITH APPROVED CORNER CLIP

(4) MASONRY WALLS ONLY

(6) 14 GA. AVAILABLE IN 2" FACE ONLY

NEUTRAL AND POSITIVE PRESSURE

HOUR RATING		180 (3 HOUR) MASONRY WALLS ONLY	90 (1-1/2 HOUR)	45 (3/4 HOUR)	20 (20 MINUTE)
PROFILE TYPE	MAT'L GAUGE	OPENING SIZES ⁵			
1" FACE FRAME M	16 14 12	SINGLE: 4'0" X 8'0" PAIRS: 8'0" X 7'0"	SINGLE: 4'0" X 8'0" PAIRS: 8'0" X 7'0"	SINGLE: 4'0" X 8'0" PAIRS: 8'0" X 7'0"	SINGLE: 4'0" X 8'0" PAIRS: 8'0" X 7'0"
1-1/4" - 4" FACE FRAME M	16 14 12	SINGLE: 4'0" X 10'0" PAIRS: 8'0" X 10'0"	SINGLE: 4'0" X 10'0" PAIRS: 8'0" X 10'0"	SINGLE: 4'0" X 10'0" PAIRS: 8'0" X 10'0"	SINGLE: 4'0" X 10'0" PAIRS: 8'0" X 10'0"
CM	16 14	SINGLE: 4'0" X 10'0" (1) PAIRS: 8'0" X 10'0"	SINGLE: 4'0" X 10'0" PAIRS: 8'0" X 10'0"	SINGLE: 4'0" X 10'0" PAIRS: 8'0" X 10'0"	SINGLE: 4'0" X 10'0" PAIRS: 8'0" X 10'0"
C ^{(1, (4)}	16	NOT AVAILABLE	SINGLE: 3'6" X 7'0"	SINGLE: 3'6" X 7'0"	SINGLE: 3'6" X 7'0"
C ⁽¹⁾	16	NOT AVAILABLE	SINGLE: 4'0" X 9'0" PAIRS: 8'0" X 7'2" - OR - 7'0" X 9'0"	SINGLE: 4'0" X 9'0" PAIRS: 8'0" X 7'2" - OR - 7'0" X 9'0"	SINGLE: 4'0" X 9'0" PAIRS: 8'0" X 7'2" - OR - 7'0" X 9'0"
G ⁽¹⁾	16 14 12	SINGLE: 4'0" X 10'0" PAIRS: 8'0" X 10'0"	SINGLE: 4'0" X 10'0" PAIRS: 8'0" X 10'0"	SINGLE: 4'0" X 10'0" PAIRS: 8'0" X 10'0"	SINGLE: 4'0" X 10'0" PAIRS: 8'0" X 10'0"
CMG	16 14	SINGLE: 4'0" X 10'0" PAIRS: 8'0" X 10'0" (2)	SINGLE: 4'0" X 10'0" PAIRS: 8'0" X 10'0"	SINGLE: 4'0" X 10'0" PAIRS: 8'0" X 10'0"	SINGLE: 4'0" X 10'0" PAIRS: 8'0" X 10'0"
DEM	16 14 12	PAIRS: 8'0" X 10'0" (2)	PAIRS: 8'0" X 10'0"	PAIRS: 8'0" X 10'0"	PAIRS: 8'0" X 10'0"
WM	16 14	SINGLE: 4'0" X 10'0" PAIRS: 8'0" X 10'0"	SINGLE: 4'0" X 10'0" PAIRS: 8'0" X 10'0"	SINGLE: 4'0" X 10'0" PAIRS: 8'0" X 10'0"	SINGLE: 4'0" X 10'0" PAIRS: 8'0" X 10'0"
WCM	16 14	SINGLE: 4'0" X 10'0" PAIRS: 8'0" X 10'0" (2)	SINGLE: 4'0" X 10'0" PAIRS: 8'0" X 10'0"	SINGLE: 4'0" X 10'0" PAIRS: 8'0" X 10'0"	SINGLE: 4'0" X 10'0" PAIRS: 8'0" X 10'0"
WG	16 14	SINGLE: 4'0" X 10'0" PAIRS: 8'0" X 10'0"	SINGLE: 4'0" X 10'0" PAIRS: 8'0" X 10'0"	SINGLE: 4'0" X 10'0" PAIRS: 8'0" X 10'0"	SINGLE: 4'0" X 10'0" PAIRS: 8'0" X 10'0"
WCG	16 14	SINGLE: 4'0" X 10'0" PAIRS: 8'0" X 10'0" (2)	SINGLE: 4'0" X 10'0" PAIRS: 8'0" X 10'0"	SINGLE: 4'0" X 10'0" PAIRS: 8'0" X 10'0"	SINGLE: 4'0" X 10'0" PAIRS: 8'0" X 10'0"
WC ⁽¹⁾	16	NOT AVAILABLE	SINGLE: 4'0" X 9'0" PAIRS: 8'0" X 7'2" - OR - 7'0" X 9'0"	SINGLE: 4'0" X 9'0" PAIRS: 8'0" X 7'2" - OR - 7'0" X 9'0"	SINGLE: 4'0" X 9'0" PAIRS: 8'0" X 7'2" - OR - 7'0" X 9'0"

(1) COMPRESSION ANCHOR

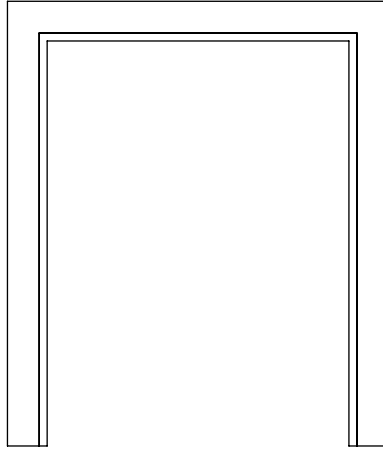
(3) 18 GAUGE AVAILABLE - SEE FOLLOWING PAGES

(5) SAME PROFILE FOR HEAD & JAMB

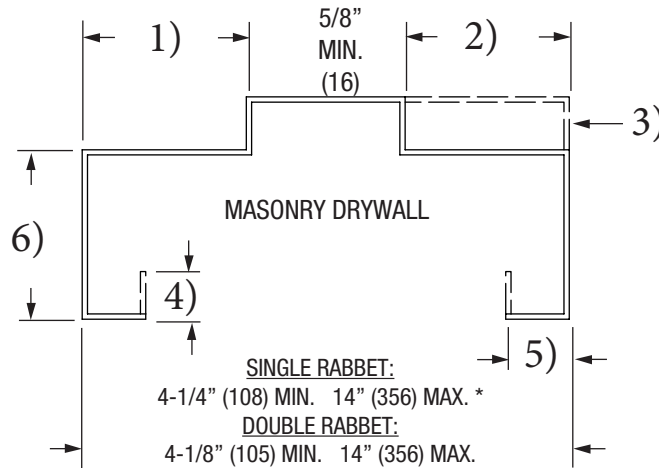
(2) ONLY MASONRY WALLS WITH APPROVED CORNER CLIP

(4) 1-3/8" DOORS ONLY

August, 2014

90 MINUTE MAXIMUM RATING**GENERAL NOTES:**

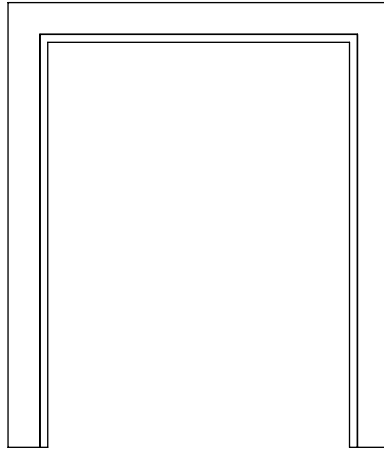
- 1) TO SUIT DOOR THICKNESS
- 2) VARIES
- 3) PROFILE VARIABLE
- 4) 3/8" (10) MIN.
3/4" (19) MAX.
- 5) 3/8" (10) MIN.
1-3/8" (35)
- 6) 1-1/4" (32)*
4" (102) MAX. JAMB
6" (152) MAX. HEAD



90 MINUTE MAXIMUM RATING - DRYWALL WALLS (WARNOCK HERSEY LISTING ONLY)	
MAXIMUM FRAME SIZES	
MASONRY, DRYWALL:	SINGLE — 4'0" (1219) W X 8'0" (2438) H PAIRS — 8'0" (2438) W X 8'0" (2438) H
WALL CONSTRUCTION:	DRYWALL OR MASONRY WALLS
FRAME CORNER CONSTRUCTION:	KD, FACE WELD, OR CONTINUOUS WELD
ANCHORS:	ANY LISTED WELD-IN OR SLIP-IN DRYWALL OR MASONRY TYPE. ANCHOR MAY BE USED IN THIS FRAME. (COMPRESSION ANCHORS NOT ALLOWED)
MATERIAL:	18 GA. (1.2) MIN. COLD ROLLED OR GALVANIZED STEEL
HARDWARE RESTRICTIONS	
A) HINGES:	STEEL (BALL BEARING - OIL LIGHT BUSHING) TYPE, POCKET PIVOT TYPE, STANDARD PIVOT TYPE, ANCHOR TYPE, AND CONTINUOUS TYPE.
B) CLOSERS:	CLOSERS ARE REQUIRED ON ALL FRAMES WHICH ARE TO BE FIRE LABELED, REGARDLESS OF THE HOURLY RATING. IF A LABEL APPROVED REINFORCEMENT IS NOT PROVIDED, THE CLOSER MUST BE THROUGH -BOLTED TO THE FRAME. IN LIEU OF A CLOSER, SPRING HINGES MUST BE USED.
C) STRIKES:	STANDARD STRIKES FOR VARIOUS TYPES OF LISTED HARDWARE MAY BE USED.
D) HARDWARE MULLION:	IT IS PERMISSIBLE TO USE A LISTED HARDWARE MULLION IN A PAIR CONFIGURATION.
<p>NOTE: ANY HARDWARE WHICH IS TO BE USED ON FIRE RATED DOORS AND FRAMES SHOULD BE CONFIRMED FOR LABEL APPROVAL USING THE LATEST EDITION OF THE U.L. FIRE RESTRICTIVE DIRECTORY VOL. 3, OR ITS/WHI DIRECTORY OF LISTED PRODUCTS.</p> <p>FACE WELDING COMPLETELY ASSEMBLED AND INSTALLED KD FRAMES IN THE FIELD IS AN ACCEPTABLE PRACTICE, CONTACT FACTORY FOR DETAILS.</p>	

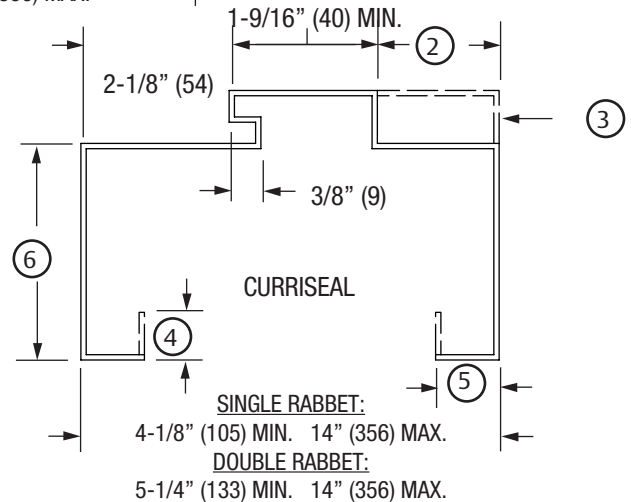
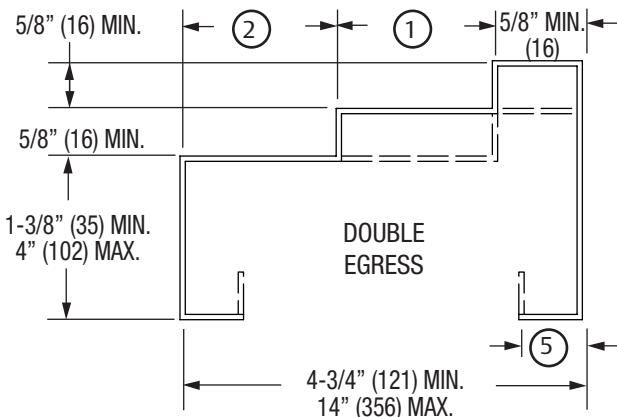
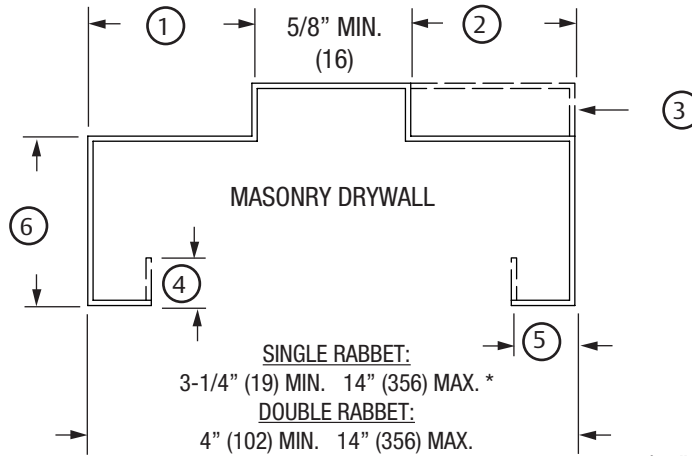
February, 2016

180 MINUTE MAXIMUM RATING - MASONRY WALLS
90 MINUTE MAXIMUM RATING - DRYWALL WALLS



GENERAL NOTES:

- ① TO SUIT DOOR THICKNESS
- ② VARIES
- ③ PROFILE VARIABLE
- ④ 3/8" (10) MIN.
3/4" (19) MAX.
- ⑤ 3/8" (10) MIN.
1-3/8" (35)
- ⑥ 1-1/4" (32)*
4" (102) MAX. JAMB
8" (204)¹ MAX. HEAD



Compression anchors not available in label construction

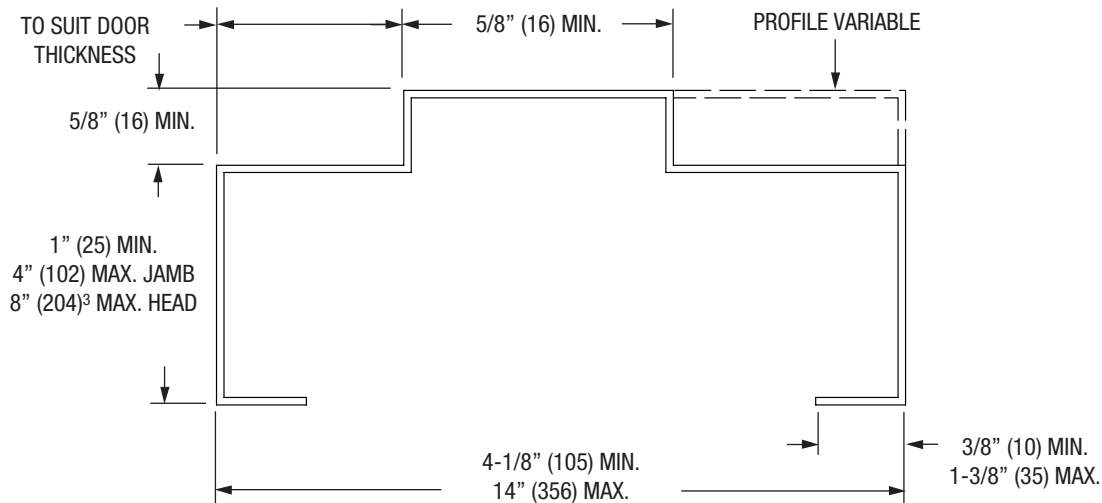
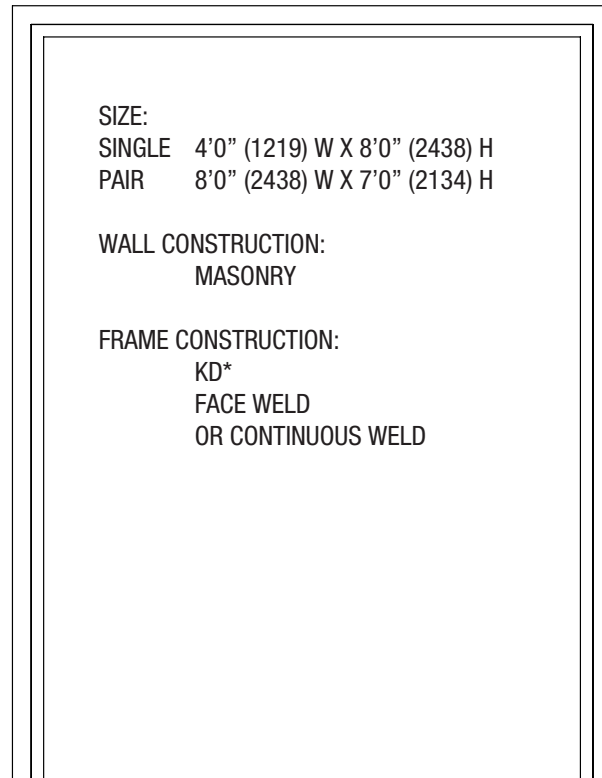
* 3-1/4" to 4" jamb depth for 1-3/8" door only.

1) Heads with greater than 4" face are UL label only.

180 MINUTE MAXIMUM RATING - MASONRY WALLS 90 MINUTE MAXIMUM RATING - DRYWALL WALLS	
MAXIMUM FRAME SIZES	
MASONRY, DRYWALL:	SINGLE — 4'0" (1219) W X 10'0" (3048) H PAIRS — 8'0" (2438) W X 10'0" (3048) H
DOUBLE EGRESS:	PAIRS ONLY — 8'0" (2438) W X 10'0" (3048) H COMPRESSION ANCHOR NOT AVAILABLE IN LABEL CONSTRUCTION
CURRISEAL:	SINGLE — 4'0" (1219) W X 10'0" (3048) H PAIRS — 8'0" (2438) W X 10'0" (3048) H
WALL CONSTRUCTION:	DRYWALL OR MASONRY WALLS
FRAME CORNER CONSTRUCTION:	KD, FACE WELD, OR CONTINUOUS WELD
ANCHORS:	ANY LISTED WELD-IN OR SLIP-IN DRYWALL OR MASONRY TYPE ANCHOR MAY BE USED IN THIS FRAME.
MATERIAL:	16 GA. (1.5) MIN. 12 GA. (2.6) MAX. COLD ROLLED OR GALVANIZED STEEL
MULLIONS:	WELDED OR REMOVABLE HOLLOW METAL MULLIONS ARE PERMITTED.
HARDWARE RESTRICTIONS	
A) HINGES:	STEEL (BALL BEARING - OIL LIGHT BUSHING) TYPE, POCKET PIVOT TYPE, STANDARD PIVOT TYPE, ANCHOR TYPE, AND CONTINUOUS TYPE.
B) CLOSERS:	CLOSERS ARE REQUIRED ON ALL FRAMES WHICH ARE TO BE FIRE LABELED, REGARDLESS OF THE HOURLY RATING. IF A LABEL APPROVED REINFORCEMENT IS NOT PROVIDED, THE CLOSER MUST BE THROUGH -BOLTED TO THE FRAME. IN LIEU OF A CLOSER, SPRING HINGES MUST BE USED.
C) STRIKES:	STANDARD STRIKES FOR VARIOUS TYPES OF LISTED HARDWARE MAY BE USED.
D) HARDWARE MULLION:	IT IS PERMISSIBLE TO USE A LISTED HARDWARE MULLION IN A PAIR CONFIGURATION.
<p>NOTE: ANY HARDWARE WHICH IS TO BE USED ON FIRE RATED DOORS AND FRAMES SHOULD BE CONFIRMED FOR LABEL APPROVAL USING THE LATEST EDITION OF THE U.L. FIRE RESTRICTIVE DIRECTORY VOL. 3, OR ITS/WHI DIRECTORY OF LISTED PRODUCTS.</p> <p>FACE WELDING COMPLETELY ASSEMBLED AND INSTALLED KD FRAMES IN THE FIELD IS AN ACCEPTABLE PRACTICE, CONTACT FACTORY FOR DETAILS.</p>	

August, 2014

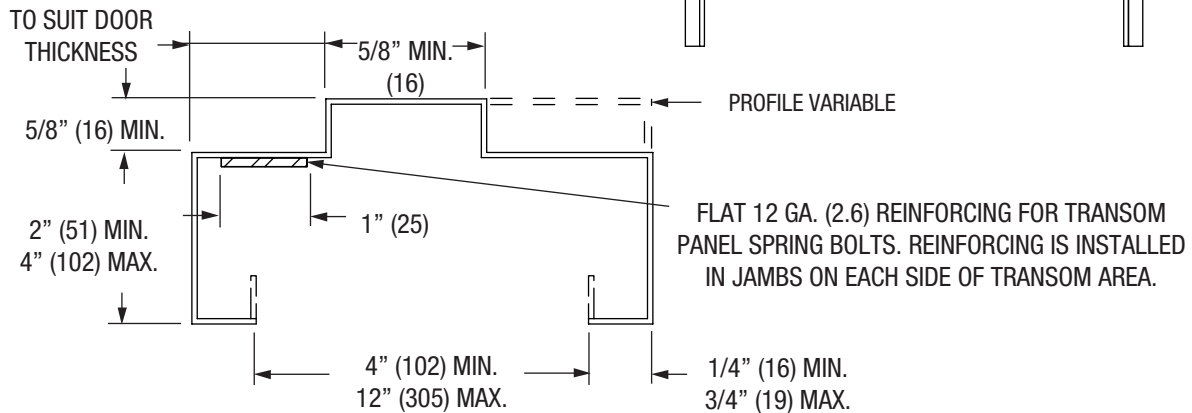
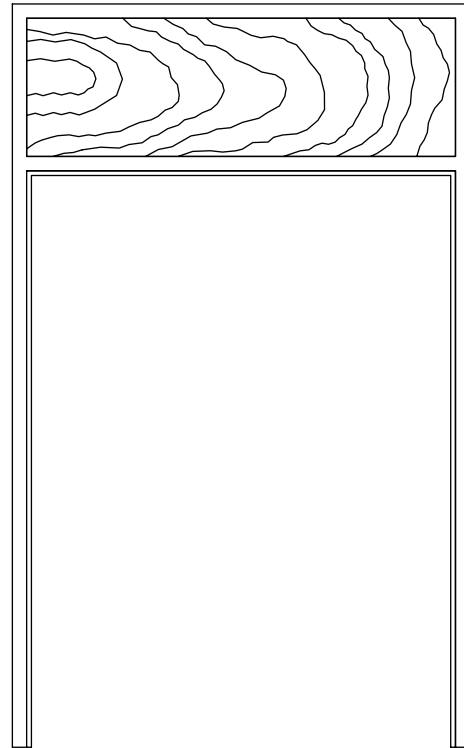
**1" FACE DOOR FRAME
MASONRY WALL CONSTRUCTION
180 MINUTE MAXIMUM FIRE RATING**



- 1) WELDED AND REMOVABLE MULLIONS MAY BE USED WITH THIS FRAME.
- 2) ANY LISTED WELD IN OR SLIP IN MASONRY ANCHOR MAY BE USED IN THIS FRAME.
- 3) HEADS WITH GREATER THAN 4" FACE ARE UL LABEL ONLY.

WOOD TRANSOM PANEL
90 MINUTE MAXIMUM RATING

- FRAME SIZE:**
 4"0" (1219) W X 11'0" (3353) SINGLE SWING
- WALL CONSTRUCTION:**
 MASONRY
 DRYWALL
- FRAME CONSTRUCTION:**
 CONTINUOUS WELD
- TRANSOM PANEL:**
 ANY LISTED WOOD TRANSOM PANEL
- MAX. PANEL SIZE:**
 BASED ON WOOD DOOR MANUFACTURER'S LISTING.
 1-1/2 HOUR MAX. LABEL RATING
- MAX. DOOR SIZE:**
 ANY LABELED DOOR

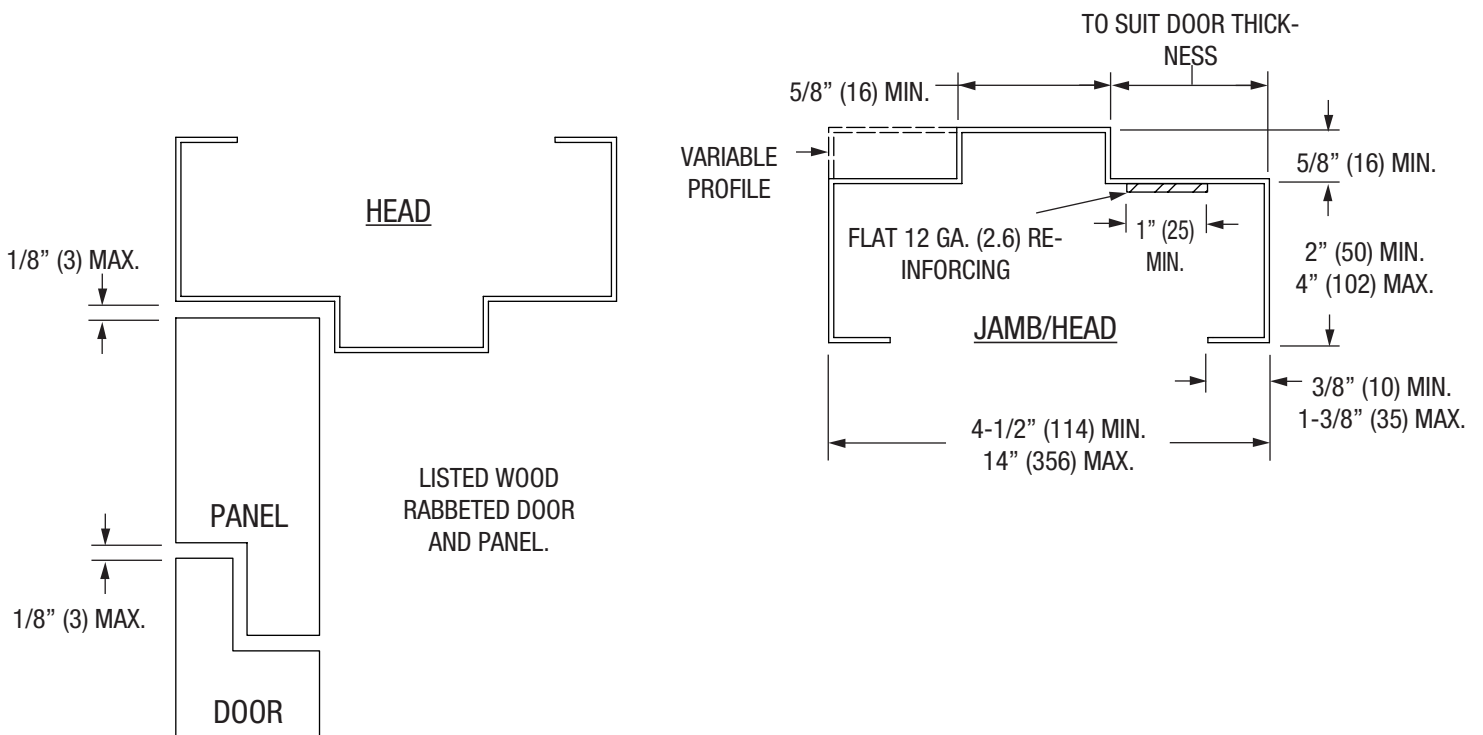
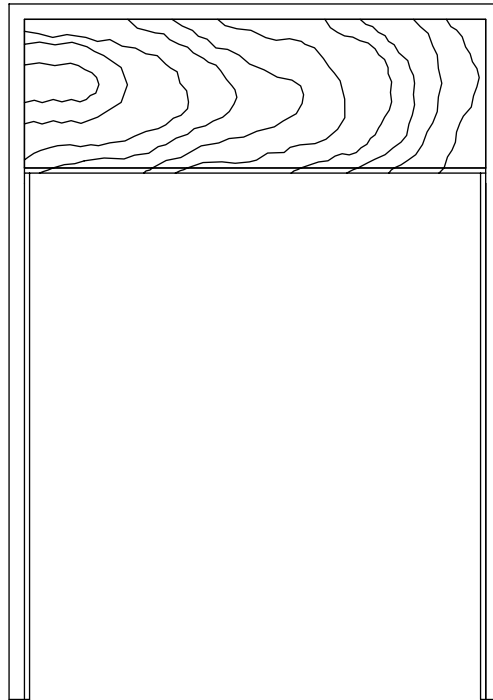


NOTES:

- 1) THIS FRAME IS CONSIDERED A TRANSOM FRAME AND MUST BEAR A LABEL WHICH STATES "FIRE DOOR FRAME WITH PANELS"
- 2) ATTACHMENT OF TRANSOM PANEL TO FRAME IS BY USE OF SPRING BOLTS THAT ARE PROVIDED WITH THE PANEL. (PANEL MAY ALSO BE ATTACHED TO FRAME BY OTHER MEANS AS ALLOWED BY THE PANEL MANUFACTURER'S LISTING.) SPRING BOLTS ENGAGE IN TO REINFORCED HOLES IN THE FRAME.
- 3) ANY LISTED WELD IN OR SLIP IN MASONRY OR DRYWALL ANCHOR MAY BE USED IN THIS FRAME. (COMPRESSION ANCHORS NOT ALLOWED).
- 4) SEE GLAZING CHARTS AND TRANSOM/SIDELITE FRAMES FOR ADDITIONAL CAPABILITIES.

August, 2014

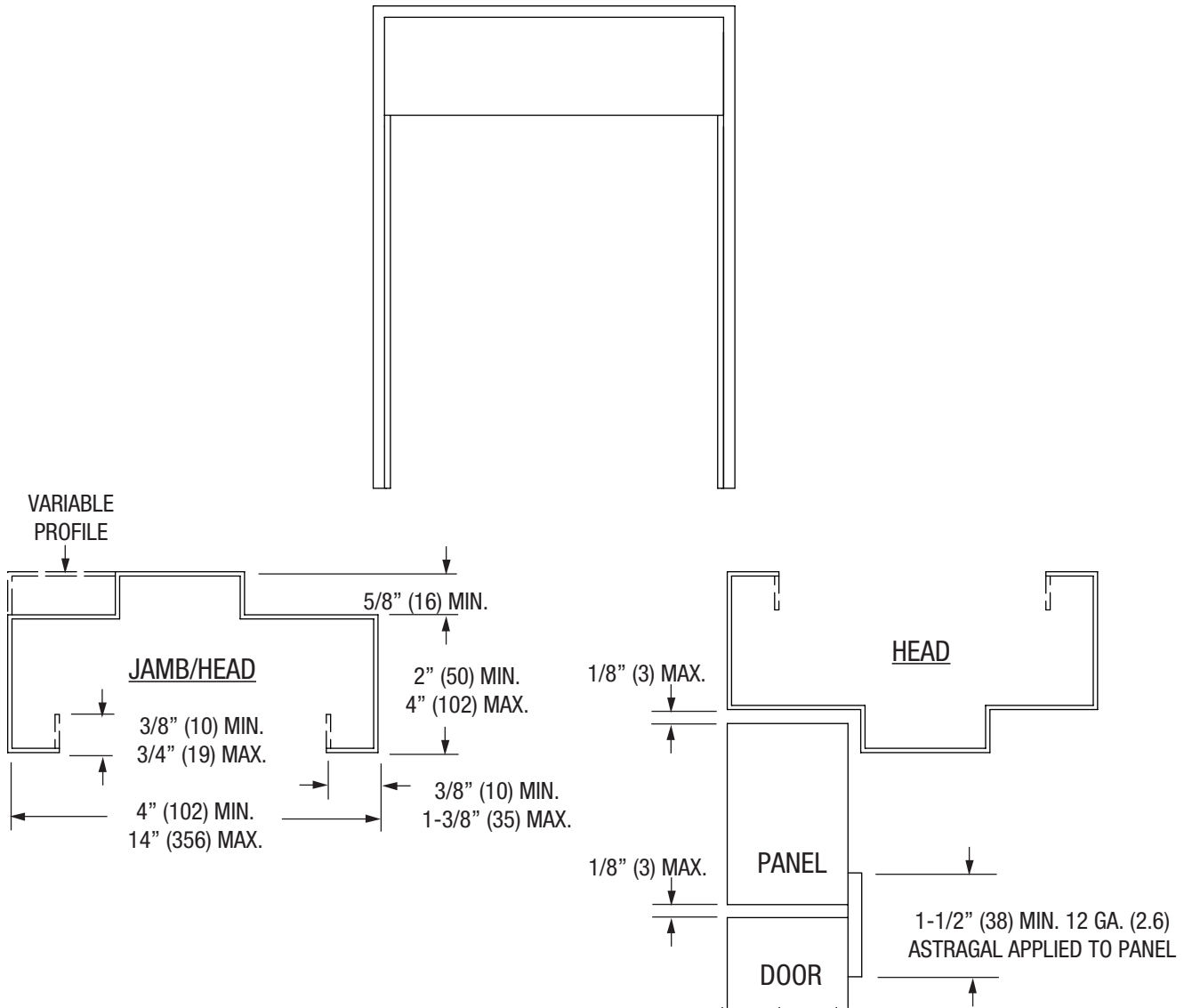
90 MINUTE MAXIMUM RATING.



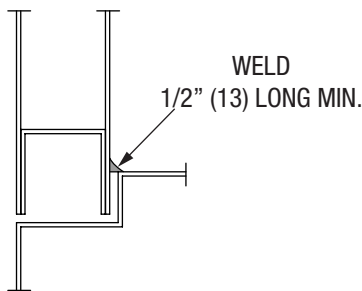
90 MINUTE MAXIMUM RATING	
MASONRY, DRYWALL:	4'0" (1219) X 10'0" (3048) AS KD 4'0" (1219) X 11'0" (3353) AS WELDED
MAXIMUM DOOR HEIGHT:	8'0" (2438)
WALL CONSTRUCTION:	MASONRY OR DRYWALL
FRAME CONSTRUCTION:	KD, FACE WELD, OR CONTINUOUS WELD
ANCHORS:	ANY LISTED WELD-IN OR SLIP-IN TYPE DRYWALL OR MASONRY ANCHORS MAY BE USED IN THIS FRAME. (COMPRESSION ANCHORS NOT ALLOWED).
MATERIAL:	COLD ROLLED AND GALVANIZED STEEL 16 GA. (1.5) MINIMUM TO 12 GA. (2.6) MAXIMUM
TRANSOM PANEL:	1-3/4" (44) THICKNESS MAXIMUM SIZE: 4'0" (1219) W X 4'0" (1219) H MAXIMUM LABEL RATING: 1-1/2 HOUR
<p>NOTE: 1) FLAT 12 GA. (2.6) REINFORCING FOR TRANSOM PANEL SPRING BOLTS. REINFORCING IS INSTALLED IN JAMBS ON EACH SIDE OF TRANSOM PANEL.</p> <p>2) THIS FRAME IS CONSIDERED A TRANSOM FRAME AND MUST BEAR A LABEL WHICH STATES: "FIRE DOOR FRAME WITH PANELS."</p> <p>3) ATTACHMENT OF TRANSOM PANEL TO FRAME IS BY USE OF SPRING BOLTS PROVIDED WITH THE PANEL. (PANEL MAY BE ATTACHED TO THE FRAME BY OTHER MEANS, AS ALLOWED BY THE PANEL MANUFACTURERS LISTINGS.) SPRING BOLTS ENGAGE INTO REINFORCED HOLES IN THE FRAME.</p> <p>4) CONTACT WOOD DOOR & PANEL MANUFACTURER FOR PANEL AND DOOR LIMITATIONS.</p>	

August, 2014

180 MINUTE MAXIMUM RATING.

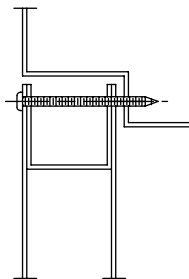


Fixed Panel Installation Options

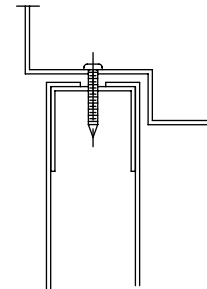


A
STANDARD

SEE FRAME SECTION PAGE 134 FOR
REMOVABLE PANEL DETAILS



B
OPTIONAL



C
OPTIONAL
THIS METHOD CANNOT BE
USED ON MULLION SECTIONS

180 MINUTE MAXIMUM RATING - MASONRY WALLS 90 MINUTE MAXIMUM RATING - DRYWALL WALLS	
MAXIMUM FRAME SIZE:	SINGLE — 4'0" (1219) W X 10'0" (3048) H PAIR — 8'0" (2438) W X 10'0" (3048) H
WALL CONSTRUCTION:	MASONRY OR DRYWALL (DRYWALL WALL INSTALLATION LIMITED TO 90 MINUTES)
FRAME CONSTRUCTION:	KD, FACE WELD, OR CONTINUOUS WELD
ANCHORS:	ANY LISTED WELD IN OR SLIP IN TYPE DRYWALL OR MASONRY ANCHORS MAY BE USED IN THIS FRAME. (COMPRESSION ANCHORS NOT ALLOWED).
MATERIAL:	COLD ROLLED AND GALVANIZED STEEL 16 GA. (1.5) MINIMUM TO 12 GA. (2.6) MAXIMUM
TRANSOM PANEL:	MUST BE 747 CONSTRUCTION. SINGLE: 4'0" (1219) W X 3'0" (1219) H MAX. PAIR: 8'0" (2438) W X 3'0" (1219) H
ASTRAGAL:	ASTRAGAL NOT REQUIRED ON ASSEMBLIES RATED 90.
DOORS:	MAXIMUM DOOR LEAF SIZE SINGLE & PAIRS - 707: 4'0" (1219) W X 10'0" (3048) H SINGLE & PAIRS - 747: 4'0" (1219) W X 10'0" (3048) H
<p>NOTE: 1) THIS FRAME IS CONSIDERED A TRANSOM FRAME AND MUST BEAR A LABEL WHICH STATES: "FIRE DOOR FRAME WITH PANELS" AND IS LIMITED TO THE SAME RESTRICTIONS AS OTHER TRANSOM FRAMES.</p> <p>2) SCREWS AND WELDS FOR PANEL ANCHORING SHALL BE AT 2-1/2" (64) FROM ENDS AND A MAXIMUM OF 12" (305) APART ON TOP AND BOTTOM EDGES AND 18" (457) APART ON SIDES. PANEL SCREWS SHALL BE MINIMUM #10 SIZE.</p>	

20
Compression Anchor (C-Type) Slip-on Drywall Frame

Fire Rated Products

August, 2014

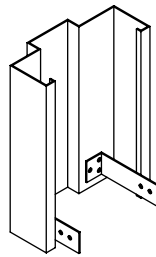
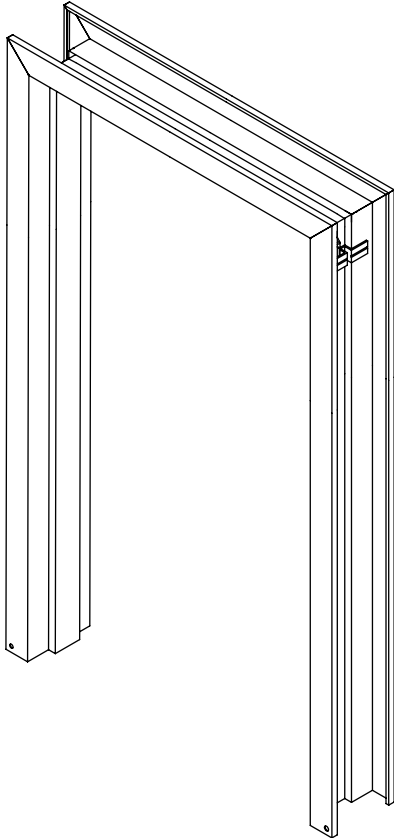
90 MINUTE MAXIMUM FIRE RATING.

SIZE:

SINGLE: 4'0" (1219) W X 9'0" (2743) H
 PAIR: 8'0" (2438) W X 7'2" (2184)
 7'0" (2134) W X 9'0" (2743) H

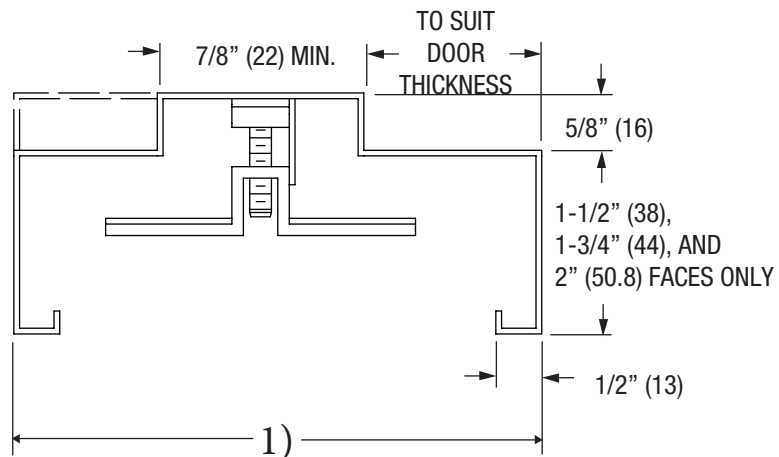
WALL CONSTRUCTION: DRYWALL

FRAME CONSTRUCTION: KD (WITH COMPRESSION ANCHOR SYSTEM)



- COUNTERSUNK BASE ANCHOR HOLE IS STANDARD ON 2" (51) FACE FRAMES, STRAP TYPE BASE ANCHOR OPTIONAL.

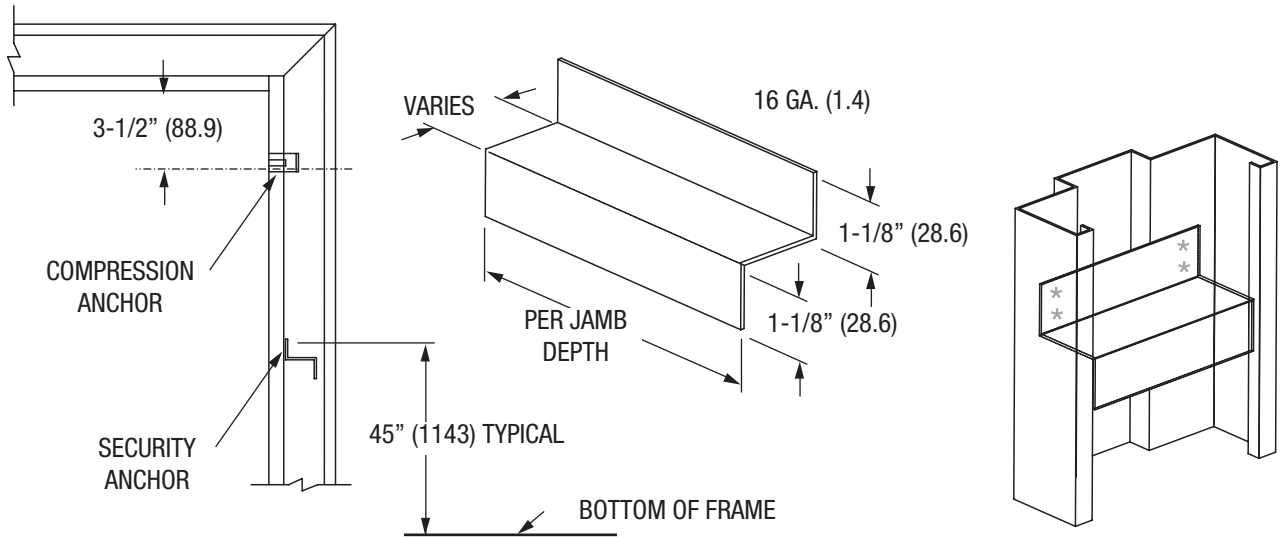
- STRAP TYPE BASE ANCHOR OPTIONAL ON 2" (50.8) FACE FRAMES AND MUST BE USED ON 1-1/2" (38) AND 1-3/4" (44) FACE FRAMES.



NOTE:

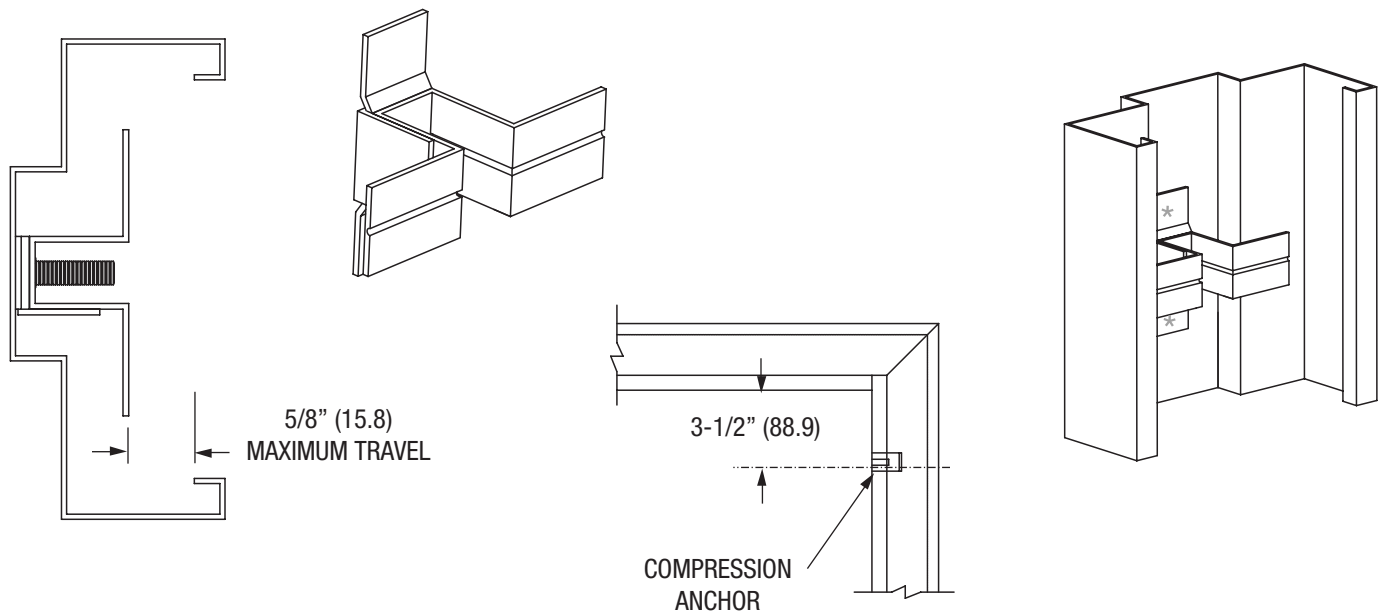
- 1) 3-1/4" (83) MIN. - 14" (356) MAX. FOR SINGLE OPENING FRAMES TO 3'6" (1067) WIDE X 7'0" (2134) HIGH
 4-5/8" (118) MIN. - 14" (356) MAX. FOR SINGLE OPENING FRAMES TO 4'0" (1219) WIDE X 9'0" (2743) HIGH AND DOUBLE OPENING FRAMES TO 7'0" (2134) WIDE X 9'0" HIGH OR 8'0" (203) WIDE X 7'2" (2184) HIGH
- 2) KD FRAMES OVER 7'2" (2136) UP TO 8' (2438.4) REQUIRE ONE SECURITY ANCHOR PER JAMB (SEE NEXT PAGE FOR DETAILS). FRAMES OVER 8' (2438.4) UP TO 9' (2743.2) REQUIRE THREE SECURITY ANCHOR IN EACH JAMB. FRAMES FOR PAIRS OF DOORS OVER 7'2" (2184.4) REQUIRE TWO SECURITY ANCHOR IN THE HEAD OF THE FRAME. ONE EACH 12" (304.8) FROM THE CENTERLINE OF THE FRAME HEAD.

ANCHOR PART NUMBER: P0028



Drywall Frame Compression Anchor

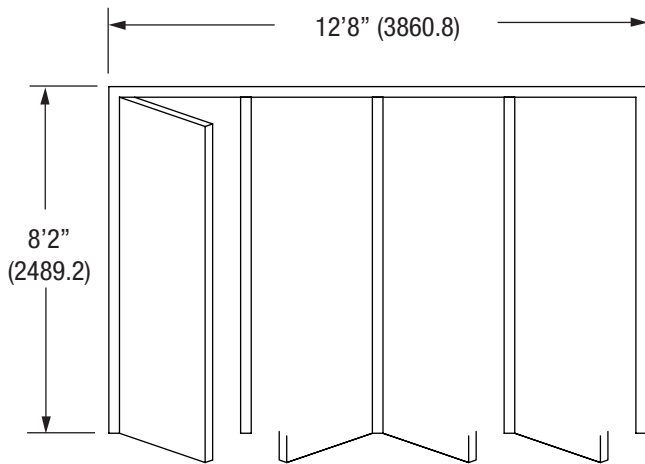
ANCHOR PART NUMBER: P0026



August, 2014

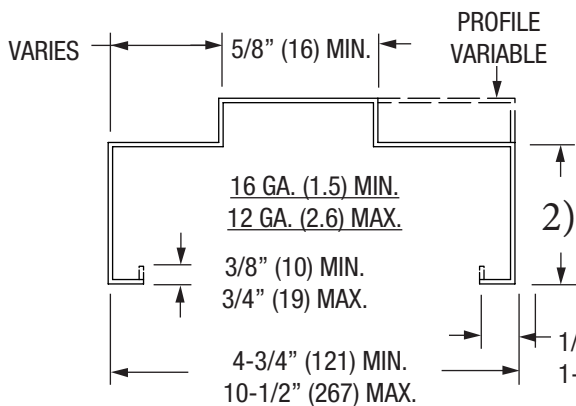
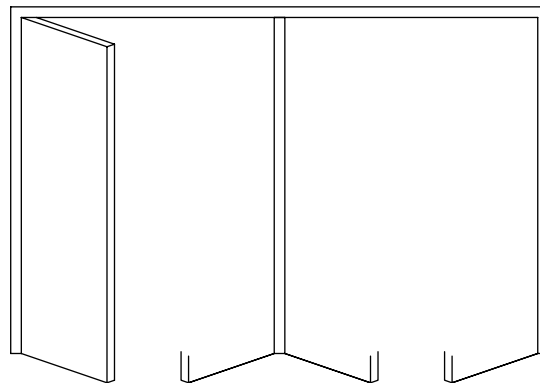
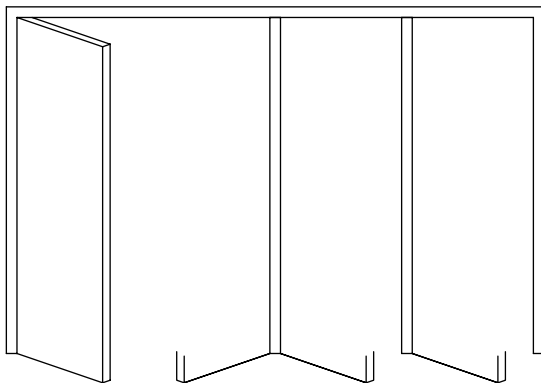
**90 MINUTE MAXIMUM FIRE RATING.
ELEVATION/SECTIONS**

FRAME AND DOOR CONFIGURATION MAY VARY



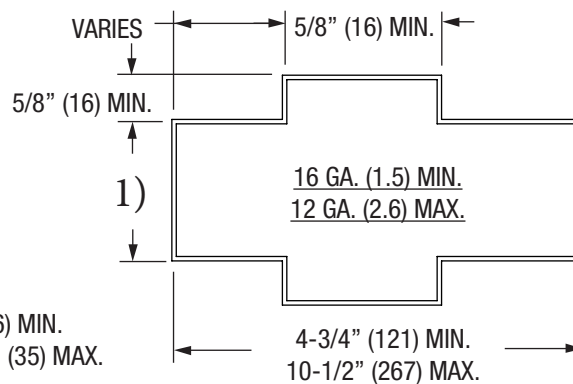
NOTES:

- 1) MAX. FOUR DOORS IN ANY COMBINATION OF SINGLE SWING, PAIRS, OR DOUBLE EGRESS PAIRS.
- 2) CURRIES MODEL 707.
- 3) 3/4" (19) LATCH BOLT THROW IS REQUIRED.
- 4) CYLINDRICAL, MORTISE, OR FIRE EXIT HARDWARE IS ACCEPTABLE.
- 5) WELDED CONSTRUCTION ONLY.
- 6) ANY LISTED WELD IN OR SLIP-IN DRYWALL OR MASONRY ANCHOR MAY BE USED IN THIS FRAME.
- 7) MAY BE PROVIDED AS A FOUR SIDED FRAME, REFER TO SILL ANCHOR REQUIREMENTS, SILL MUST BUTT BETWEEN VERTICAL FRAME MEMBERS.



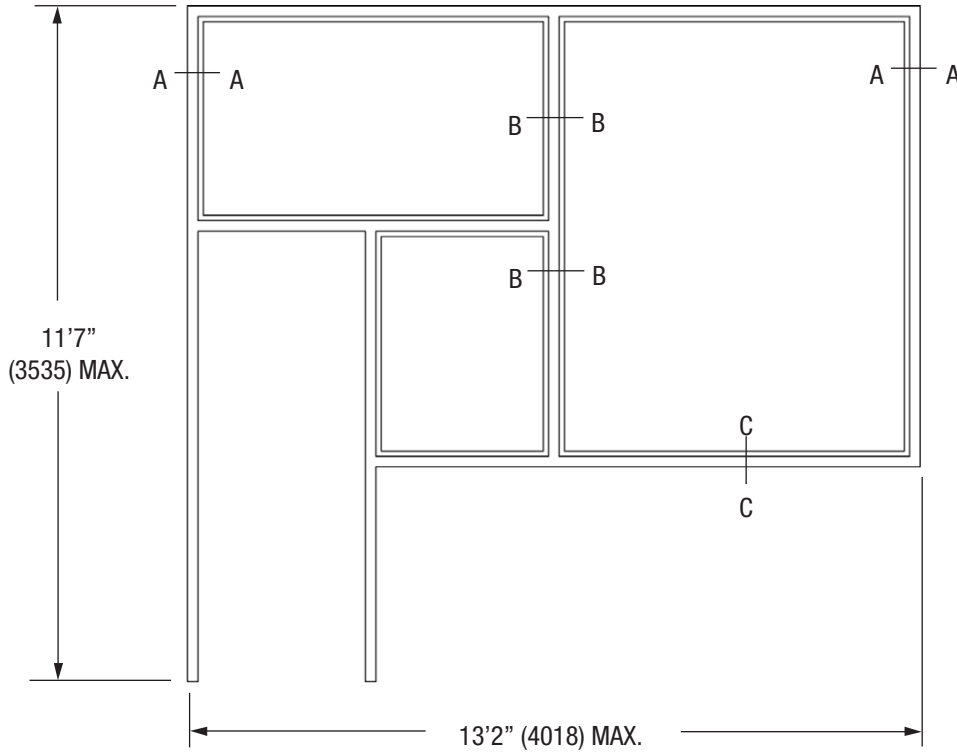
HEAD AND JAMB SECTION

1) 2" (51) MIN.
4" (102) MAX.



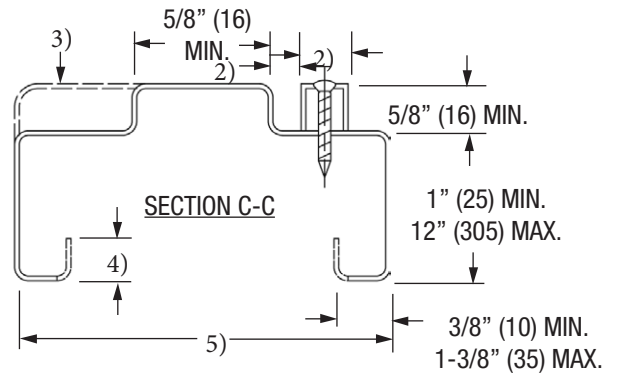
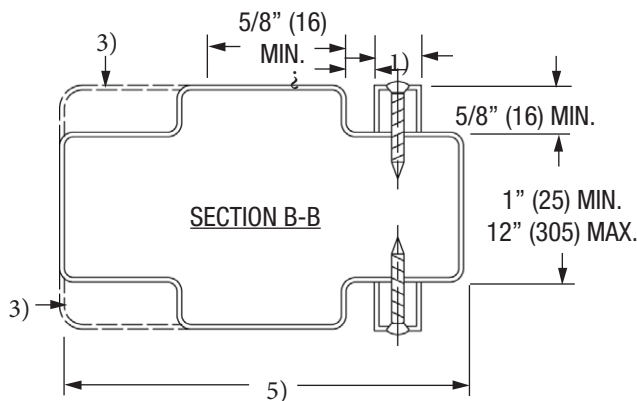
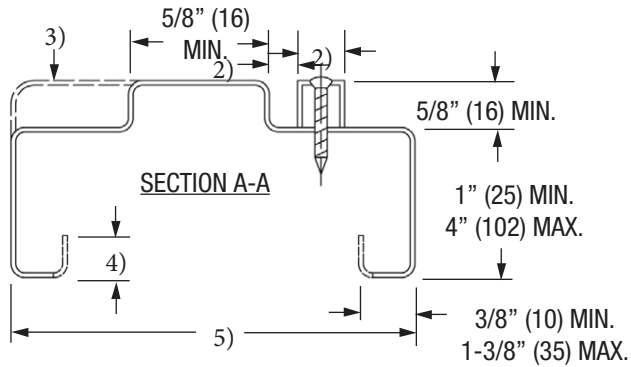
2) 2" (51) MIN.
2" (51) MAX. HEAD
4" (102) MAX. JAMB

**20 MINUTE WITHOUT HOSE STREAM MAXIMUM RATING
ELEVATION DETAILS**



GENERAL NOTES:

- 1) 3/8" (10) MIN. GLASS POCKET
- 2) 5/8" (16) MIN.
- 3) VARIABLE PROFILE
- 4) 3/8" (10) MIN.
3/4" (19) MAX.
- 5) 4-1/2" (124) MIN.
14" (356) MAX.



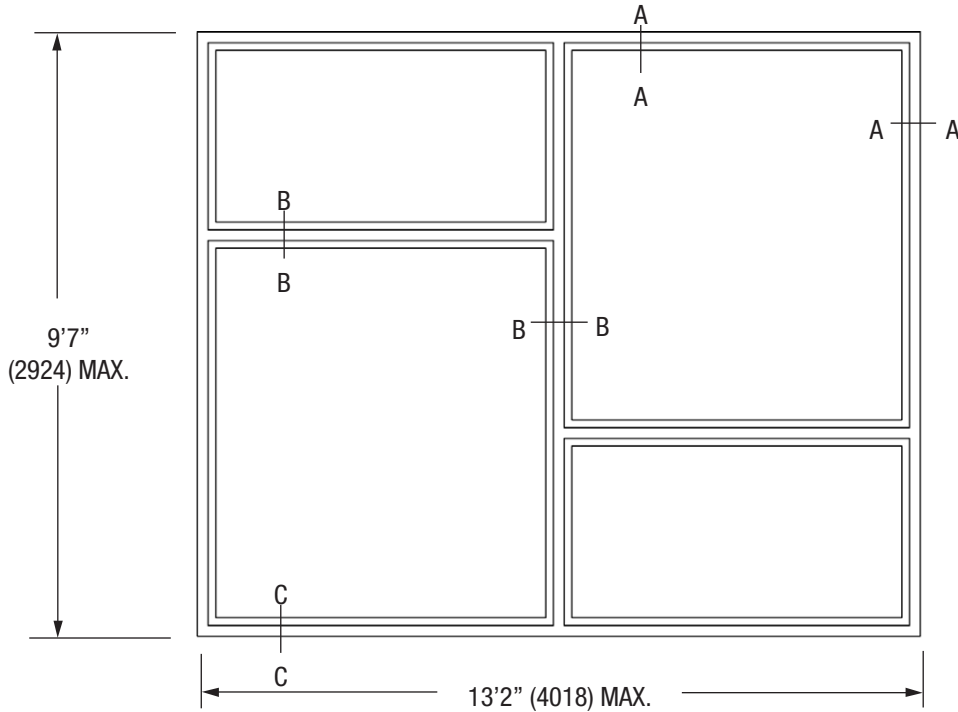
August, 2014

20 MINUTE WITHOUT HOSE STREAM MAXIMUM RATING.

MAXIMUM FRAME SIZE:	13'2" (4013) W X 11'7" (3531) H
MAXIMUM DOOR SIZE:	SINGLE — 4'0" (1219) W X 10'0" H PAIR — 8'0" (2438) W X 10'0" H
MAX. GLASS AREA: **SEE NOTES 1&2	5/8" (16) H X 5/8" (16) W MIN. STOP; MAX W OR H IS 109-3/4" (2788) NOT TO EXCEED 5268 SQ. IN. (3398703) OF VISIBLE GLASS
WALL CONSTRUCTION:	MASONRY OR DRYWALL
FRAME CONSTRUCTION:	FACE OR CONTINUOUS WELDS.
MATERIAL:	COLD ROLLED AND GALVANIZED STEEL 16 GA. (1.5) MINIMUM TO 12 GA. (2.6) MAXIMUM
ANCHORS:	ANY LISTED WELD IN OR SLIP-IN TYPE DRYWALL OR MASONRY ANCHORS MAY BE USED IN THIS FRAME

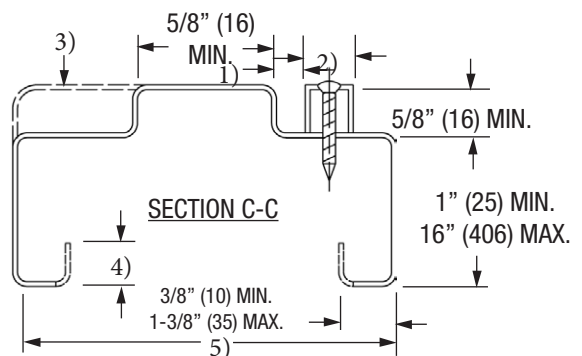
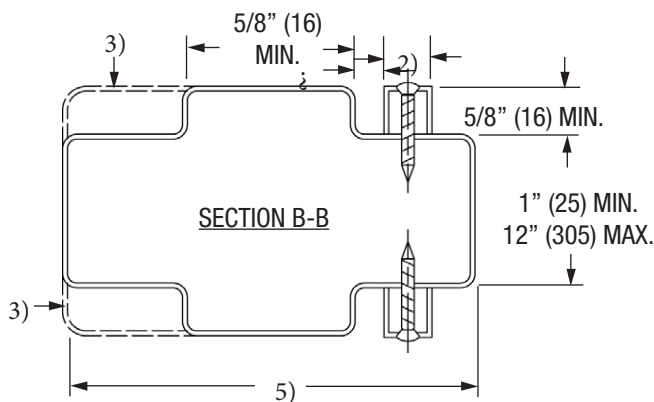
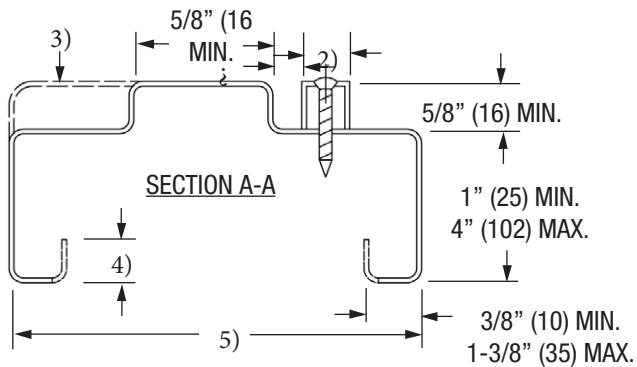
- NOTE: 1) IF FIRE WINDOW FRAME DOES NOT EXTEND TO THE FLOOR AND IS SUSPENDED OVER A DRYWALL SILL, A SUITABLE ANCHOR MUST BE USED IN THE SILL MEMBER FOR EACH 30" (762) OF LENGTH OR FRACTION THEREOF.
- 2) THE CONFIGURATION OF TRANSOM AND LIGHT AREAS MAY VARY! ONLY LISTED GLAZING MATERIALS MAY BE USED IN THIS FRAME. SEE FRAME GLAZING CHARTS FOR ADDITIONAL GLAZING OPTIONS.

**20 MINUTE WITHOUT HOSE STREAM MAXIMUM RATING
 ELEVATION/SECTIONS DETAIL**



GENERAL NOTES:

- 1) 3/8" (10) MIN. GLASS POCKET
- 2) 5/8" (16) MIN.
- 3) VARIABLE PROFILE
- 4) 3/8" (10) MIN.
3/4" (19) MAX.
- 5) 4-1/2" (124) MIN.
14" (356) MAX.



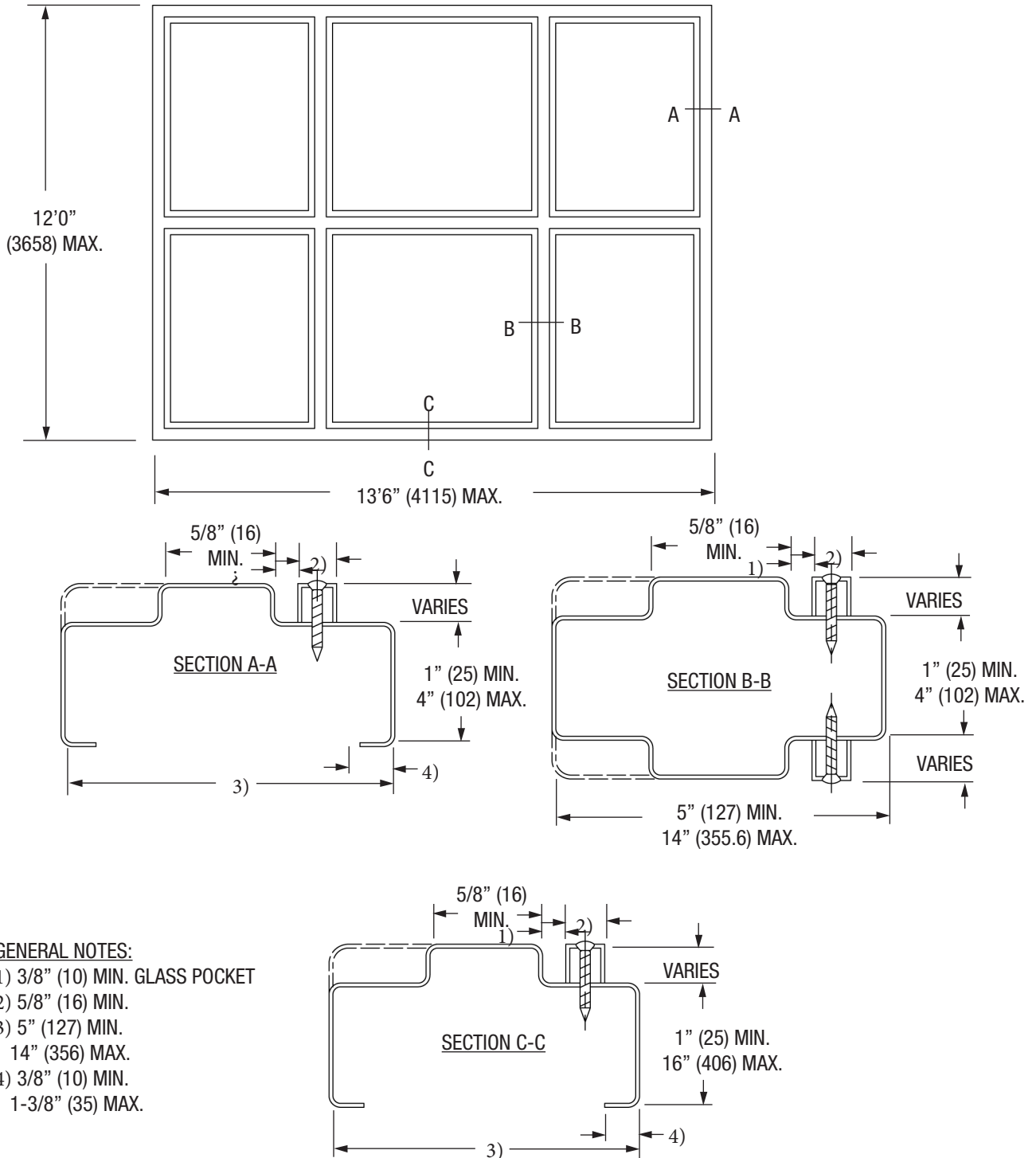
August, 2014

20 MINUTE WITHOUT HOSE STREAM MAXIMUM RATING.

MAXIMUM FRAME SIZE:	13'2" (4013) W X 9'7" (2924) H
MAXIMUM GLASS AREAS	5/8" (16) H X 5/8" (16) W MIN. STOP; MAX. W OR H IS 109-3/4" (2788); NOT TO EXCEED 5268 SQ. IN. (3398703) VISIBLE GLASS SEE FRAME GLAZING CHARTS FOR ADDITIONAL GLAZING OPTIONS.
WALL CONSTRUCTION:	MASONRY OR DRYWALL
FRAME CONSTRUCTION:	FACE OR CONTINUOUS WELDS.
MATERIAL:	COLD ROLLED AND GALVANIZED STEEL 16 GA. (1.5) MINIMUM TO 12 GA. (2.6) MAXIMUM
ANCHORS:	ANY LISTED WELD IN OR SLIP-IN TYPE DRYWALL OR MASONRY ANCHORS MAY BE USED IN THIS FRAME

- NOTE: 1) IF THE FIRE WINDOW FRAME DOES NOT EXTEND TO THE FLOOR AND IS SUSPENDED OVER A DRYWALL SILL, A SUITABLE ANCHOR MUST BE USED IN THE SILL MEMBER FOR EACH 30" (762) OF LENGTH OR FRACTION THEREOF.
- 2) THE CONFIGURATION OF GLASS LIGHT AREAS MAY VARY. ONLY LISTED GLAZING MATERIALS MAY BE USED IN THIS FRAME.
- 3) THE AUTHORITY HAVING JURISDICTION SHOULD REVIEW THE USE OF A FIRE WINDOW FRAME WITH A 20 MINUTE - WITHOUT HOSE STREAM RATING.
- 4) GLASS STOP SCREW SPACING #8 OVAL HEAD SHEET METAL SCREW 2" FROM EACH END AND 12" (304.8) ON CENTER MAX.
- 5) GLASS STOP EXTENDER MAY BE USED WITH THIS FRAME.

**90 MINUTE MAXIMUM RATING
IN MASONRY WALLS ONLY
ELEVATION/SECTIONS DETAIL**



28 Fire Window Frame (Masonry Walls Only)

Fire Rated Products



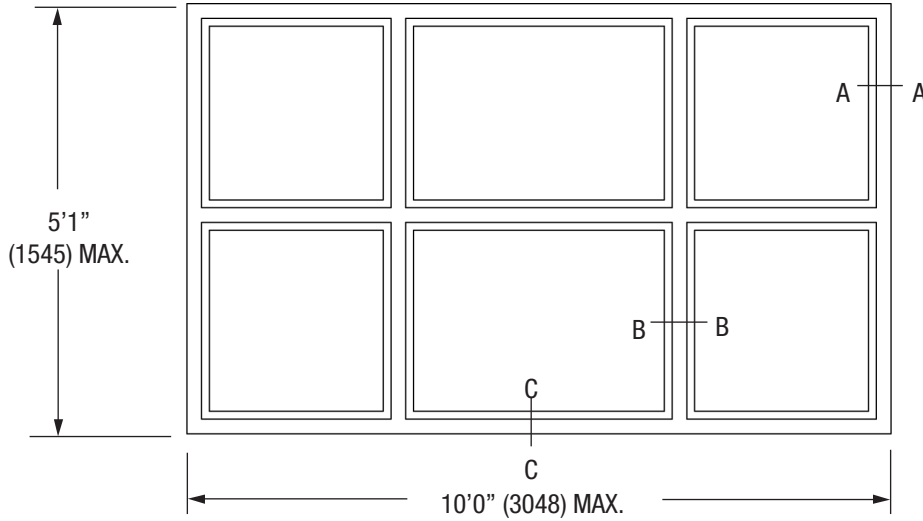
August, 2014

90 MINUTE MAXIMUM RATING

MAXIMUM FRAME SIZE:	13'6" (4115) W X 12'0" (3658) H
GLAZING REQUIREMENTS:	SEE FRAME GLAZING CHARTS FOR GLAZING OPTIONS INCLUDING MAXIMUM HOURLY RATINGS. MAXIMUM VISIBLE AREA, MAXIMUM HEIGHT AND WIDTH, MINIMUM STOP HEIGHT, AND GLASS POCKET WIDTH FOR EACH GLAZING OPTION IS LISTED IN THE CHART. LISTED GLAZING COMPOUND, 100% SILICONE, OR CLOSED CELL FOAM TAPE MAY BE USED. SEE GLAZING MANUFACTURER'S INSTALLATION INSTRUCTIONS FOR GLASS OPTIONS.
WALL CONSTRUCTION:	MASONRY OR DRYWALL
FRAME CONSTRUCTION:	FACE OR CONTINUOUS WELDS.
MATERIAL:	COLD ROLLED AND GALVANIZED STEEL 16 GA. (1.5) MINIMUM TO 12 GA. (2.6) MAXIMUM
ANCHORS:	ANY LISTED WELD IN OR SLIP-IN TYPE DRYWALL OR MASONRY ANCHORS MAY BE USED IN THIS FRAME

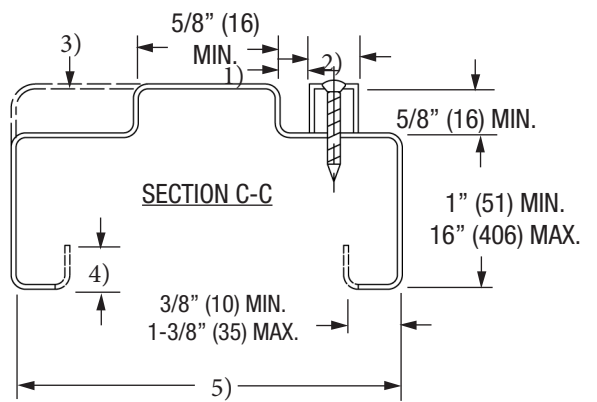
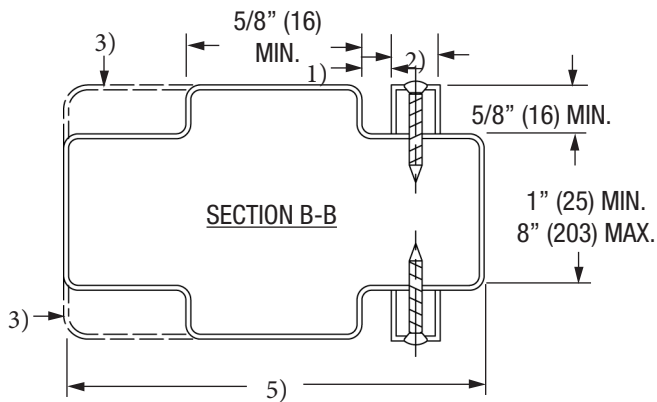
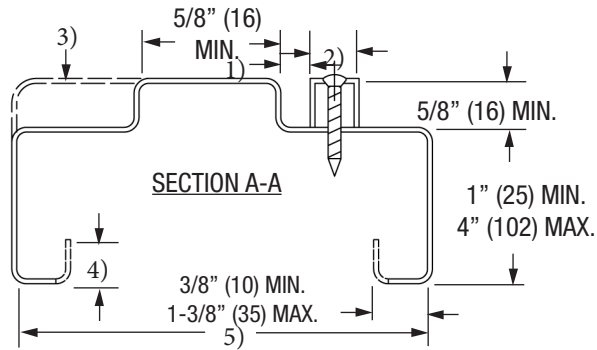
- NOTE:
- 1) GLASS STOP SCREW SPACING; NO. 8 OVAL HEAD SHEET METAL SCREWS SPACED 2" (51) FROM EACH END AND 12" (304.8) ON CENTER
 - 2) THE CONFIGURATION OF GLASS LIGHT AREAS MAY VARY.
 - 3) THIS FRAME MAY BE PROVIDED WITH A SCREW APPLIED FIELD SPLICE FOR CONNECTION AT THE JOB SITE.
 - 4) GLASS STOP EXTENDER MAY BE USED WITH THIS FRAME.
 - 5) ASSEMBLY HAS NO TEMPERATURE RISE RATING.

**90 MINUTE MAXIMUM RATING
 DRYWALL WALLS ELEVATION/SECTIONS DETAIL**



GENERAL NOTES:

- 1) 3/8" (10) MIN. GLASS POCKET
- 2) 5/8" (16) MIN.
- 3) VARIABLE PROFILE
- 4) 3/8" (10) MIN.
 3/4" (19) MAX.
- 5) 4-1/2" (114) MIN.
 14" (356) MAX.



30 Fire Window Frame

Fire Rated Products



October, 2008

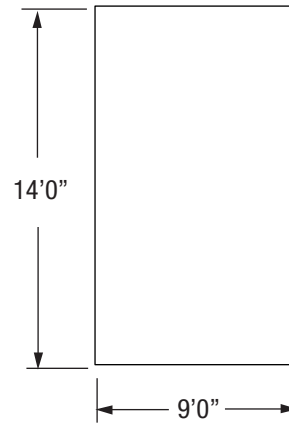
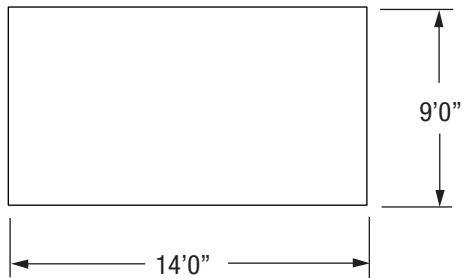
90 MINUTE MAXIMUM RATING

OVERALL FRAME SIZE:	10'0" (3048) W X 5'1" (1549) H; FOR USE IN DRYWALL WALLS.
GLAZING REQUIREMENTS:	SEE FRAME GLAZING CHARTS FOR GLAZING OPTIONS INCLUDING MAXIMUM HOURLY RATINGS. MAXIMUM VISIBLE AREA, MAXIMUM HEIGHT AND WIDTH, MINIMUM STOP HEIGHT, AND GLASS POCKET WIDTH FOR EACH GLAZING OPTION IS LISTED IN THE CHART. LISTED GLAZING COMPOUND, 100% SILICONE, OR CLOSED CELL FOAM TAPE MAY BE USED. SEE GLAZING MANUFACTURER'S INSTALLATION INSTRUCTIONS FOR GLASS OPTIONS.
WALL CONSTRUCTION:	DRYWALL
FRAME CONSTRUCTION:	FACE OR CONTINUOUS WELDS.
MATERIAL:	COLD ROLLED AND GALVANIZED STEEL 16 GA. (1.5) MINIMUM TO 12 GA. (2.6) MAXIMUM
ANCHORS:	ANY LISTED WELD IN OR SLIP-IN TYPE DRYWALL ANCHOR

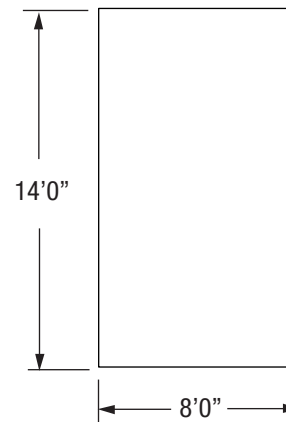
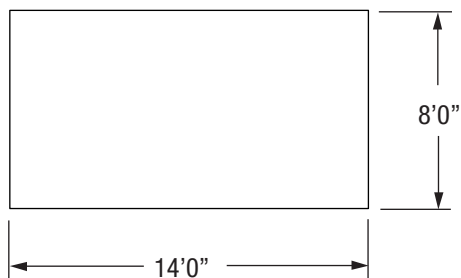
- NOTE:
- 1) IF FIRE WINDOW FRAME IS INSTALLED OVER DRYWALL SILL, A SUITABLE ANCHOR MUST BE USED IN THE SILL MEMBER FOR EACH 30" (762) OF SILL LENGTH.
 - 2) STOP HEIGHT EXTENDER MAY BE USED ON THESE FRAMES.
 - 3) GLASS STOP SCREW SPACING: NO. 8 OVAL HEAD SHEET METAL SCREWS SPACED 2" (51) FROM EACH END AND 12" (304.8) ON CENTER.
 - 4) THE CONFIGURATION OF GLASS LIGHT AREAS MAY VARY.
 - 5) ASSEMBLY HAS NO TEMPERATURE RISE RATING.

FRAMES WELDED AT CURRIES:

PROVIDE FIELD SPLICES FOR FRAMES THAT EXCEED SIZE SHOWN.



FIELD SPLICING BRACKETS ON WELDED FRAMES WILL BE PROVIDED.
SEE NEXT PAGE FOR SPLICE EXAMPLES.

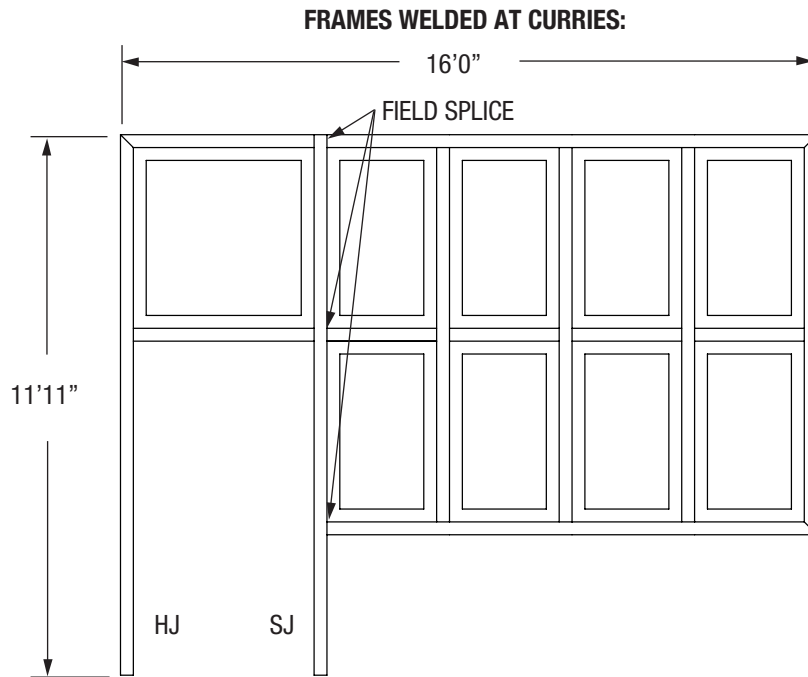
FRAMES WELDED AT SERVICE CENTERS:

FIELD SPLICING BRACKETS ON WELDED FRAMES WILL BE PROVIDED.
SEE NEXT PAGE FOR SPLICE EXAMPLES.

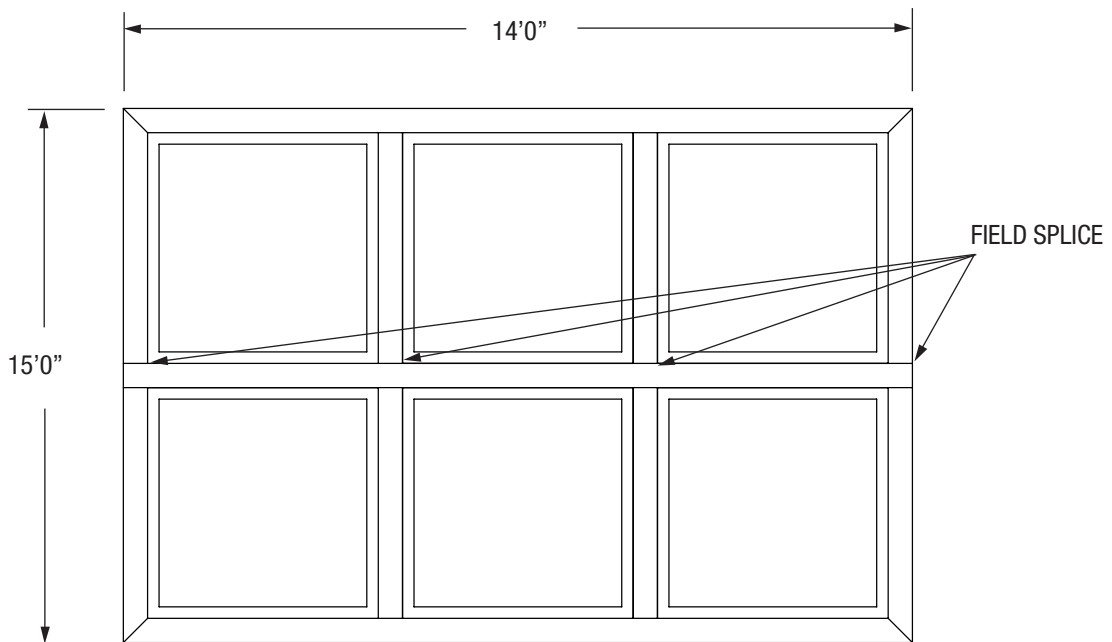
Field Splice Frame

Fire Rated Products

April, 2002

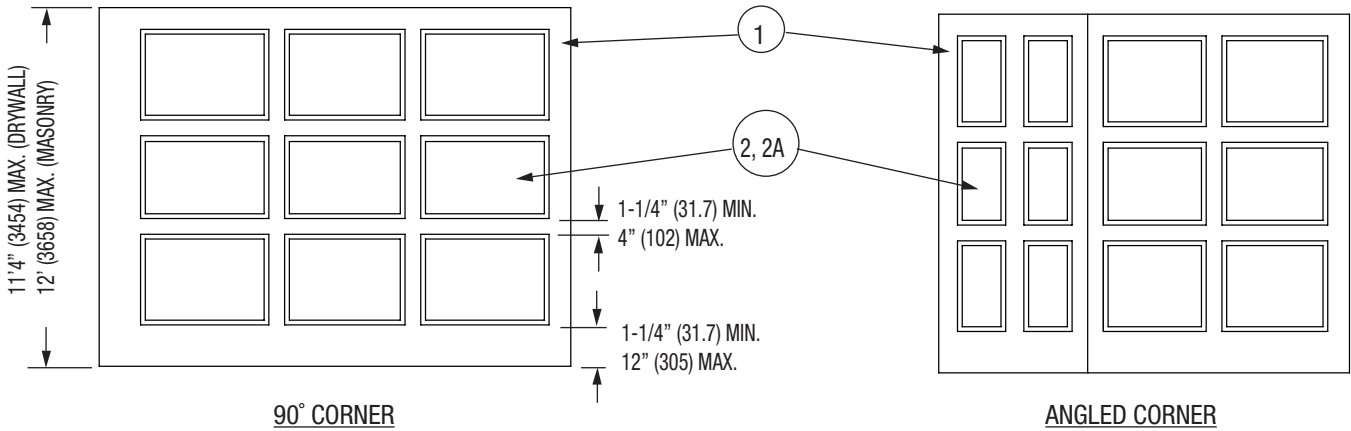
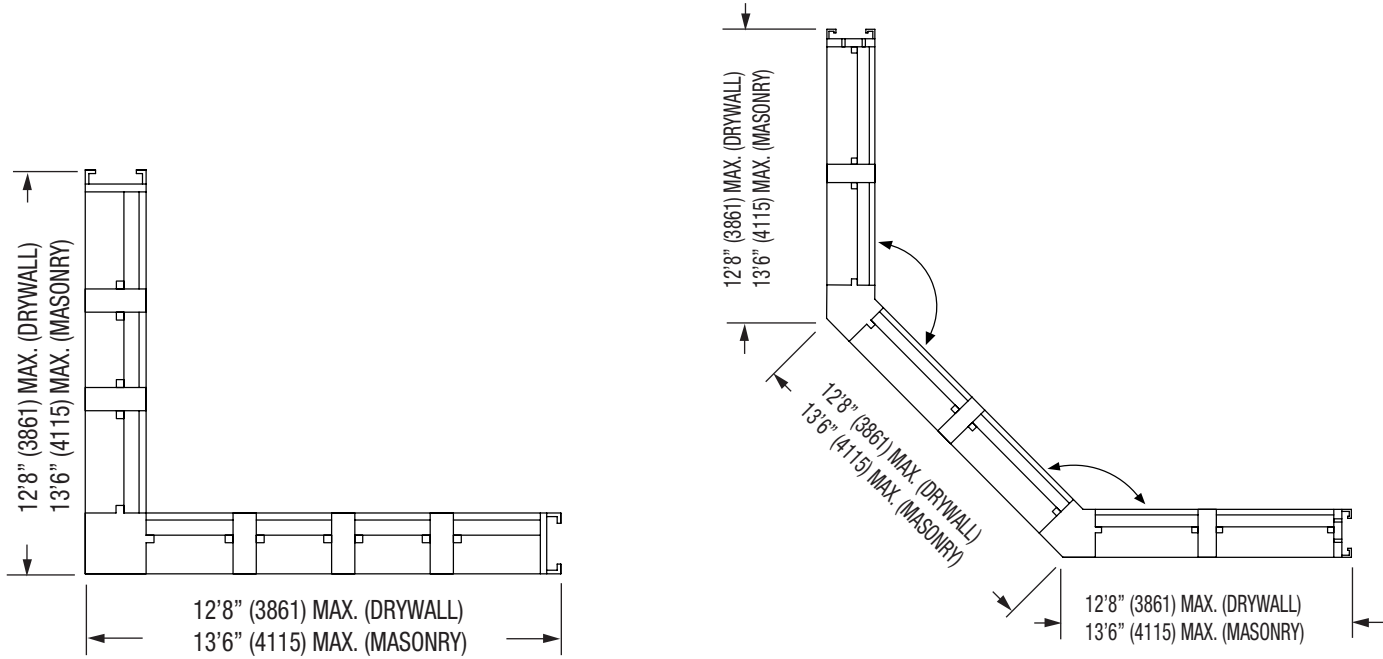


FIELD SPLICE SLEEVES, WILL BE APPLIED TO STRIKE JAMB, ONE FOR EACH ATTACHING HORIZONTAL RAIL.

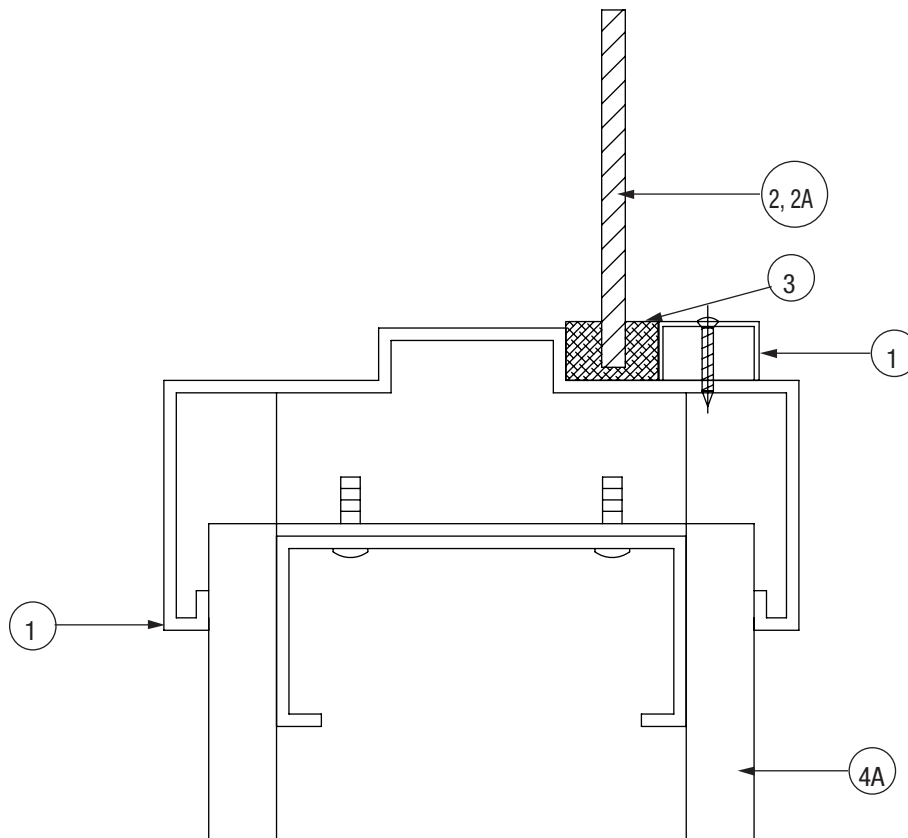


FIELD SPLICE SLEEVES, WILL BE APPLIED TO HORIZONTAL MULLION, ONE FOR EACH ATTACHING VERTICAL RAIL.

ASSEMBLY NO. WA-3-01
FIRE RATINGS - 60 MINUTE
MEETS THE CRITERIA OF STANDARD UL 9 (2000) AND UBC STANDARD 7-4, (1997)
U.L. RATED ONLY



May, 2015



CROSS SECTION

1. **FIRE WINDOW FRAME** + THE FRAME IS TO BE INSTALLED IN ACCORDANCE WITH THE RECOMMENDED INSTALLATION PRACTICES PRESENTED IN NFPA 80, "FIRE-RATED HOLLOW METAL DOORS AND WINDOWS," AND NAAMM STANDARD 850-00, "FIRE-RATED HOLLOW METAL DOORS AND FRAMES." THE WINDOW FRAME MAY INCLUDE A DOOR FRAME THAT IS PART OF A FIRE RATED DOOR ASSEMBLY HAVING A MIN. 60 MINUTE RATING. THE BASIC FRAME CONSTRUCTION AND LIMITATIONS ARE AS FOLLOWS:
 - A) OPENING SIZE-MAXIMUM WALL OPENING SIZE SHALL BE 152 IN. FOR GYPSUM WALLBOARD CONSTRUCTION AND 162 IN. FOR MASONRY CONSTRUCTION. FRAME PROJECTION FROM FACE OF WALL SHALL NOT EXCEED THE MAX. ALLOWABLE OPENING WIDTH.
 - B) MULLION AND JAMB FACE DIMENSIONS 1-1/4 MIN. - 4 IN. MAX. SILL FACE DIMENSION 1-1/4 IN. MIN. - 12 IN. MAX.
 - C) THE FRAME IS TO BE PROVIDED WITH ANCHORS SUITABLE FOR THE WALL CONDITIONS IN ACCORDANCE WITH NAAMM STANDARD 850-00.
 - D) THE INSIDE ANGLE BETWEEN FRAME SEGMENTS MAY VARY. INSIDE ANGLES OF 90° AND 135° ARE SHOWN IN THE ILL. FRAME CURVATURE TO BE CONTINUOUS OR SEGMENTED.
 - E) SPLICES - THE FRAME MAY BE PROVIDED WITH SPLICES FOR SHIPMENT PURPOSES.

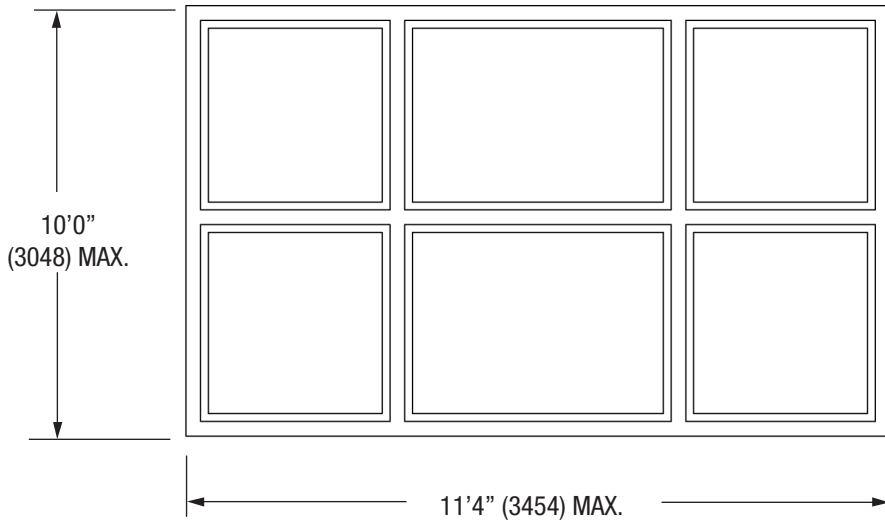
- 2) **GLAZING MATERIALS*** 1/4 IN. THICK WIRED GLASS. SEE GLAZING MATERIALS CATEGORY (KCMZ) FOR NAMES OF CLASSIFIED COMPANIES AND THE MAXIMUM SIZE OF GLAZING MATERIAL. GLAZING MATERIAL SHALL HAVE A MINIMUM RATING OF 3/4 HR.
- 2A) **GLAZING MATERIALS (ALTERNATE)*** AS AN ALTERNATE TO WIRED GLASS, THE FOLLOWING GLAZING MATERIALS MAY BE USED. SEE GLAZING MATERIALS (KCMZ) FOR THE MAXIMUM SIZE OF GLAZING MATERIAL. GLAZING MATERIAL SHALL HAVE A MINIMUM RATING OF 3/4 HR.
NIPPON ELECTRIC GLASS CO LTD - NON-WIRED 3/16 IN. FIRELITE, FIRELITE NT, 5/16 IN. THICK FIRELITE PLUS, FIRELITE IGU
MESTEK CO.
ANEMOSTAT PRODUCTS - NON-WIRED 3/16 IN. FIRELITE, FIRELITE NT, 5/16 IN. THICK FIRELITE PLUS, FIRELITE IGU
TECHNICAL GLASS PRODUCTS - NON WIRED 3/16 IN. FIRELITE, FIRELITE NT, 5/16 IN. THICK FIRELITE PLUS, FIRELITE IGU
- 3) **GLAZING COMPOUND*** GLAZING COMPOUND SHALL COMPLETELY FILL THE GLAZING POCKET WITH A MIN. THICKNESS OF 1/16 IN. BETWEEN THE GLAZING AND THE FRAME. SEE GLAZING MATERIALS CATEGORY (KCMZ) FOR NAMES OF GLAZING COMPOUNDS TO BE USED WITH GLAZING MATERIALS (ITEM 2).
- 4) **WALL CONSTRUCTION** MASONRY OR DRYWALL CONSTRUCTION (STEEL STUD GYPSUM WALLBOARD WALL SHOWN).
- A) **GYPSUM WALLBOARD** THE ONE HOUR MINIMUM FIRE-RATED GYPSUM WALLBOARD/STUD WALL ASSEMBLY SHALL BE CONSTRUCTED OF THE MATERIALS AND IN THE MANNER SPECIFIED IN THE INDIVIDUAL U300 OR U400 SERIES WALL AND PARTITION DESIGNS IN THE UL FIRE RESISTANCE DIRECTORY. THE FIRE WINDOW FRAME IS ANCHORED TO THE STEEL STUDS OR WOOD STUDS USING THE APPROPRIATE ANCHORS SHIPPED WITH THE FRAME. WHERE FRAME IS ADJACENT TO GYPSUM WALL BOARD ASSEMBLY, THE OPENING IS TO BE FRAMED WITH DOUBLE STUDS. GYPSUM WALLBOARD TO BE INSERTED INTO THE FRAME THROAT 1/2 IN. MINIMUM.
- B) **MASONRY** FRAME TO BE INSTALLED INTO MASONRY CONSTRUCTION (BRICK CONCRETE BLOCK) WITH A ONE-HOUR MINIMUM FIRE RATING USING MASONRY TYPE ANCHORS.

+BEARING THE UL LISTING MARK.

*BEARING THE UL CLASSIFICATION MARK.

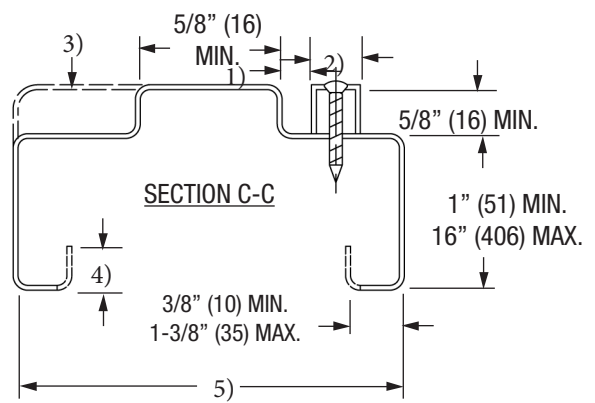
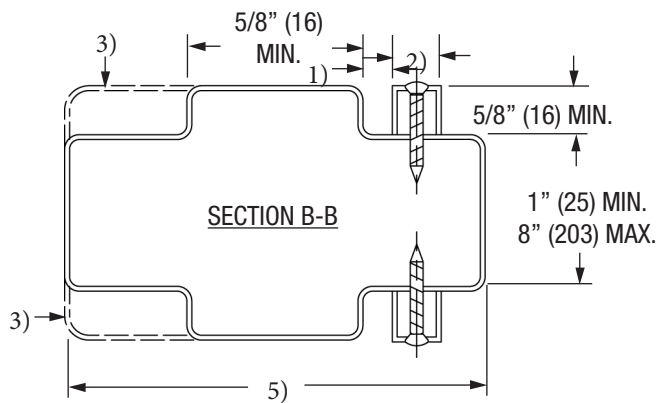
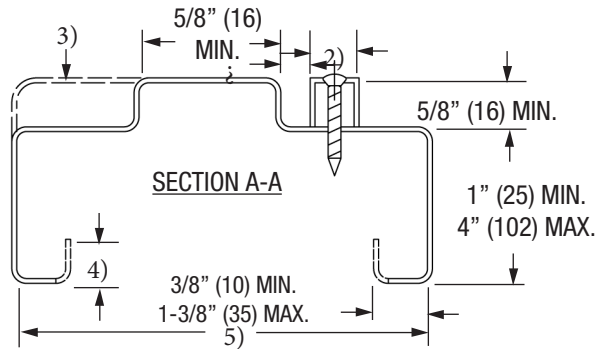
August, 2014

**90 MINUTE MAXIMUM RATING
DRYWALL WALLS WITH NONCOMBUSTIBLE SILL
ELEVATION/SECTIONS DETAIL**



GENERAL NOTES:

- 1) 3/8" (10) MIN. GLASS POCKET
- 2) 5/8" (16) MIN.
- 3) VARIABLE PROFILE
- 4) 3/8" (10) MIN.
3/4" (19) MAX.
- 5) 4-1/2" (114) MIN.
14" (356) MAX.



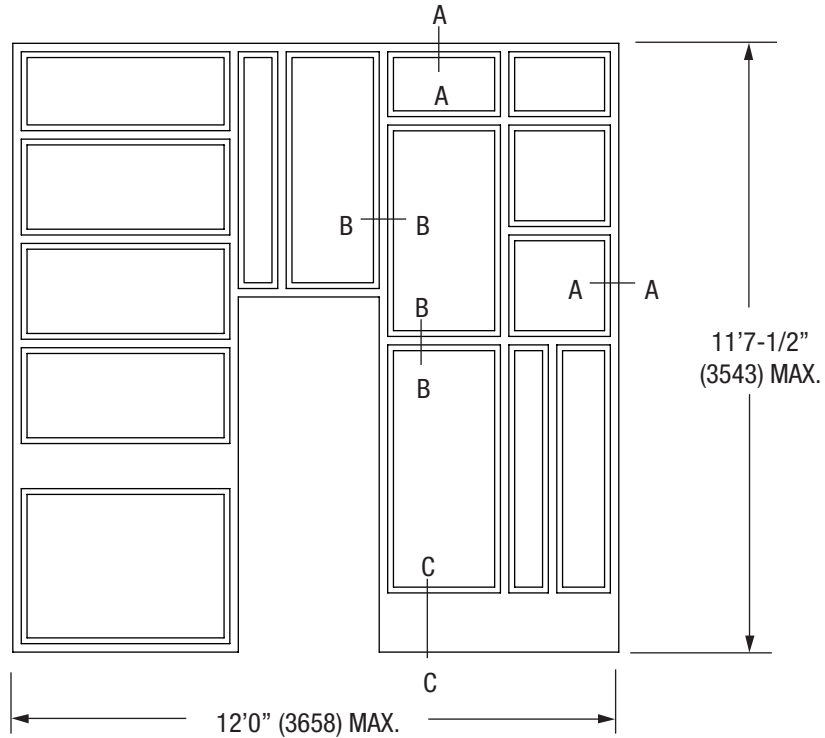
90 MINUTE MAXIMUM RATING

OVERALL FRAME SIZE:	11'4" (3454) W X 10'0" (3048) H; FOR USE IN DRYWALL WALLS WITH A NON-COMBUSTIBLE MASONRY OR CONCRETE SILL.
GLAZING REQUIREMENTS:	SEE FRAME GLAZING CHARTS FOR GLAZING OPTIONS INCLUDING MAXIMUM HOURLY RATINGS. MAXIMUM VISIBLE AREA, MAXIMUM HEIGHT AND WIDTH, MINIMUM STOP HEIGHT, AND GLASS POCKET WIDTH FOR EACH GLAZING OPTION IS LISTED IN THE CHART. LISTED GLAZING COMPOUND, 100% SILICONE, OR CLOSED CELL FOAM TAPE MAY BE USED. SEE GLAZING MANUFACTURER'S INSTALLATION INSTRUCTIONS FOR OPTIONS.
WALL CONSTRUCTION:	DRYWALL WITH NON-COMBUSTIBLE SILL
FRAME CONSTRUCTION:	FACE OR CONTINUOUS WELDS.
MATERIAL:	COLD ROLLED AND GALVANIZED STEEL 16 GA. (1.5) MINIMUM TO 12 GA. (2.6) MAXIMUM
ANCHORS:	ANY LISTED WELD IN OR SLIP-IN TYPE DRYWALL OR MASONRY ANCHORS MAY BE USED IN THIS FRAME

- NOTE:
- 1) GLASS STOP SCREW SPACING; NO. 8 OVAL HEAD SHEET METAL SCREWS SPACED 2" (51) FROM EACH END AND 12" (304.8) ON CENTER
 - 2) THE CONFIGURATION OF GLASS LIGHT AREAS MAY VARY.
 - 3) THIS FRAME MAY BE PROVIDED WITH A SCREW APPLIED FIELD SPLICE FOR CONNECTION AT THE JOB SITE.
 - 4) GLASS STOP EXTENDERS MAY BE USED WITH THIS FRAME.
 - 5) ASSEMBLY HAS NO TEMPERATURE RISE RATING.

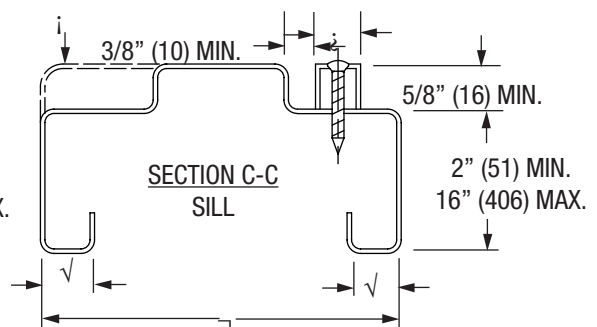
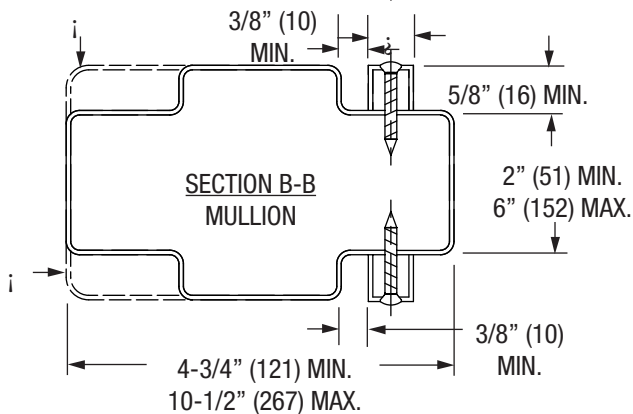
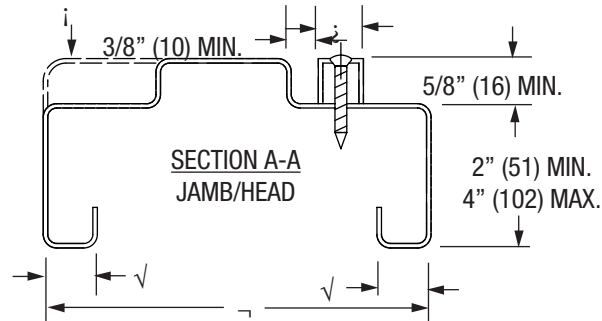
August, 2014

**45 MINUTE MAXIMUM RATING IN DRYWALL WALLS
ELEVATION DETAILS**



GENERAL NOTES:

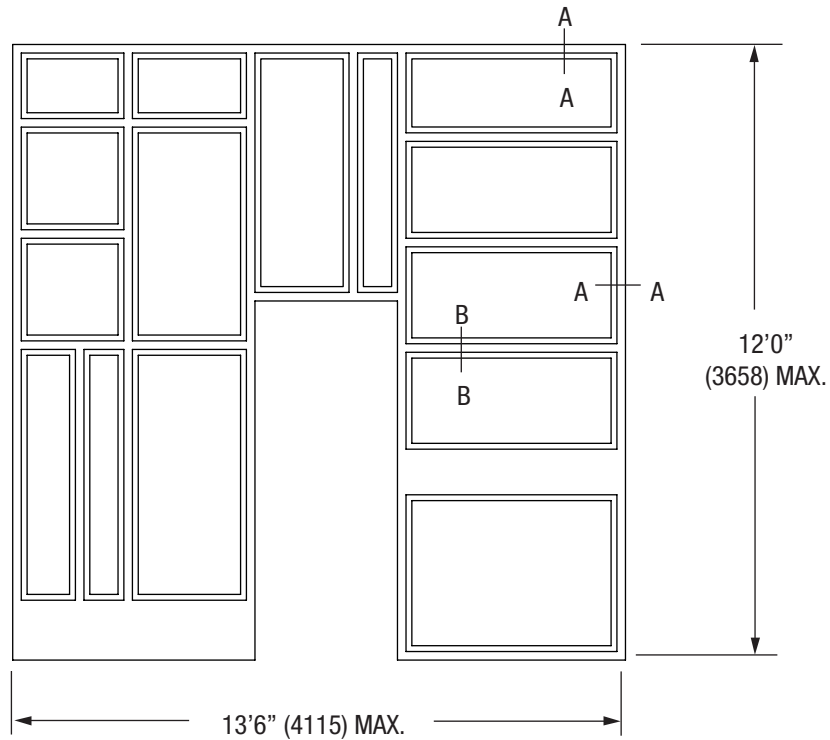
- ∩ 5/8" (16) MIN.
- ∩ VARIABLE PROFILE
- ∩ 4-3/4" (121) MIN.
14" (356) MAX.
- ∩ 3/8" (10) MIN.
- ∩ 1-3/8" (35) MAX.



45 MINUTE MAXIMUM RATING	
MAXIMUM FRAME SIZE:	12'0" (3658) W X 11'7-1/2" (3543) H.
MAXIMUM DOOR SIZE:	SINGLE — 4'0" (1219) X 10'0" (3048) PAIR — 8'0" (2438) X 10'0" (3048)
MAX. GLASS AREA:	FOR LISTED 1/4" WIRED GLASS 5/8" (16) H X 5/8" (16) W MINIMUM STOP; MAXIMUM W OR H SHALL BE 54" (1372) NOT TO EXCEED 1296 (836127) SQUARE INCHES OF VISIBLE GLASS. MUST USE LISTED GLAZING COMPOUND OR 100% SILICON. FOR PEMKO FG3000 WITH 1/4" WIRED PILKINGTON GLASS: 5/8" (16) H 5/8" (16) W MINIMUM STOP; MAXIMUM W OR H SHALL BE 106" (2692) NOT TO EXCEED 4704 SQ. IN. SEE FRAME GLAZING CHARTS FOR ADDITIONAL GLAZING OPTIONS.
WALL CONSTRUCTION:	DRYWALL ONLY
FRAME CONSTRUCTION:	FACE OR CONTINUOUS WELDS.
MATERIAL:	COLD ROLLED AND GALVANIZED STEEL 16 GA. (1.5) MINIMUM TO 12 GA. (2.6) MAXIMUM
ANCHORS:	ANY LISTED WELD IN OR SLIP-IN TYPE DRYWALL OR MASONRY ANCHORS MAY BE USED IN THIS FRAME
NOTE:	<ol style="list-style-type: none"> 1) THE CONFIGURATION OF THE TRANSOM AND SIDE AREAS MAY VARY. 2) THIS FRAME MAY BE PROVIDED WITH A SCREW APPLIED FIELD SPLICE FOR CONNECTION AT THE JOB SITE. 3) GLASS STOP SCREW SPACING IS 2" (51) FROM EACH END AND 12" (304.8) ON CENTER.

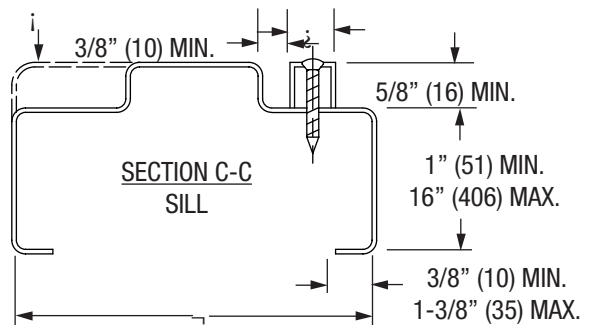
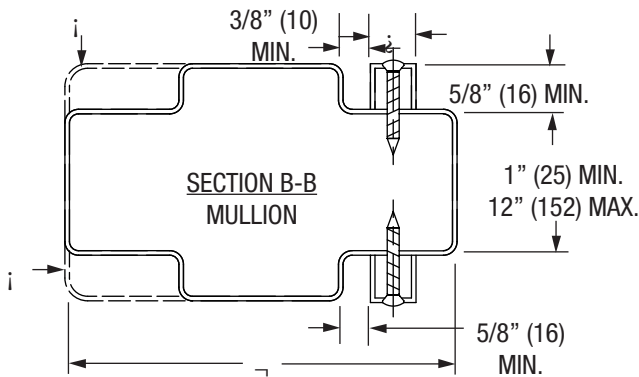
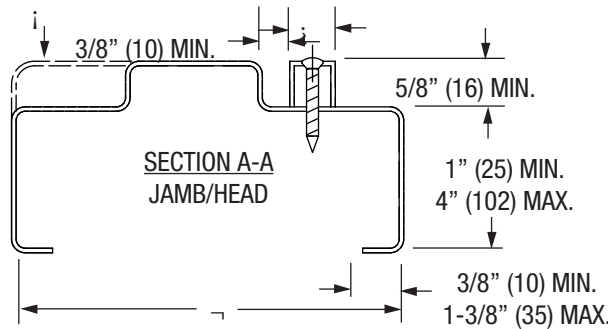
August, 2014

**45 MINUTE MAXIMUM RATING IN MASONRY WALLS
ELEVATION DETAILS**



GENERAL NOTES:

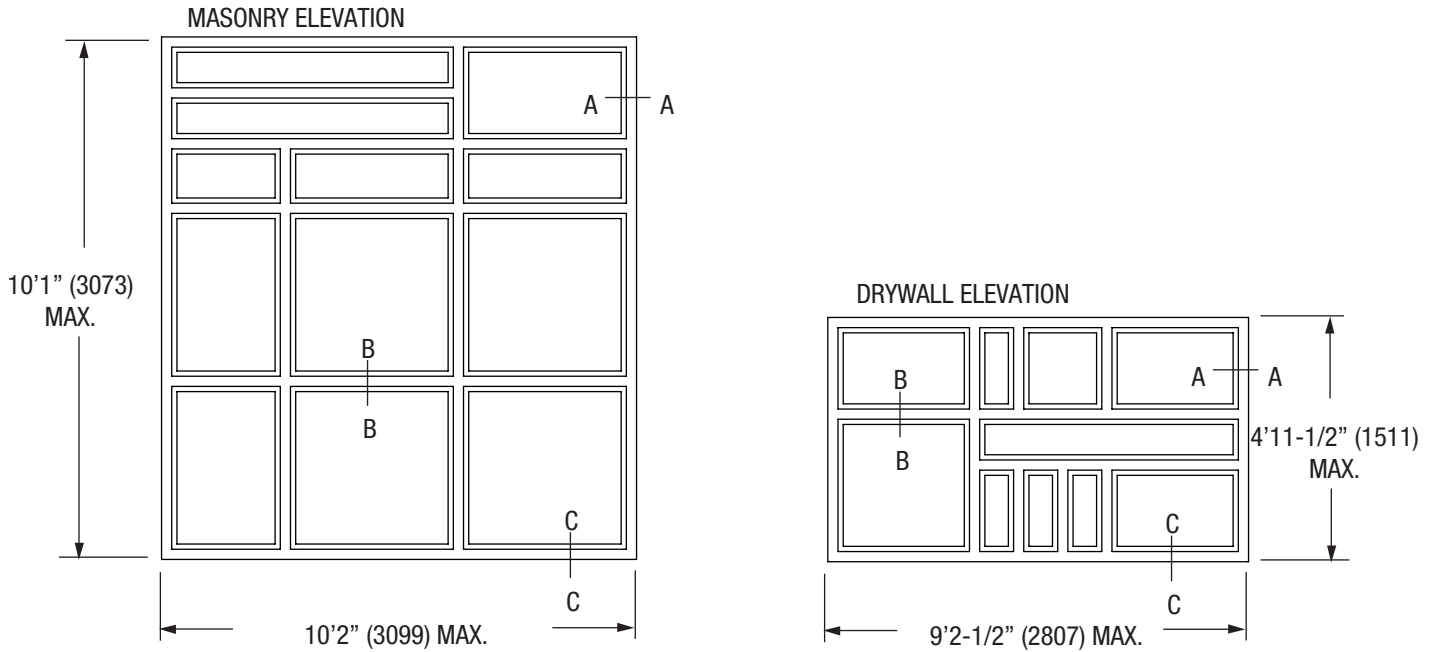
- ∩ 5/8" (16) MIN.
- ¡ VARIABLE PROFILE
- 4-3/4" (121) MIN.
- 14" (356) MAX.



45 MINUTE MAXIMUM RATING	
MAXIMUM FRAME SIZE:	13'6" (4115) W X 12'0" (3658) H
MAXIMUM DOOR SIZE:	SINGLE — 4'0" (1219) X 10'0" (3048) PAIR — 8'0" (2438) X 10'0" (3048)
MAX. GLASS AREA:	FOR LISTED 1/4" WIRED GLASS 5/8" (16) H X 5/8" (16) W MINIMUM STOP; MAXIMUM W OR H SHALL BE 54" (1372) NOT TO EXCEED 1296 (836127) SQUARE INCHES OF VISIBLE GLASS. MUST USE LISTED GLAZING COMPOUND OR 100% SILICON. FOR PEMKO FG3000 WITH 1/4" WIRED PILKINGTON GLASS: 5/8" (16) H 5/8" (16) W MINIMUM STOP; MAXIMUM W OR H SHALL BE 106" (2692) NOT TO EXCEED 4704 SQ. IN. SEE FRAME GLAZING CHARTS FOR ADDITIONAL GLAZING OPTIONS.
WALL CONSTRUCTION:	MASONRY ONLY
FRAME CONSTRUCTION:	FACE OR CONTINUOUS WELDS.
MATERIAL:	COLD ROLLED AND GALVANIZED STEEL 16 GA. (1.5) MINIMUM TO 12 GA. (2.6) MAXIMUM
ANCHORS:	ANY LISTED WELD IN OR SLIP-IN TYPE DRYWALL OR MASONRY ANCHORS MAY BE USED IN THIS FRAME
NOTE:	<ol style="list-style-type: none"> 1) THE CONFIGURATION OF THE TRANSOM AND SIDE AREAS MAY VARY. 2) THIS FRAME MAY BE PROVIDED WITH A SCREW APPLIED FIELD SPLICE FOR CONNECTION AT THE JOB SITE. 3) GLASS STOP SCREW SPACING IS 2" (51) FROM EACH END AND 12" (304.8) ON CENTER.

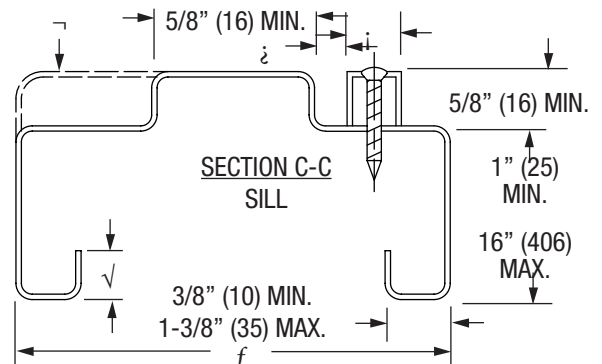
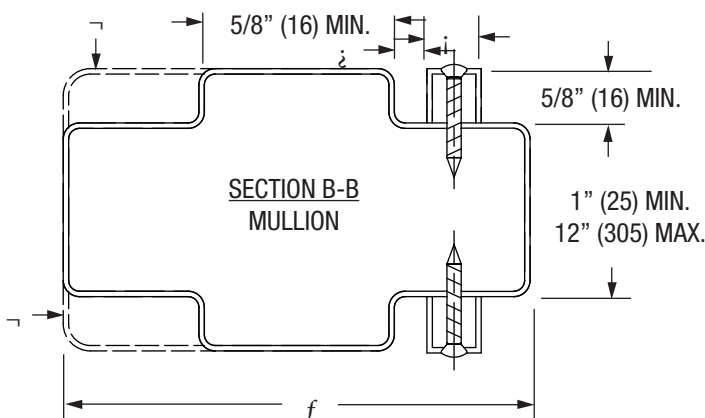
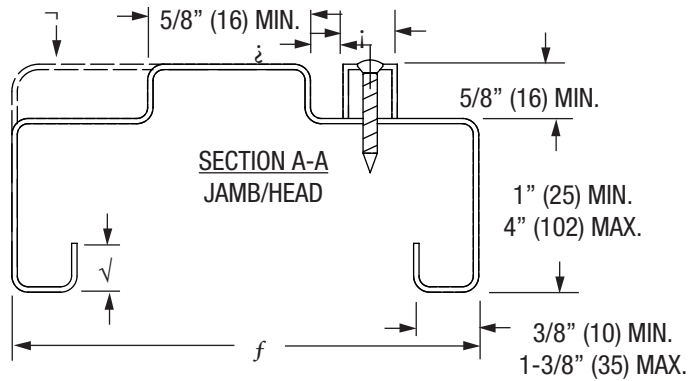
August, 2014

60 MINUTE MAXIMUM RATING ELEVATION/SECTION DETAILS



GENERAL NOTES:

- z 3/8" (10) MIN. GLASS POCKET
- i 5/8" (16) MIN.
- √ VARIABLE PROFILE
- √ 3/8" (10) MIN.
3/4" (19) MAX.
- f 4-7/8" (124) MIN.
14" (356) MAX.

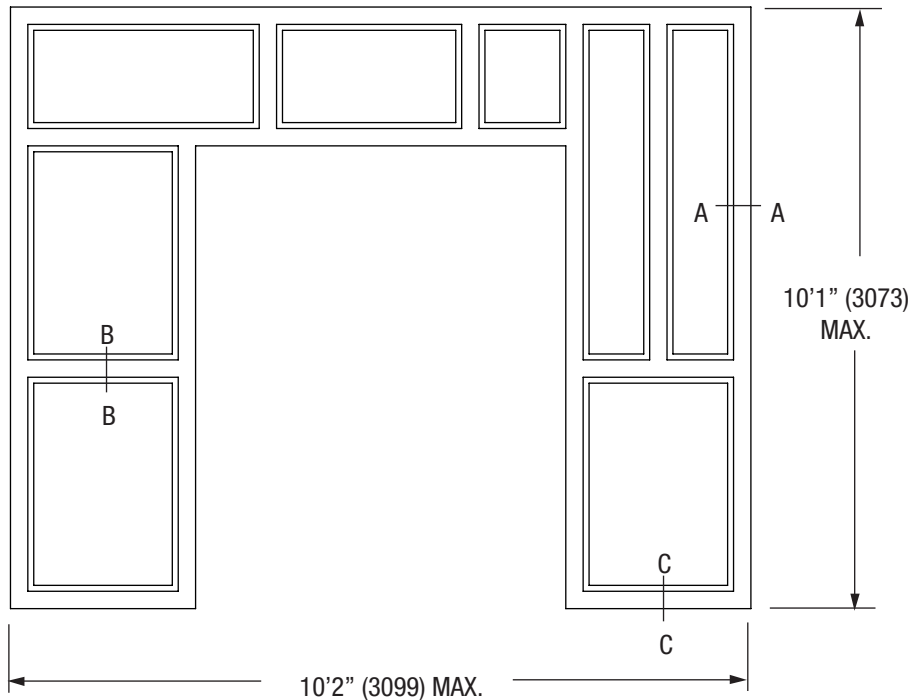


60 MINUTE MAXIMUM RATING

OVERALL FRAME SIZE:	A) 10'2" (3099) W X 10'1" (3073) H; FOR USE IN EITHER MASONRY WALLS OR DRYWALL WALLS WITH A NON-COMBUSTIBLE SILL. B) 9'2-1/2" (2807) W X 4'11-1/2" (1511) H; FOR USE IN EITHER MASONRY WALLS OR DRYWALL WALLS WITH A DRYWALL SILL.
MAX. GLASS AREA:	5/8" (16) H X 5/8" (16) W GLASS STOP; MAX. WIDTH: 54" (1372); MAX. HEIGHT: 77-3/4" (1975) 2721 SQ. INCHES (1755480) OF VISIBLE GLASS. - GLAZING MATERIAL: 3/16" (5) THICK "FIRELITE" OR 5/16" (8) THICK "FIRELITE PLUS" GLASS ONLY! - GLAZING COMPOUNDS: 100% SILICON, DAP "33", OR METACAULK 990.
WALL CONSTRUCTION:	DRYWALL OR MASONRY
FRAME CONSTRUCTION:	WELDED JOINTS ONLY!
MATERIAL:	COLD ROLLED AND GALVANIZED STEEL 16 GA. (1.5) MINIMUM TO 14 GA. (1.9) MAXIMUM
ANCHORS:	ANY LISTED WELD IN OR SLIP-IN TYPE DRYWALL OR MASONRY ANCHORS MAY BE USED IN THIS FRAME
NOTE: 1) IF FIRE WINDOW FRAME IS INSTALLED OVER DRYWALL SILL, A SUITABLE ANCHOR MUST BE USED IN THE SILL MEMBER FOR EACH 30" (762) OF SILL LENGTH OR FRACTION THEREOF. 2) GLASS STOP SCREW SPACING: NO. 8 SHEET METAL SCREWS SPACED 2" (51) FROM EACH END AND 12" (304.8) ON CENTER.	

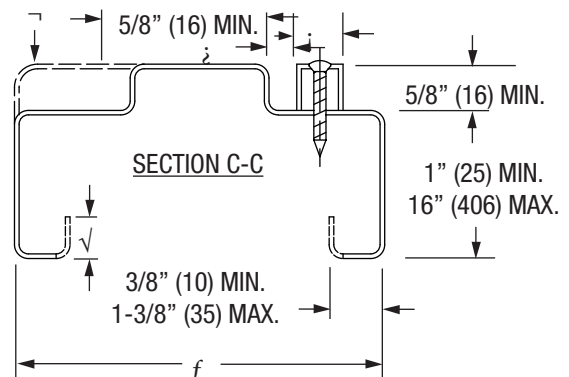
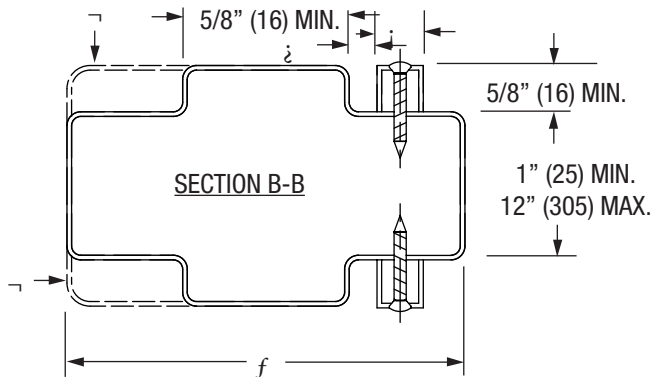
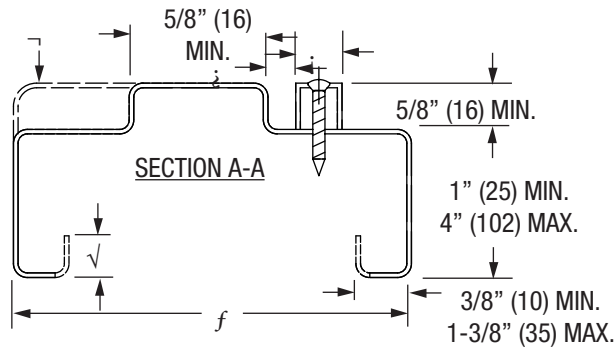
August, 2014

**60 MINUTE MAXIMUM RATING
ELEVATION DETAILS**



GENERAL NOTES:

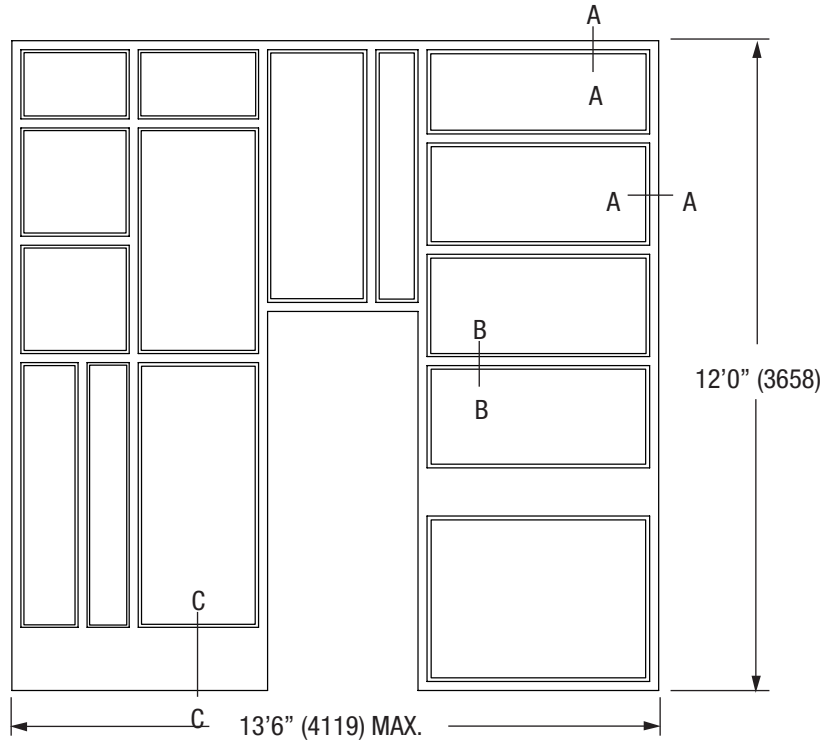
- z 3/8" (10) MIN. GLASS POCKET
- i 5/8" (16) MIN.
- VARIABLE PROFILE
- √ 3/8" (10) MIN.
3/4" (19) MAX.
- f 4-7/8" (124) MIN.
14" (356) MAX.



60 MINUTE MAXIMUM RATING	
MAXIMUM FRAME SIZE:	10'2" (3099) W X 10'1" (3073) H
MAXIMUM DOOR SIZE:	SINGLE — 4'0" (1219) W X 10'0" (3048) H PAIR — 8'0" (2438) W X 10'0" (3048) H
MAX. GLASS AREA: **SEE NOTES 1 & 2	5/8" (16) H X 5/8" (16) W GLASS STOP; MAX. WIDTH: 54" (1372); MAX. HEIGHT: 77-3/4" (1975) 2721 SQ. INCHES (1755480) OF VISIBLE GLASS.
WALL CONSTRUCTION:	DRYWALL OR MASONRY
FRAME CONSTRUCTION:	FACE OR CONTINUOUS WELDS.
MATERIAL:	COLD ROLLED AND GALVANIZED STEEL 16 GA. (1.5) MINIMUM TO 12 GA. (2.6) MAXIMUM
ANCHORS:	ANY LISTED WELD IN OR SLIP-IN TYPE DRYWALL OR MASONRY ANCHORS MAY BE USED IN THIS FRAME
<p>NOTE: 1) GLAZING MATERIAL SHALL BE "FIRELITE" GLASS ONLY.</p> <p>2) GLAZING COMPOUNDS ARE EITHER 100% SILICON, DAP, "33", OR METACAULK 990.</p> <p>3) IF SIDELIGHT IS INSTALLED OVER DRYWALL SILL, A SUITABLE ANCHOR MUST BE USED IN THE SILL MEMBER FOR EACH 30 INCHES (762) OF SILL LENGTH OR FRACTION THEREOF.</p> <p>4) GLASS STOP SCREW SPACING: NO. 8 SHEET METAL SCREWS SPACED 2" (51) FROM EACH END AND 12" (304.8) ON CENTER.</p>	

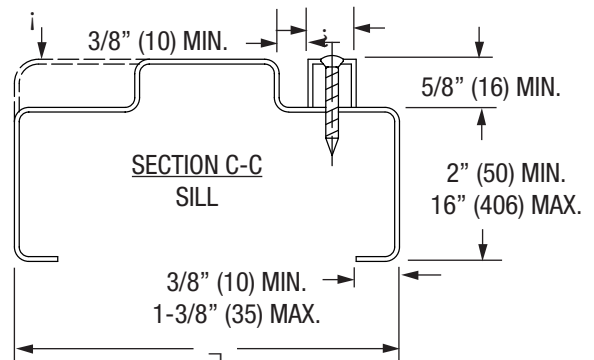
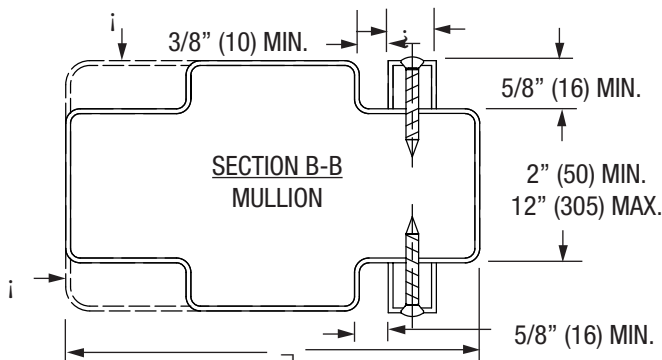
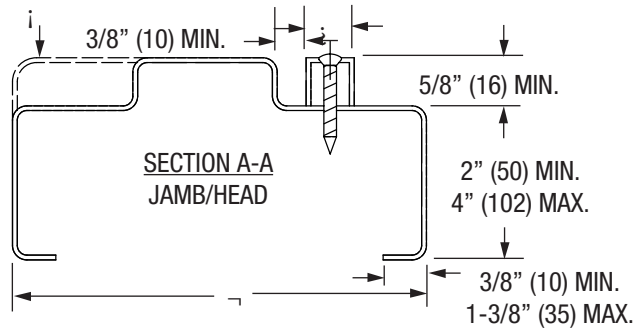
August, 2014

**90 MINUTE MAXIMUM RATING IN MASONRY WALL
ELEVATION/SECTION DETAILS**



GENERAL NOTES:

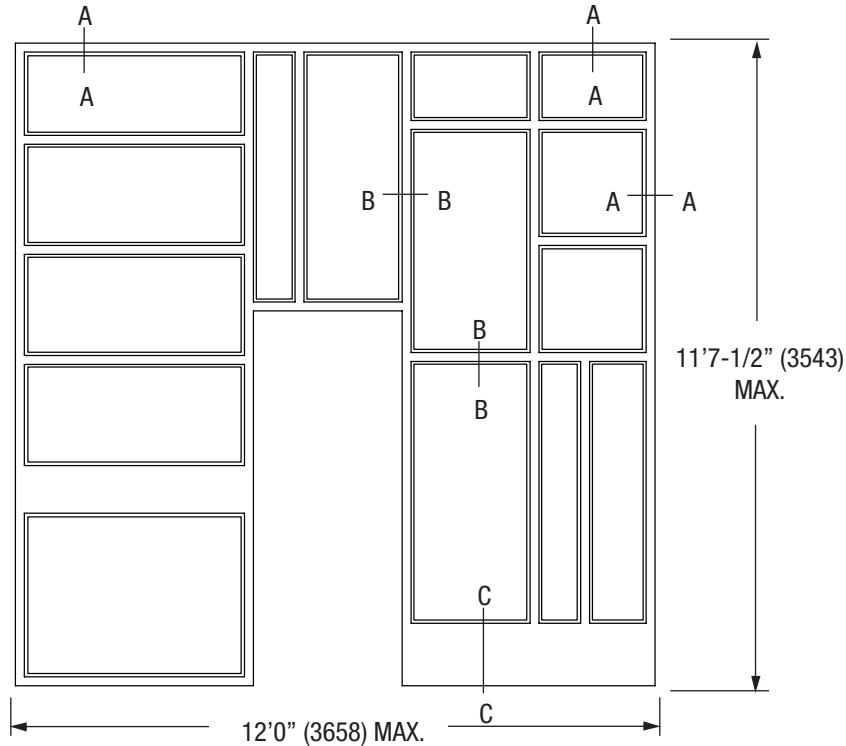
- ∫ 5/8" (16) MIN.
- ¡ VARIABLE PROFILE
- 4-3/4" (121) MIN.
14" (356) MAX.



90 MINUTE MAXIMUM RATING	
MAXIMUM FRAME SIZE:	13'6" (4013) W X 12'0" (3632) H
MAXIMUM DOOR SIZE:	SINGLE — 4'0" (1219) W X 10'0" (3048) H PAIR — 8'0" (2438) W X 10'0" (3048) H
GLAZING REQUIREMENTS:	SEE FRAME GLAZING CHARTS FOR GLAZING OPTIONS INCLUDING MAXIMUM HOURLY RATINGS. MAXIMUM VISIBLE AREA, MAXIMUM HEIGHT AND WIDTH, MINIMUM STOP HEIGHT, AND GLASS POCKET WIDTH FOR EACH GLAZING OPTION IS LISTED IN THE CHART. LISTED GLAZING COMPOUND, 100% SILICONE, OR CLOSED CELL FOAM TAPE MAY BE USED. SEE GLAZING MANUFACTURER'S INSTALLATION INSTRUCTIONS FOR OPTIONS.
WALL CONSTRUCTION:	MASONRY ONLY
FRAME CONSTRUCTION:	FACE OR CONTINUOUS WELDS.
MATERIAL:	COLD ROLLED AND GALVANIZED STEEL 16 GA. (1.5) MINIMUM TO 12 GA. (2.6) MAXIMUM
ANCHORS:	ANY LISTED WELD IN OR SLIP-IN TYPE DRYWALL OR MASONRY ANCHORS MAY BE USED IN THIS FRAME
MAXIMUM PANEL DIMENSIONS TRANSOM PANEL	1-3/4" (44) THICK HOLLOW METAL TRANSOM PANEL NO GREATER THAN 96" (2438) W X 48" (1219) H 1/2" (13) THICK SOLID PANEL THAT SHALL BE NO GREATER THAN 96" (2438) W X 48" (1272) H ANY LISTED MANUFACTURER'S WOOD PANEL
SIDE PANELS	1-3/4" (44) THICK HOLLOW METAL THAT SHALL BE NO GREATER THAN 54" (1372) W X 54" (1372) H MAX NOT TO EXCEED 1296 (836127) SQ. IN. 1/2" (13) THICK SOLID PANEL THAT SHALL BE NO GREATER THAN 54" (1372) W X 54" (1372) H MAX NOT TO EXCEED 1296 (836127) SQ. IN.
NOTE:	<ol style="list-style-type: none"> 1) THE CONFIGURATION OF THE TRANSOM AND SIDE AREAS MAY VARY. 2) THIS FRAME MAY BE PROVIDED WITH A SCREW APPLIED FIELD SPLICE FOR CONNECTION AT THE JOB SITE. 3) GLASS STOP SCREW SPACING: NO. 8 OVAL HEAD SHEET METAL SCREW 2" (50) FROM EACH END AND 12" (304.8) ON CENTER MAX. 4) STOP EXTENDERS MAY BE USED WITH THIS FRAME. 5) ASSEMBLY HAS NO TEMPERATURE RISE RATING.

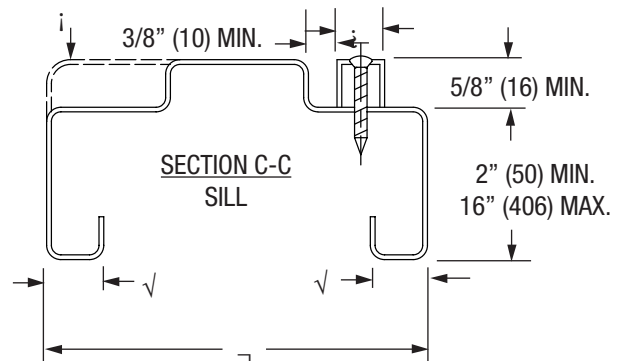
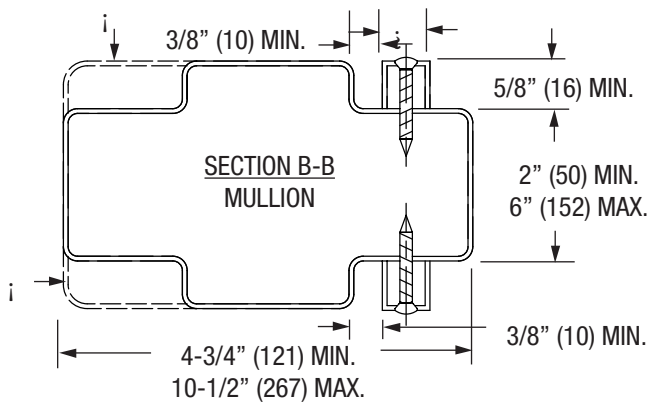
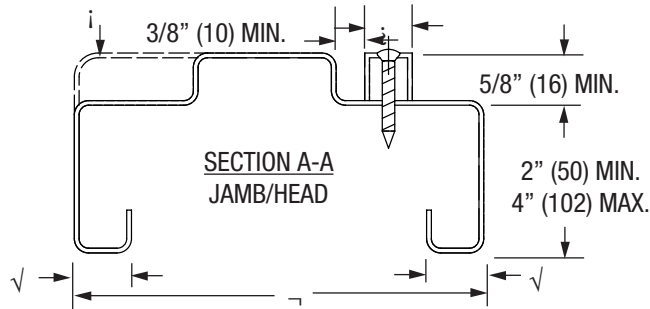
August, 2014

**90 MINUTE MAXIMUM RATING IN DRYWALL WALLS
ELEVATION/SECTION DETAIL**



GENERAL NOTES:

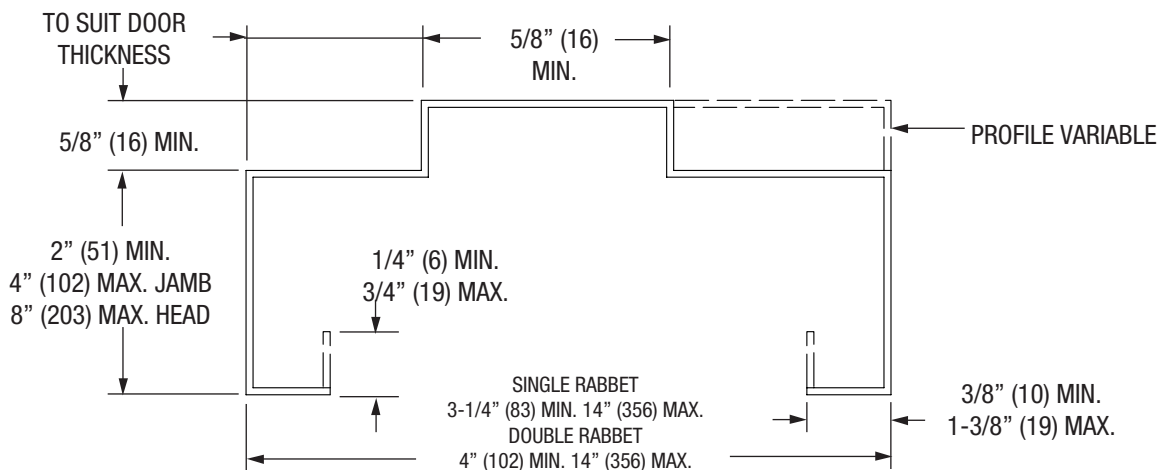
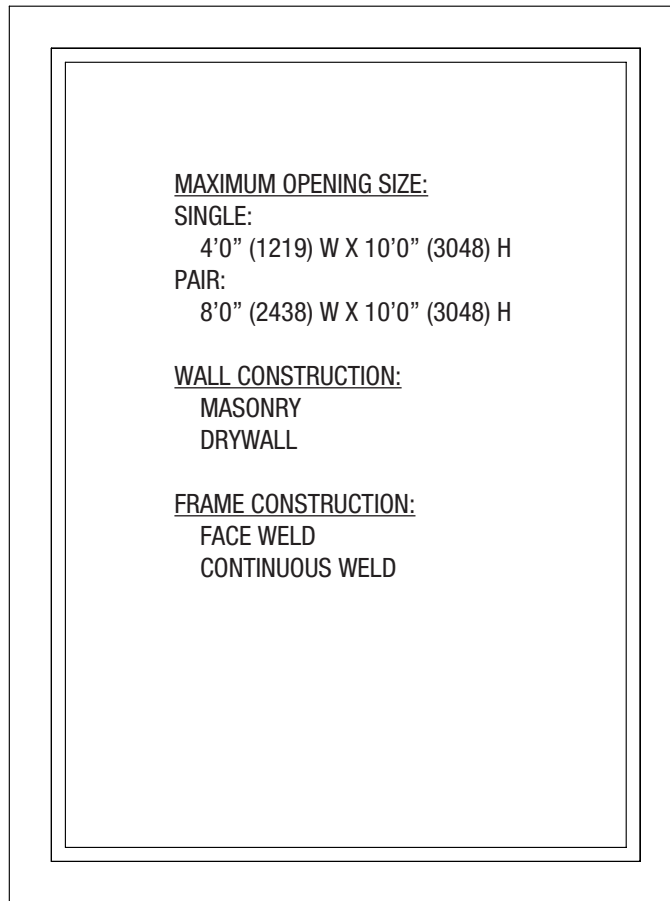
- ∩ 5/8" (16) MIN.
- ∩ VARIABLE PROFILE
- 4-3/4" (121) MIN.
14" (356) MAX.
- √ 3/8" (10) MIN.
- 1-3/8" (35) MAX.



90 MINUTE MAXIMUM RATING	
MAXIMUM FRAME SIZE:	12'0" (3658) W X 11'7-1/2" (3543) H
MAXIMUM DOOR SIZE:	SINGLE — 4'0" (1219) W X 10'0" (3048) H PAIR — 8'0" (2438) W X 10'0" (3048) H
GLAZING REQUIREMENTS:	SEE FRAME GLAZING CHARTS FOR GLAZING OPTIONS INCLUDING MAXIMUM HOURLY RATINGS. MAXIMUM VISIBLE AREA, MAXIMUM HEIGHT AND WIDTH, MINIMUM STOP HEIGHT, AND GLASS POCKET WIDTH FOR EACH GLAZING OPTION IS LISTED IN THE CHART. LISTED GLAZING COMPOUND, 100% SILICONE, OR CLOSED CELL FOAM TAPE MAY BE USED. SEE GLAZING MANUFACTURER'S INSTALLATION INSTRUCTIONS FOR OPTIONS.
WALL CONSTRUCTION:	DRYWALL ONLY
FRAME CONSTRUCTION:	FACE OR CONTINUOUS WELDS.
MATERIAL:	COLD ROLLED AND GALVANIZED STEEL 16 GA. (1.5) MINIMUM TO 12 GA. (2.6) MAXIMUM
ANCHORS:	ANY LISTED WELD IN OR SLIP-IN TYPE DRYWALL OR MASONRY ANCHORS MAY BE USED IN THIS FRAME
MAXIMUM PANEL DIMENSIONS TRANSOM PANEL	1-3/4" (44) THICK HOLLOW METAL TRANSOM PANEL NO GREATER THAN 96" (2438) W X 48" (1219) H 1/2" (13) THICK SOLID PANEL THAT SHALL BE NO GREATER THAN 96" (2438) W X 48" (1272) H ANY LISTED MANUFACTURER'S WOOD PANEL
SIDE PANELS	1-3/4" (44) THICK HOLLOW METAL THAT SHALL BE NO GREATER THAN 54" (1372) W X 54" (1372) H MAX NOT TO EXCEED 1296 (836127) SQ. IN. 1/2" (13) THICK SOLID PANEL THAT SHALL BE NO GREATER THAN 54" (1372) W X 54" (1372) H MAX NOT TO EXCEED 1296 (836127) SQ. IN.
NOTE:	<ol style="list-style-type: none"> 1) THIS FRAME MAY BE PROVIDED WITH A SCREW APPLIED FIELD SPLICE FOR CONNECTION AT THE JOB SITE. 2) CONFIGURATION OF THE PANEL AREAS MAY VARY. 3) GLASS STOP SCREW SPACING: NO. 8 OVAL HEAD SHEET METAL SCREW 2" (51) FROM EACH END AND 12" (304.8) ON CENTER MAX. 4) GLASS STOP EXTENDER MAY BE USED WITH THIS FRAME. 5) ASSEMBLY HAS NO TEMPERATURE RISE RATING.

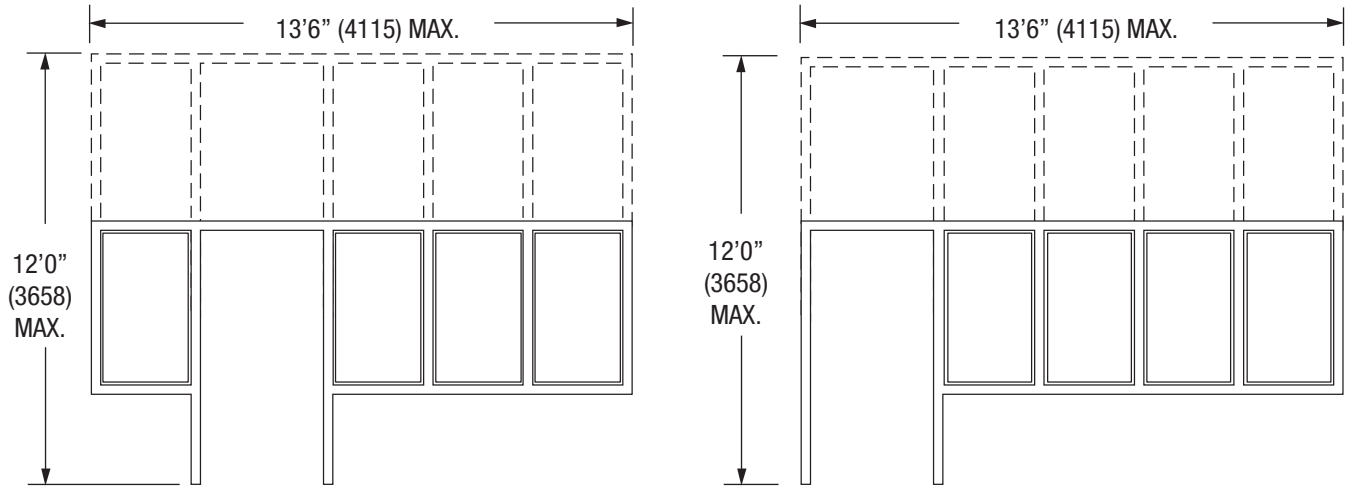
August, 2014

180 MINUTE MAXIMUM RATING - MASONRY WALLS
90 MINUTE MAXIMUM RATING - DRYWALL WALLS



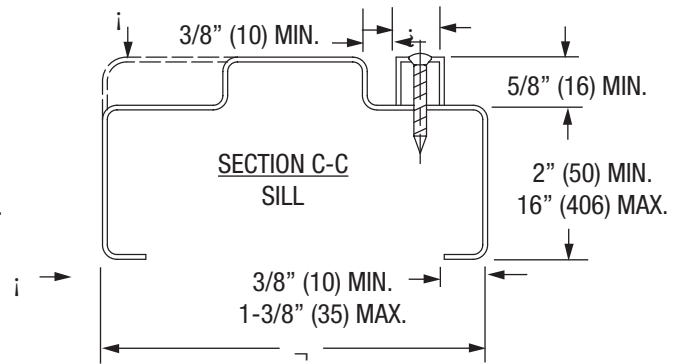
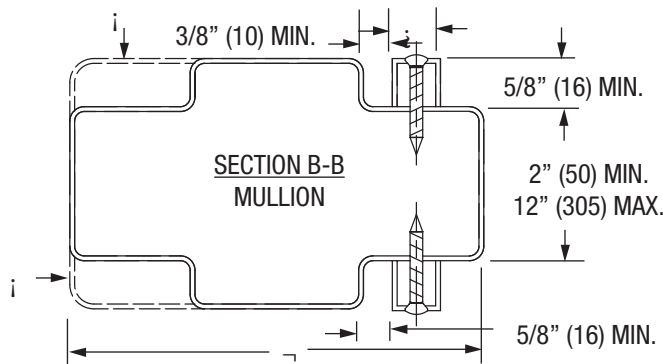
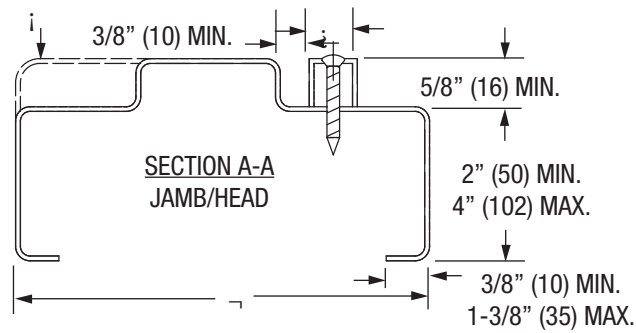
- NOTES:
- 1) FOR OPENINGS OVER 48" (1219) WIDE THE SILL MUST BE FITTED WITH A MULLION BASE ANCHOR AT ITS MIDPOINT.
 - 2) FOR USE WITH DOORS ONLY.
 - 3) 3-1/4" (83) TO 4" (102) JAMB DEPTH 1-3/8" (35) DOOR ONLY.
 - 4) ANY LISTED WELD IN OR SLIP-IN MASONRY OR DRYWALL ANCHOR MAY BE USED IN THIS FRAME. (COMPRESSION ANCHOR NOT ALLOWED)

**90 MINUTE MAXIMUM RATING IN MASONRY WALL
ELEVATION/SECTION DETAILS**



GENERAL NOTES:

- z 5/8" (16) MIN.
- i VARIABLE PROFILE
- ~ 4-3/4" (121) MIN.
- 14" (356) MAX.



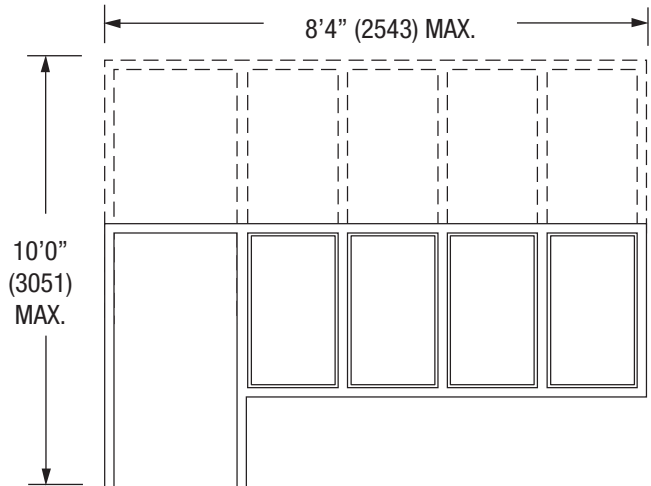
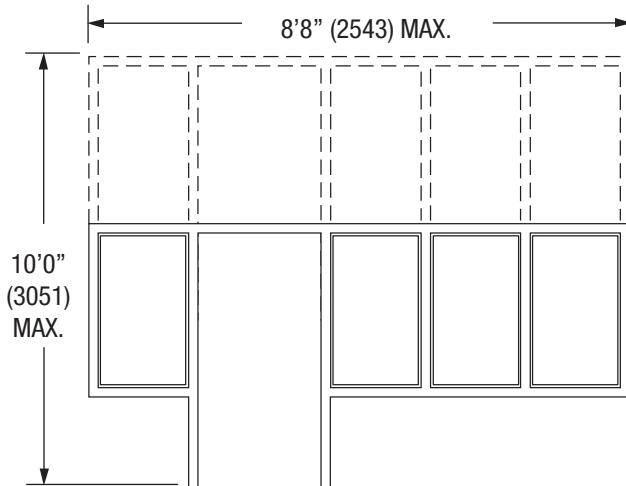
August, 2014

90 MINUTE MAXIMUM RATING

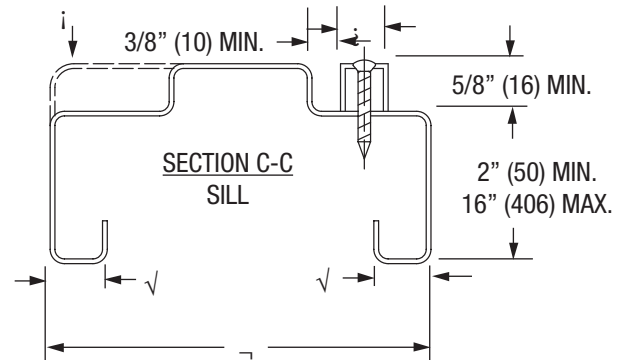
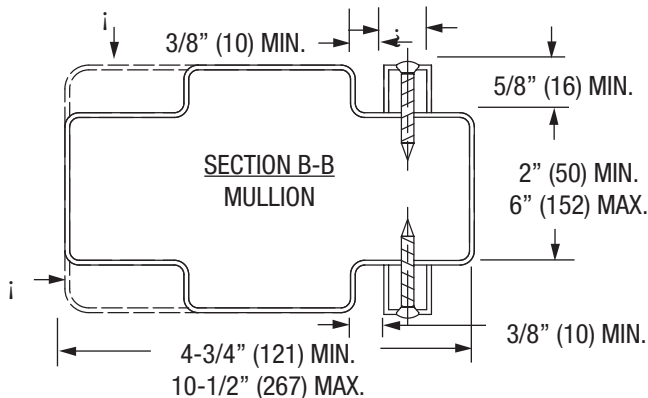
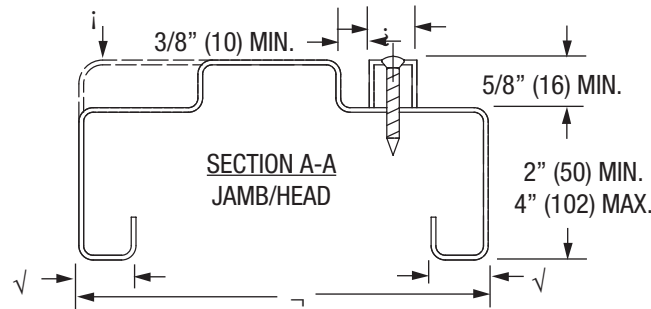
MAXIMUM FRAME SIZE:	13'6" (4115) W X 12'0" (3658) H
MAXIMUM DOOR SIZE:	SINGLE — 4'0" (1219) W X 10'0" (3048) H PAIR — 8'0" (2438) W X 10'0" (3048) H
GLAZING REQUIREMENTS:	SEE FRAME GLAZING CHARTS FOR GLAZING OPTIONS INCLUDING MAXIMUM HOURLY RATINGS. MAXIMUM VISIBLE AREA, MAXIMUM HEIGHT AND WIDTH, MINIMUM STOP HEIGHT, AND GLASS POCKET WIDTH FOR EACH GLAZING OPTION IS LISTED IN THE CHART. LISTED GLAZING COMPOUND, 100% SILICONE, OR CLOSED CELL FOAM TAPE MAY BE USED. SEE GLAZING MANUFACTURER'S INSTALLATION INSTRUCTIONS FOR OPTIONS.
WALL CONSTRUCTION:	MASONRY ONLY
FRAME CONSTRUCTION:	FACE OR CONTINUOUS WELDS.
MATERIAL:	COLD ROLLED AND GALVANIZED STEEL 16 GA. (1.5) MINIMUM TO 12 GA. (2.6) MAXIMUM
ANCHORS:	ANY LISTED WELD IN OR SLIP-IN TYPE DRYWALL OR MASONRY ANCHORS MAY BE USED IN THIS FRAME
MAXIMUM PANEL DIMENSIONS TRANSOM PANEL	1-3/4" (44) THICK HOLLOW METAL TRANSOM PANEL NO GREATER THAN 96" (2438) W X 48" (1219) H 1/2" (13) THICK SOLID PANEL THAT SHALL BE NO GREATER THAN 96" (2438) W X 48" (1272) H ANY LISTED MANUFACTURER'S WOOD PANEL
SIDE PANELS	1-3/4" (44) THICK HOLLOW METAL THAT SHALL BE NO GREATER THAN 54" (1372) W X 54" (1372) H MAX NOT TO EXCEED 1296 (836127) SQ. IN. 1/2" (13) THICK SOLID PANEL THAT SHALL BE NO GREATER THAN 54" (1372) W X 54" (1372) H MAX NOT TO EXCEED 1296 (836127) SQ. IN.

- NOTE:
- 1) THE CONFIGURATION OF THE TRANSOM AND SIDE AREAS MAY VARY.
 - 2) THIS FRAME MAY BE PROVIDED WITH A SCREW APPLIED FIELD SPLICE FOR CONNECTION AT THE JOB SITE.
 - 3) GLASS STOP SCREW SPACING: NO. 8 OVAL HEAD SHEET METAL SCREW 2" (50) FROM EACH END AND 12" (305) ON CENTER MAX.
 - 4) STOP EXTENDERS MAY BE USED WITH THIS FRAME.
 - 5) ASSEMBLY HAS NO TEMPERATURE RISE RATING.
 - 6) ANCHORS NOT REQUIRED IN HEAD.

**90 MINUTE MAXIMUM RATING IN DRYWALL WALLS
ELEVATION/SECTION DETAIL**



- GENERAL NOTES:**
- ∩ 5/8" (16) MIN.
 - ∩ VARIABLE PROFILE
 - ∩ 4-3/4" (121) MIN.
 - ∩ 14" (356) MAX.
 - √ 3/8" (10) MIN.
 - √ 1-3/8" (35) MAX.

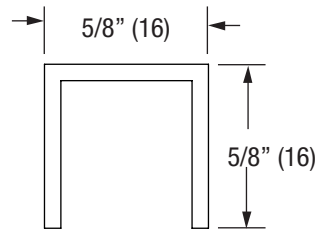


August, 2014

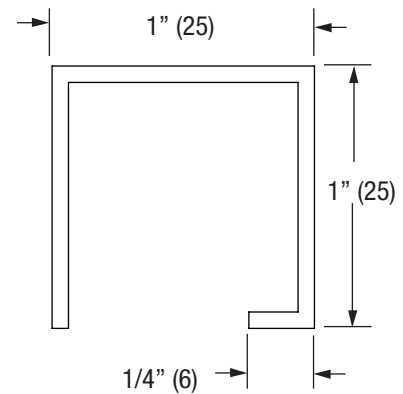
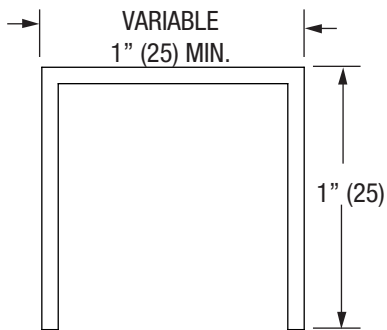
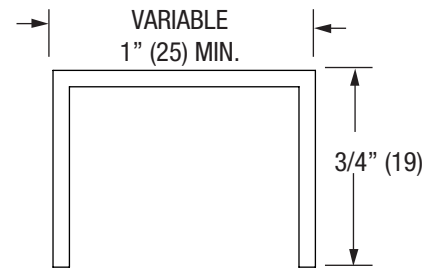
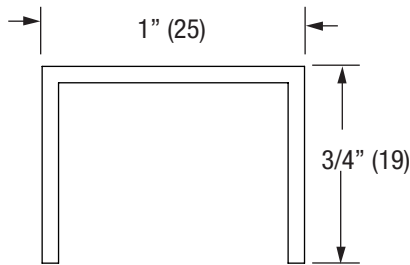
90 MINUTE MAXIMUM RATING

MAXIMUM FRAME SIZE:	8'4" (2543) W X 10'0" (3051) H
MAXIMUM DOOR SIZE:	SINGLE — 4'0" (1219) W X 10'0" (3048) H PAIR — 8'0" (2438) W X 10'0" (3048) H
GLAZING REQUIREMENTS:	SEE FRAME GLAZING CHARTS FOR GLAZING OPTIONS INCLUDING MAXIMUM HOURLY RATINGS. MAXIMUM VISIBLE AREA, MAXIMUM HEIGHT AND WIDTH, MINIMUM STOP HEIGHT, AND GLASS POCKET WIDTH FOR EACH GLAZING OPTION IS LISTED IN THE CHART. LISTED GLAZING COMPOUND, 100% SILICONE, OR CLOSED CELL FOAM TAPE MAY BE USED. SEE GLAZING MANUFACTURER'S INSTALLATION INSTRUCTIONS FOR OPTIONS.
WALL CONSTRUCTION:	DRYWALL ONLY
FRAME CONSTRUCTION:	FACE OR CONTINUOUS WELDS.
MATERIAL:	COLD ROLLED AND GALVANIZED STEEL 16 GA. (1.5) MINIMUM TO 12 GA. (2.6) MAXIMUM
ANCHORS:	ANY LISTED WELD IN OR SLIP-IN TYPE DRYWALL OR MASONRY ANCHORS MAY BE USED IN THIS FRAME
MAXIMUM PANEL DIMENSIONS TRANSOM PANEL	1-3/4" (44) THICK HOLLOW METAL TRANSOM PANEL NO GREATER THAN 96" (2438) W X 48" (1219) H 1/2" (13) THICK SOLID PANEL THAT SHALL BE NO GREATER THAN 96" (2438) W X 48" (1272) H ANY LISTED MANUFACTURER'S WOOD PANEL
SIDE PANELS	1-3/4" (44) THICK HOLLOW METAL THAT SHALL BE NO GREATER THAN 54" (1372) W X 54" (1372) H MAX NOT TO EXCEED 1296 (836127) SQ. IN. 1/2" (13) THICK SOLID PANEL THAT SHALL BE NO GREATER THAN 54" (1372) W X 54" (1372) H MAX NOT TO EXCEED 1296 (836127) SQ. IN.

- NOTE:
- 1) THIS FRAME MAY BE PROVIDED WITH A SCREW APPLIED FIELD SPLICE FOR CONNECTION AT THE JOB SITE.
 - 2) CONFIGURATION OF THE PANEL AREAS MAY VARY.
 - 3) GLASS STOP SCREW SPACING: NO. 8 OVAL HEAD SHEET METAL SCREW 2" (51) FROM EACH END AND 12" (305) ON CENTER MAX.
 - 4) GLASS STOP EXTENDER MAY BE USED WITH THIS FRAME.
 - 5) ASSEMBLY HAS NO TEMPERATURE RISE RATING.
 - 6) ANCHORS NOT REQUIRED IN HEAD.
 - 7) HORIZONTAL SILL REQUIRES ANCHORS FOR EACH 30" (762) OF LENGTH.

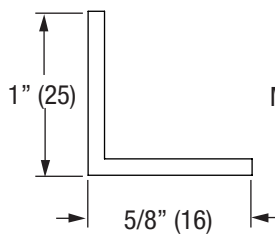


18 GA. (1.1) MIN.
R.K., OR S.S.



NOTE: SCREW SPACING: #8 OVAL HEAD SHEET METAL SCREWS 2" (51) FROM EACH
END AND 12" (305) ON CENTER MAX.

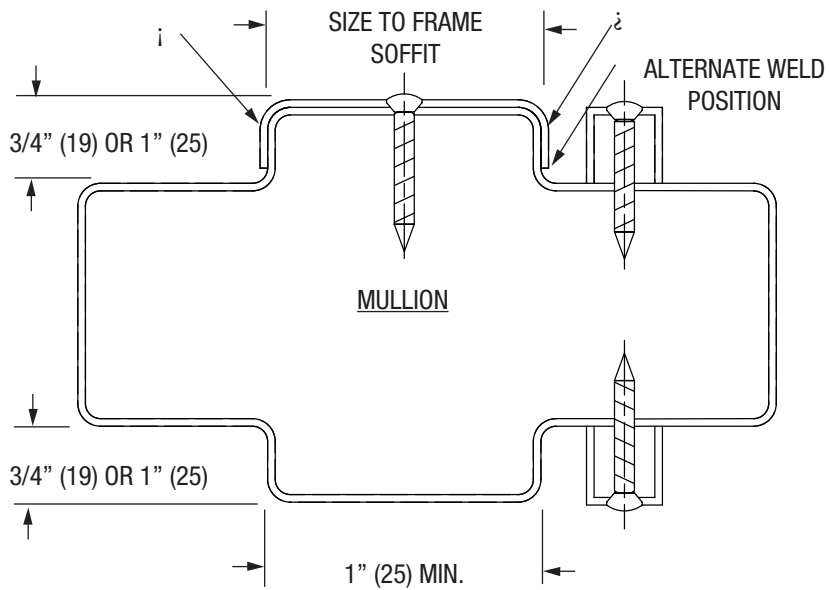
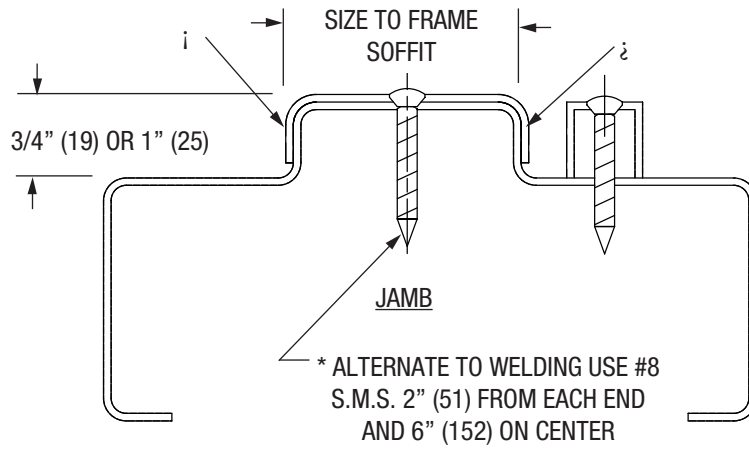
14 GA. (1.9) MIN.
R.K., OR S.S.



MINIMUM #8 MACHINE OR SELF DRILLING
SCREW.

56
Stop Extensions for Glass Lites and Transom/Sidelites
 Fire Rated Products

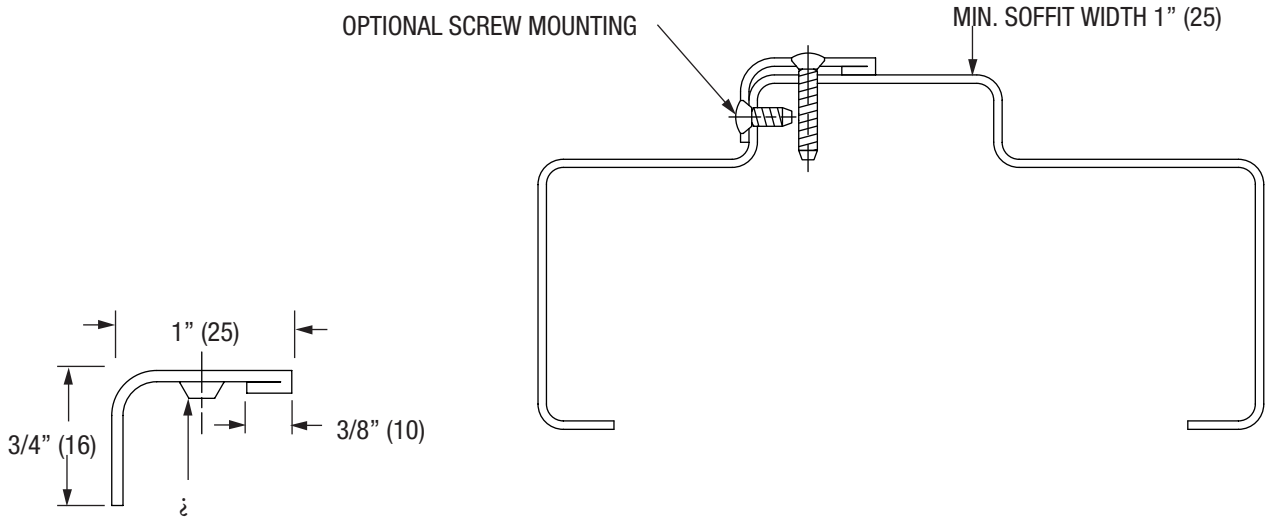
April, 2002



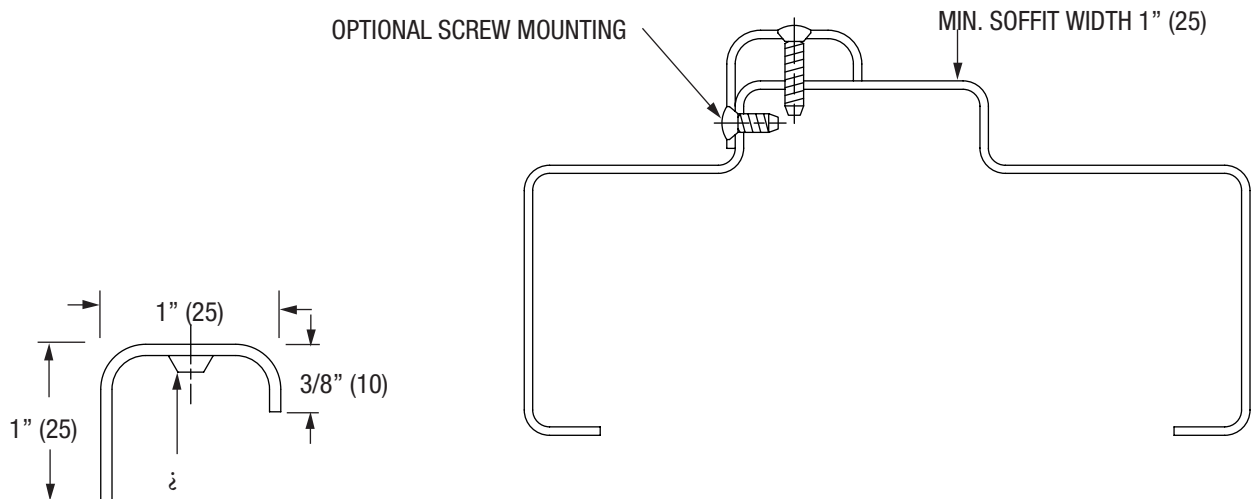
GENERAL NOTES:

- ⌘ WELDS 2" (51) FROM ENDS AND 12" (305) ON CENTERS
- ⌘ 16 GA. (1.5) STEEL STOP EXTENSION

STOP HEIGHT EXTENDER 5/8" (16) TO 3/4" (19)
MAT'L 16 GA. (1.5) STEEL



STOP HEIGHT EXTENDER 5/8" (16) TO 3/4" (19)



GENERAL NOTES:

- 1) OPTIONAL PUNCH AND COUNTERSINK FOR #8 OVAL HEAD S.M.S. 2" (51) FROM EACH END AND 6" (152) ON CENTER MAX.
- 2) MAY BE USED ON JAMB OR MULLION FRAME MEMBERS.
- 3) MATERIAL 16 GA. (1.5) STEEL AVAILABLE IN 60" (1524) LENGTHS MAX.

August, 2014

FOR USE WITH CURRIES FIRE RATED WINDOW FRAMES AND TRANSOM SIDELITE FRAMES

GLASS TYPE BRAND OR DESCRIPTION	RATING	MAX EXPOSED AREA SQ. IN.	MAX VISIBLE WIDTH INCHES	MAX VISIBLE HEIGHT INCHES	GLASS THICKNESS INCHES	MIN STOP HEIGHT INCHES	MIN POCKET WIDTH INCHES
LISTED WIRE GLASS	20 MIN W/O HOSE	5268	109-3/4	109-3/4	1/4	5/8	3/8
LISTED WIRE GLASS	20 AND 45 MINUTE	1296	54	54	1/4	5/8	3/8
CENTRAL/ASAHI OR PILKINGTON WIRE GLASS WITH PEMKO FG3000	20 AND 45 MINUTE	4704	106	106	1/4	5/8	7/16
FIREGLAS 20 ³ (TECHNICAL GLASS)	20 MIN W/O HOSE	6936	106-1/2	106-1/2	SEE NOTE 1	5/8	SEE NOTE 1
FIRELITE, FIRELITE PLUS, FIRELITE NT, OR FIRELITE IGU ³ (TECHNICAL GLASS)	20 MIN W/O HOSE	3325	95	95	SEE NOTE 2	5/8	SEE NOTE 2
FIRELITE, FIRELITE PLUS, FIRELITE NT, OR FIRELITE IGU ³ (TECHNICAL GLASS)	20 AND 45 MINUTE	3325	95	95	SEE NOTE 2	5/8	SEE NOTE 2
FIRELITE, FIRELITE PLUS, FIRELITE NT, OR FIRELITE IGU ³ (TECHNICAL GLASS)	60 MINUTE	2721	77	77	SEE NOTE 2	5/8	SEE NOTE 2
FIRELITE, FIRELITE PLUS, FIRELITE NT, OR FIRELITE IGU (TECHNICAL GLASS) ³	90 MINUTE	2627	46-1/2	56-1/2	SEE NOTE 2	5/8	SEE NOTE 2
PYRO-EDGE 20 ³ (INTEREDGE TECHNOLOGIES)	20 MIN W/O HOSE	3698	40-3/4	90-3/4	1/4	5/8	3/8
PYROSTOP ³	60 MINUTES	5605	95	95	1-1/16	5/8	1-3/16
PYROSTOP ³	90 MINUTES	3724	89-3/4	89-3/4	1-9/16	5/8	1-11/16
NOTE 1	FIREGLAS IS AVAILABLE IN 1/4", 3/8", 1/2", AND 3/4" THICKNESS. POCKET WIDTH IS 1/8" GREATER THAN GLASS THICKNESS						
NOTE 2	FIRELITE AND FIRELITE NT ARE 3/16" THICK, 3/8" MINIMUM POCKET WIDTH; FIRELITE PLUS IS 5/16" THICK 1/2" MINIMUM POCKET WIDTH; FIRELITE IGU IS 1" THICK, 1-1/8" MINIMUM POCKET WIDTH.						
NOTE 3	GLASS CAPABILITIES AVAILABLE THROUGH UL ONLY. NOT OFFERED THROUGH INTERTEK.						

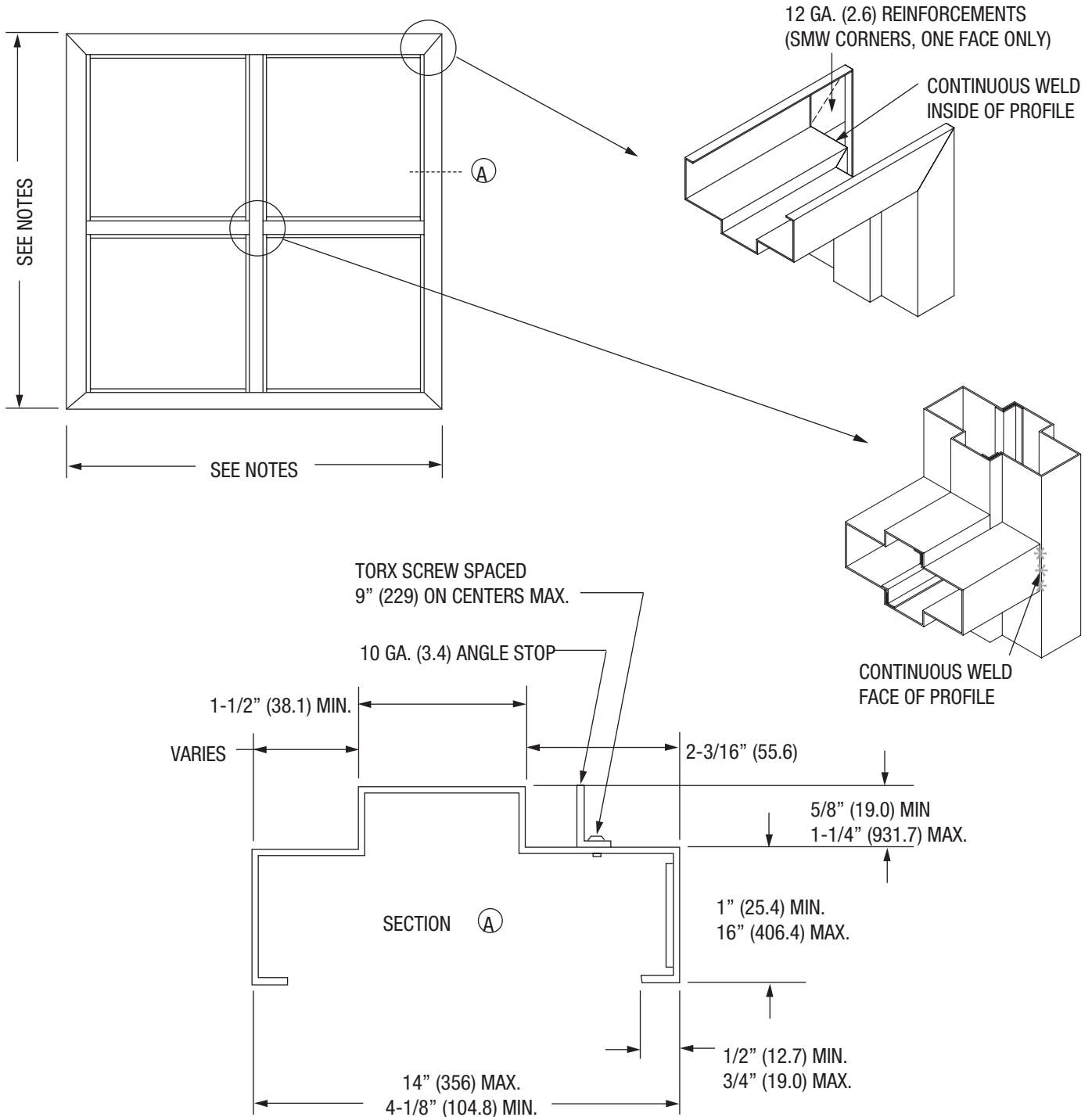
For use with CURRIES' Vision Light Frames

August, 2014

GLASS TYPE BRAND OR DESCRIPTION	RATING	MAX EXPOSED AREA SQ. IN. (SEE NOTE 6)	MAX WIDTH INCHES (SEE NOTE 6)	MAX HEIGHT INCHES (SEE NOTE 6)	GLASS THICKNESS INCHES	MIN STOP HEIGHT INCHES	MIN POCKET WIDTH INCHES
LISTED WIRE GLASS	20 MIN W/O HOSE	2294	35-13/16	83-5/8	1/4	5/8	3/8
LISTED WIRE GLASS	20 AND 45 MINUTE	1296	54	54	1/4	5/8	3/8
LISTED WIRE GLASS	90 MINUTE	100 PER LEAF	12	33	1/4	5/8	3/8
CENTRAL/ASAHI OR PILKINGTON WIRE GLASS WITH PEMKO FG3000	20 AND 45 MINUTE	2856	34	84	1/4	5/8	7/16
CENTRAL/ASAHI OR PILKINGTON WIRE GLASS WITH PEMKO FG3000	90 MINUTE	552 PER LITE 2204 PER LEAF	12	46	1/4	5/8	7/16
FIREGLAS 20 ⁷ (TECHNICAL GLASS)	20 MIN W/O HOSE	3024	36	89	SEE NOTE 1	5/8	SEE NOTE 1
FIRELITE, FIRELITE PLUS, FIRELITE NT, OR FIRELITE IGU ⁷ (TECHNICAL GLASS)	20 MIN W/O HOSE	3204	36	89	SEE NOTE 2	5/8	SEE NOTE 2
FIRELITE, FIRELITE PLUS, FIRELITE NT, OR FIRELITE IGU ⁷ (TECHNICAL GLASS)	20 AND 45 MINUTE	3204	36	89	SEE NOTE 2	5/8	SEE NOTE 2
FIRELITE, FIRELITE PLUS, FIRELITE NT, OR FIRELITE IGU ⁷ (TECHNICAL GLASS)	60 MINUTE (SEE NOTE 5)	3204	36	89	SEE NOTE 2	5/8	SEE NOTE 2
FIRELITE, FIRELITE PLUS, FIRELITE NT, OR FIRELITE IGU ⁷ (TECHNICAL GLASS)	90 MINUTE (SEE NOTE 5)	1296 PER LEAF	36	54	SEE NOTE 2	5/8	SEE NOTE 2
FIRELITE, FIRELITE PLUS, FIRELITE NT, OR FIRELITE IGU ⁷ (TECHNICAL GLASS)	180 MINUTE (SEE NOTE 5)	100 PER LEAF	33	33	SEE NOTE 2	5/8	SEE NOTE 2
PYROSTOP ⁷ SEE NOTE 3	60 MINUTES (SEE NOTE 5)	1080	36	36	1-1/16	5/8	1-3/16
PYROSTOP ⁷ SEE NOTE 3	90 MINUTES (SEE NOTE 5)	1080	36	36	1-9/16	5/8	1-11/16
UL PANEL 1/2"	90 MINUTES	1296 PER PANEL 2592 PER LEAF	36	36	1/2" PANEL	3/4	1/2
NOTE 1	FIREGLAS IS AVAILABLE IN 1/4", 3/8", 1/2", AND 3/4" THICKNESS. POCKET WIDTH IS 1/8" GREATER THAN GLASS THICKNESS						
NOTE 2	FIRELITE AND FIRELITE NT ARE 3/16" THICK, 3/8" MINIMUM POCKET WIDTH; FIRELITE PLUS IS 5/16" THICK 1/2" MINIMUM POCKET WIDTH; FIRELITE IGU IS 1" THICK, 1-1/8" MINIMUM POCKET WIDTH.						
NOTE 3	PYROSTOP MAY BE USED ON CURRIES DOORS WITH 250 OR 450 DEGREE TEMPERATURE RISE RATINGS.						
NOTE 4	ALL GLASS AREAS ARE PER VISION LIGHT, UNLESS OTHERWISE INDICATED. MULTIPLE VISION LIGHTS ARE ALLOWED.						
NOTE 5	CODE REQUIREMENTS MAY LIMIT USE IN 60 MINUTE OR GREATER DURATIONS. USE IS SUBJECT TO THE APPROVAL OF AUTHORITY HAVING JURISDICTION.						
NOTE 6	WARNOCK HERSEY LIMITATIONS MAY BE LESS THEN PUBLISHED DIMENSIONS.						
NOTE 7	UL LISTING ONLY.						

NOTES:

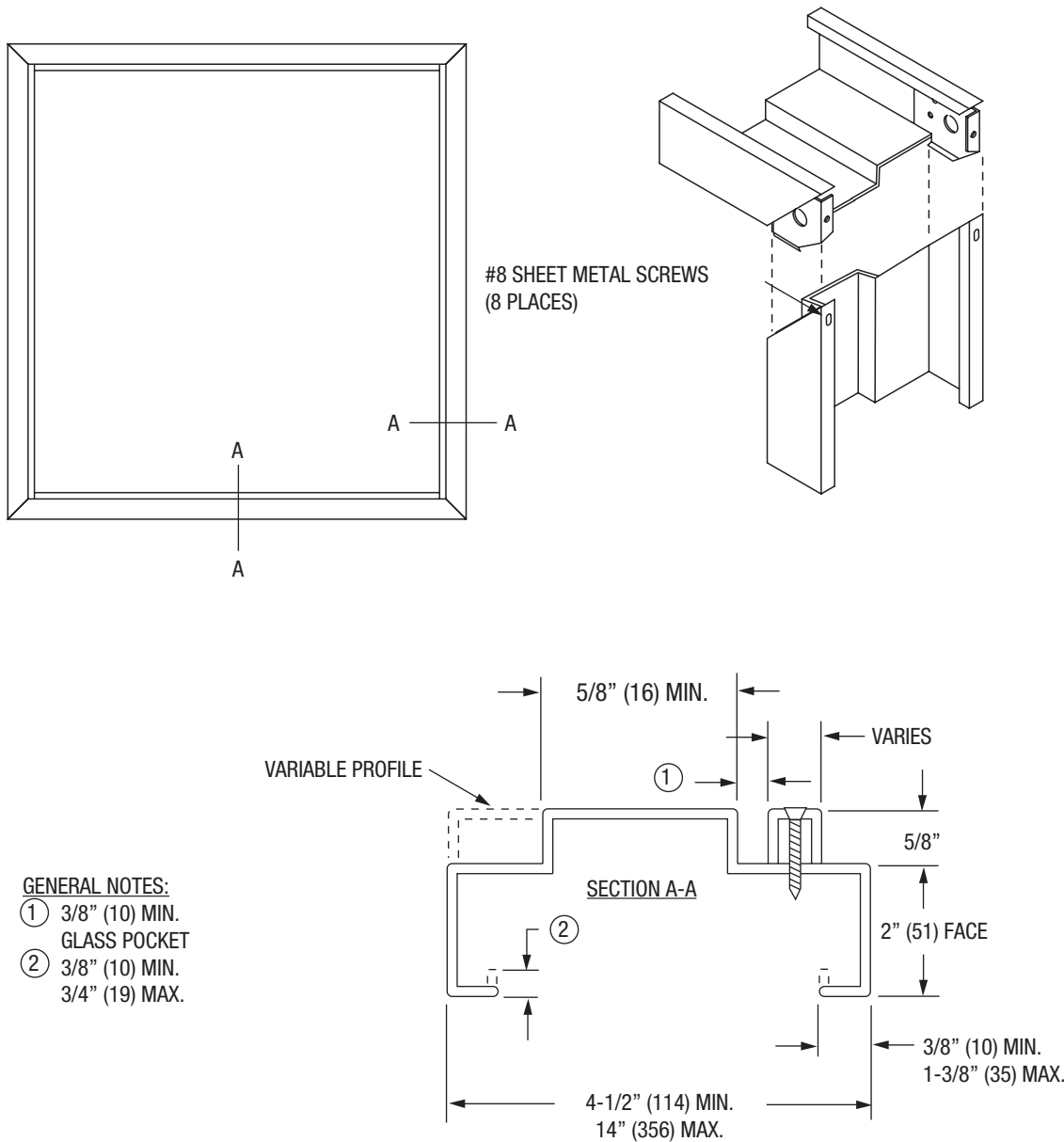
1. MAX. WINDOW OPENINGS: PER GLASS MANUFACTURER'S LIMITS.
2. GAUGE: 12 (2.6) GA. ONLY.
3. WALL CONSTRUCTION: MASONRY ONLY.
4. FRAME CONSTRUCTION: SAW BUTT WELD (SBW) OR SAW MITER WELD (SMW) ONLY.
5. MASONRY ANCHORS ONLY.



62
KD Fire Window Frame (20 Min. Without Hose Stream)
 Fire Rated Products

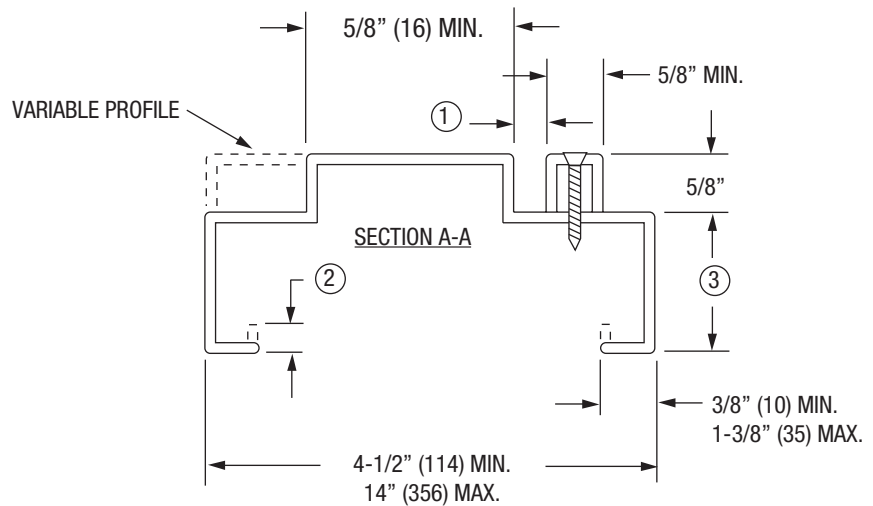
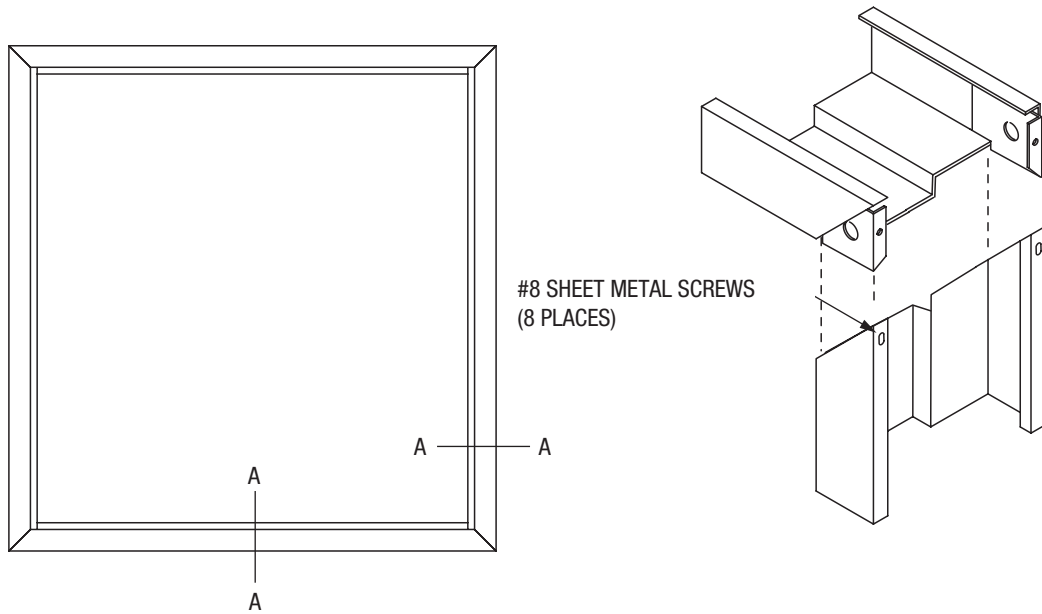


December, 2013



SPECIFICATIONS:

- A) SIZE: MAX. INDIVIDUAL VISIBLE GLASS SIZE IS 109-3/4" (2788) WIDE AND 109-3/4" (2788) HIGH, NOT TO EXCEED 5268 SQ. INCHES.
- B) POCKET DEPTH: 5/8" (16) MIN.
- C) WALL CONSTRUCTION: DRYWALL
- D) FRAME CONSTRUCTION: KD
- E) ANCHORS: FIRE WINDOW FRAME SHALL BE PROVIDED WITH LABEL APPROVED DRYWALL ANCHORS. IF COMPRESSION TYPE ANCHORS ARE USED THEY SHALL BE INSTALLED IN THE SILL AND HEAD MEMBERS.
- F) MATERIAL: COLD ROLLED OR GALVANIZED STEEL
- G) GAUGE: 16 GA. (1.5) MIN., 14 GA. (1.8) MAX.
- H) GLASS STOP SCREWS: NO. 8 SHEET METAL SCREWS SPACED 2" (51) FROM EACH END AND 12" (305) ON CENTER.



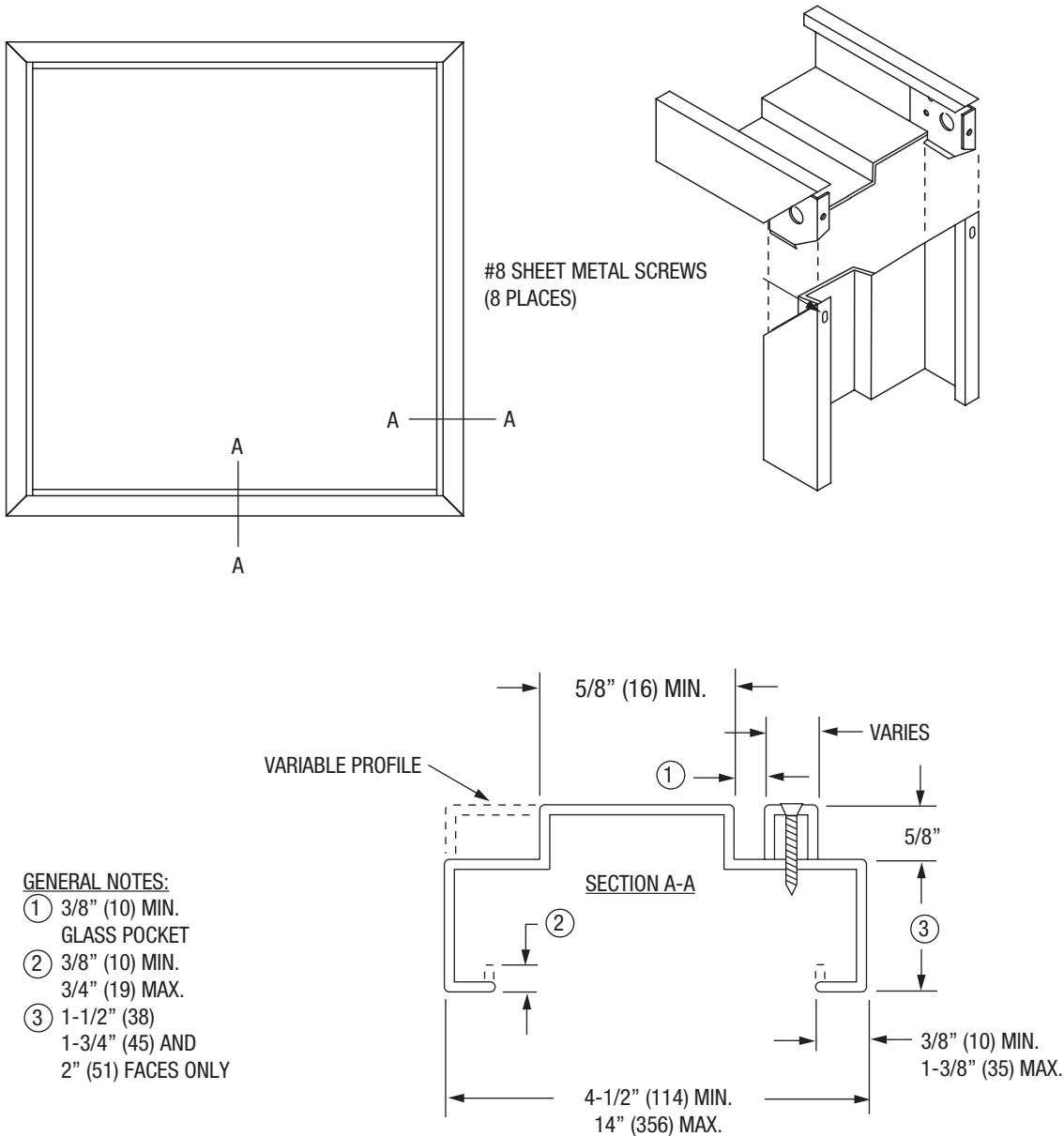
- GENERAL NOTES:**
- ① 3/8" (10) MIN. GLASS POCKET
 - ② 3/8" (10) MIN. 3/4" (19) MAX.
 - ③ 1-1/2" (38) 1-3/4" (45) AND 2" (51) FACES ONLY

SPECIFICATIONS:

- A) WALL CONSTRUCTION: DRYWALL
- B) FRAME CONSTRUCTION: KD
- C) ANCHORS: FIRE WINDOW FRAME SHALL BE PROVIDED WITH LABEL APPROVED DRYWALL ANCHORS. IF COMPRESSION TYPE ANCHORS ARE USED THEY SHALL BE INSTALLED IN THE SILL AND HEAD MEMBERS.
- D) MATERIAL: COLD ROLLED OR GALVANIZED STEEL
- E) GAUGE: 16 GAUGE (1.5) MIN., 14 GA. (1.9) MAX.
- F) GLASS STOP SCREWS: NO. 8 SHEET METAL SCREWS SPACED 2" (51) FROM EACH END AND 12" (305) ON CENTER.
- G) MUST USE NORTON NORSEAL TAPE V980 OR 100% SILICON.

MAX. AREA EXPOSED GLASS SQ. IN.	MAX. WIDTH IN.	MAX. HEIGHT IN.	MIN. DEPTH OF POCKET IN.
1296 (836,127)	54 (1372)	54 (1372)	5/8 (16)

August, 2014

**SPECIFICATIONS:**

- A) SIZE: MAX. INDIVIDUAL VISIBLE GLASS SIZE IS 54" (1372) WIDE AND 77-3/4" (1975) HIGH, NOT TO EXCEED 2721 SQ. INCHES.
- B) POCKET DEPTH: 5/8" (16) MIN.
- C) WALL CONSTRUCTION: DRYWALL
- D) FRAME CONSTRUCTION: KD
- E) ANCHORS: FIRE WINDOW FRAME SHALL BE PROVIDED WITH LABEL APPROVED DRYWALL ANCHORS. IF COMPRESSION TYPE ANCHORS ARE USED THEY SHALL BE INSTALLED IN THE SILL AND HEAD MEMBERS.
- F) MATERIAL: COLD ROLLED OR GALVANIZED STEEL
- G) GAUGE: 16 GA. (1.5) MIN., 14 GA. (1.9) MAX.
- H) GLASS STOP SCREWS: NO. 8 SHEET METAL SCREWS SPACED 2" (51) FROM EACH END AND 12" (305) ON CENTER.
- I) GLAZING MATERIAL: "FIRELITE" OR "FIRELITE PLUS" GLASS INSTALLED WITH EITHER 100% SILICON, DAP 33, OR METACAUULK 990 GLAZING COMPOUND.
- J) MAY NOT BE USED FOR POSITIVE PRESSURE APPLICATIONS.

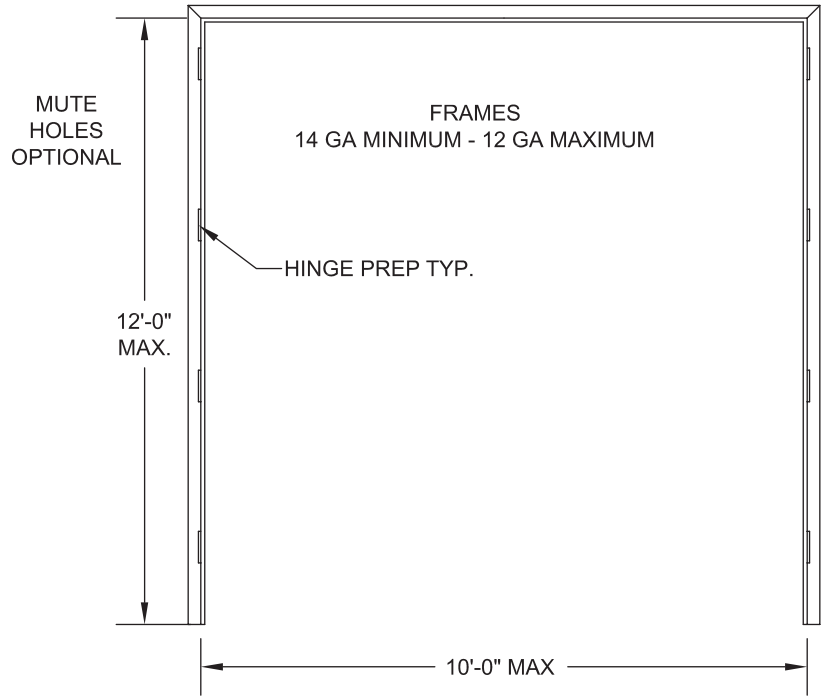
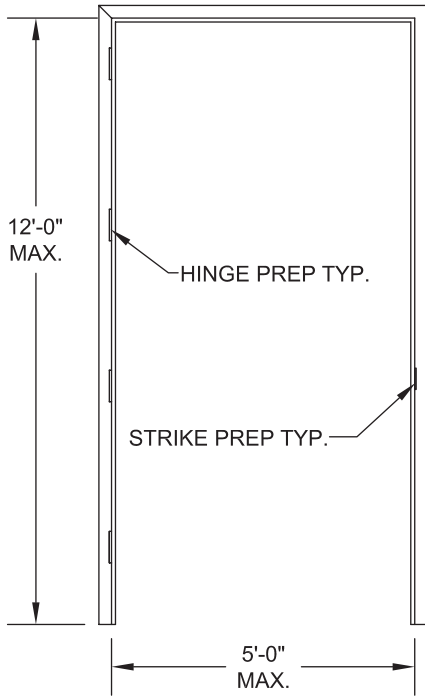
PANEL DESCRIPTION	RATING	MAX EXPOSED AREA SQ. IN.	MAX VISIBLE WIDTH INCHES	MAX VISIBLE HEIGHT INCHES	MIN STOP HEIGHT INCHES	MATERIAL THICKNESS INCHES	MIN POCKET WIDTH INCHES
SIDE PANELS							
CURRIES POLYSTYRENE CORE	90 MINUTES	4608	48	96	5/8	1-3/4	1-7/8
CURRIES TEMPERATURE RISE CORE	90 MINUTES	4608	48	96	5/8	1-3/4	1-7/8
CURRIES STEEL STIFFENED CORE	90 MINUTES	4608	48	96	5/8	1-3/4	1-7/8
CURRIES 1/2" COMPOSITE CORE	90 MINUTES	4608	48	96	5/8	1/2	5/8
WOOD PANELS	90 MINUTES	SEE NOTE 2					
TRANSOM PANELS							
CURRIES POLYSTYRENE CORE	90 MINUTES	4608	96	48	5/8	1-3/4	1-7/8
CURRIES TEMPERATURE RISE CORE	90 MINUTES	4608	96	48	5/8	1-3/4	1-7/8
CURRIES STEEL STIFFENED CORE	90 MINUTES	4608	96	48	5/8	1-3/4	1-7/8
CURRIES 1/2" COMPOSITE CORE	90 MINUTES	4608	96	48	5/8	1/2	5/8
WOOD PANELS	90 MINUTES	SEE NOTE 2					
NOTE 2	LISTED WOOD PANELS MAY BE USED IN CURRIES FRAMES AS ALLOWED BY THE WOOD PANEL MANUFACTURER'S LISTINGS.						
NOTE 3	USE SPRING BOLT SPACING FROM WOOD PANEL MANUFACTURER.						

UL LISTING ONLY

April, 2011

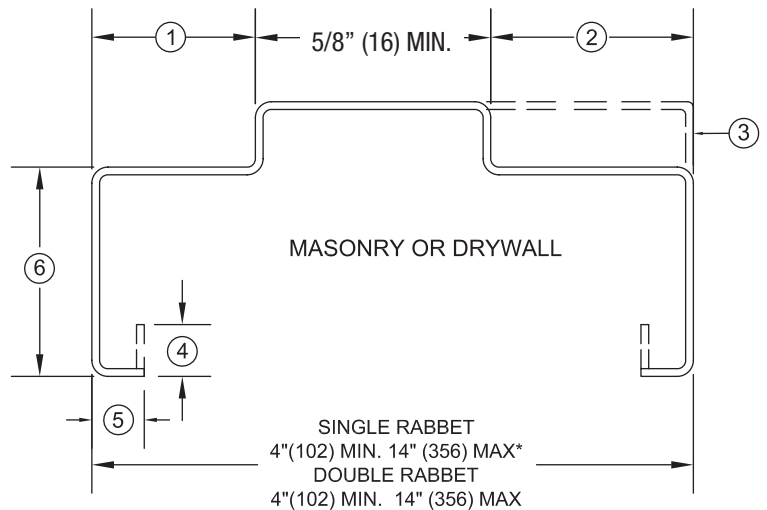
90 MINUTE MAXIMUM RATING 5'0" X 12'0" SINGLES 10'0" X 12'0" PAIRS NO DOUBLE EGRESS ALLOWED UL LISTING ONLY	
DOOR TYPE	747T ONLY
DOOR GAUGE	16 GA. (1.4) OR 14 GA. (1.9)
FACE TYPE	FLUSH OR GLAZED USING ANY UL CLASSIFIED GLAZING MATERIAL CLASSIFIED FOR USE IN HOLLOW METAL FIRE DOORS
RIB GAUGE	22 GA. (.75) OR 20 GA. (.9)
RIB SPACING	6" ON CENTER MAX.
HINGE CHANNEL	12 GA. (2.6)
LOCK CHANNEL	14 GA. (1.9)
EDGE WELDING	CONTINUOUS EDGE WELDING REQUIRED
END CHANNEL	14 GA. (1.9)
TOP CAP (REQUIRED)	16 GA. (1.4) SCREW APPLIED OR WELDED
HARDWARE	
HINGES	FULL MORTISE HINGES MEETING REQUIREMENTS OF BHMA A156.1 AMERICAN NATIONAL STANDARD FOR BUTTS AND HINGES FOR STANDARD WEIGHT, GRADE 1 HINGES. FIVE HINGES REQUIRED FOR DOORS OVER 10' TALL.
ACTIVE DOOR	MORTISE LOCK WITH 3/4 IN. MINIMUM THROW MUST BE USED. MORTISE LOCK MUST BE UL LISTED FOR USE ON A 4'0" X 10'0" 90 MINUTE FIRE RATED HOLLOW METAL DOOR TO BE USED ON DOORS UP TO AND INCLUDING 5'0" X 12'0". 10 GAUGE TABE REQUIRED.
INACTIVE DOOR	<p>FLUSH OR SURFACE BOLTS, AUTOMATIC TYPE, MANUAL TYPE OR SELF-LATCHING WITH 3/4 IN. MINIMUM THROW MAY BE USED. BOLTS MUST BE UL LISTED FOR USE ON 4'0" X 10'0" 90 MIN. FIRE RATED HOLLOW METAL DOOR TO BE USED ON DOORS UP TO AND INCLUDING 5'0" X 12'0". BOLTS WITH EXTENSIONS UP TO 60" LONG MAY BE USED. 10 GAUGE FLUSH BOLT AND E1 STRIKE TABS ARE REQUIRED. 12 GAUGE FLUSH BOLT TABS IN END CHANNELS REQUIRED.</p> <p>AUXILIARY LATCHES FOR SINGLES GREATER THAN 4'0" WIDE, PAIRS GREATER THAN 8'0" WIDE OR THE HEIGHT EXCEEDS 10'0" UL LISTED AUXILIARY FIRE LATCH; MORTISE TYPE FUSIBLE LINK "POPPER" INSTALLED IN THE TOP OF THE ACTIVE LEAF AT THE LOCK STILE, ENGAGING INTO THE FRAME HEAD DOOR RABBET. REINFORCE PER TEMPLATE.</p>
CLOSER	DOORS MUST BE EQUIPPED WITH UL LISTED SWINGING DOOR CLOSERS. 12 GAUGE CLOSER REINFORCEMENT REQUIRED.
ASTRAGALS	DOOR PAIRS MUST BE EQUIPPED WITH A 1-1/2" X 12 GA. (2.4) STEEL FLAT ASTRAGAL INSTALLED ON THE ACTIVE OR INACTIVE DOOR.

90 MINUTE MAXIMUM RATING
3 SIDED FRAMES
NO DOUBLE EGRESS ALLOWED
UL LISTING ONLY



GENERAL NOTES:

- ① TO SUIT DOOR THICKNESS
- ② VARIES
- ③ PROFILE VARIABLE
- ④ 3/8" (10) MIN
3/4" (19) MAX
- ⑤ 1/2" (13) MIN
3/4" (19) MAX
- ⑥ 1-1/2"(38) MIN
4" (102) MAX JAMB
4" (102) MAX HEAD



Three Sided Fire Door Frame (UL)

Fire Rated Products

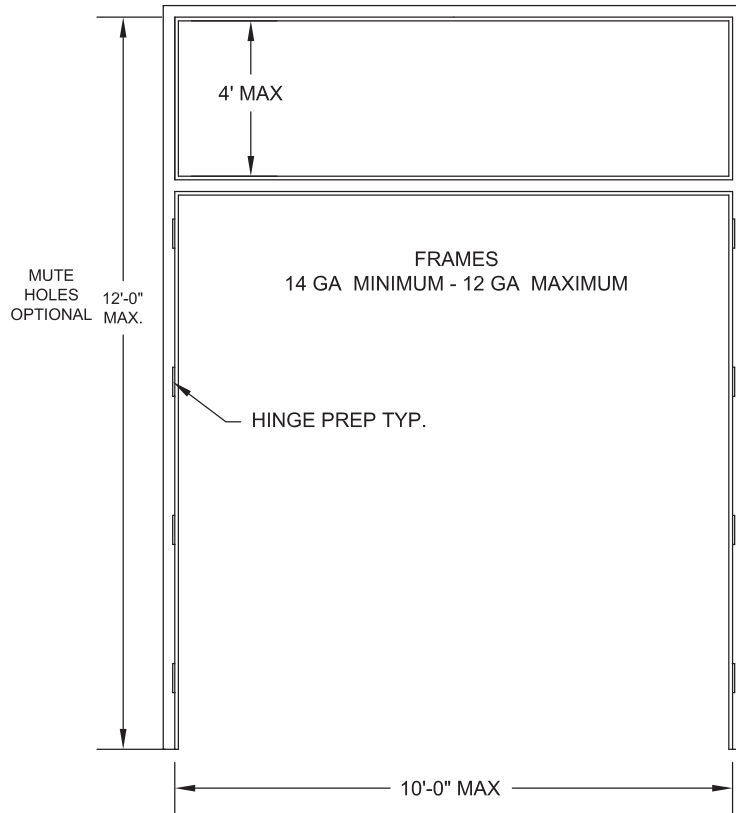
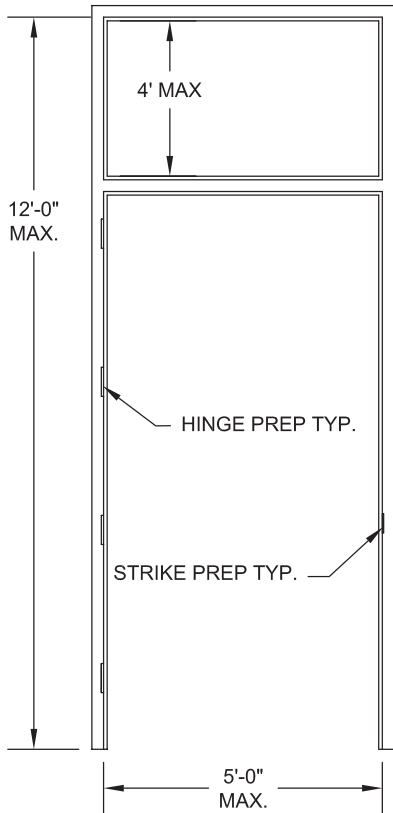
June, 2010

**90 MINUTE MAXIMUM RATING
3 SIDED FRAMES
NO DOUBLE EGRESS ALLOWED
UL LISTING ONLY**

MAXIMUM FRAME SIZES

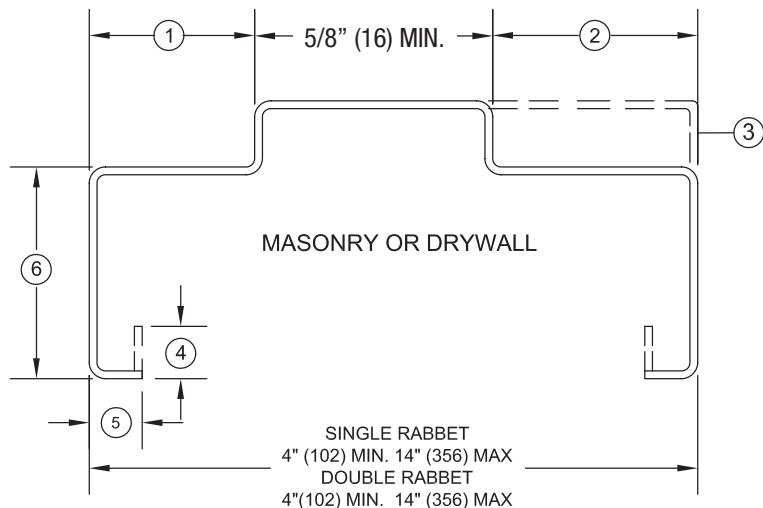
MASONRY/DRYWALL	SINGLE: 5'0" (1524) W X 12'0" (3658) H PAIRS: 10'0" (3048)W X 12'0" (3658) H
WALL CONSTRUCTION	MINIMUM 90 MIN. RATED DRYWALL OR MASONRY
FRAME CORNER CONSTRUCTION	FACE WELD, CONTINUOUS WELD, FIELD SPLICE INSTALLED IN ACCORDANCE WITH RECOMMENDED PRACTICES PRESENTED IN NFPA 80 AND NAAMM STANDARD HMMMA 850-0.
ANCHORS	ANY LISTED MASONRY TYPE OR WELD-IN DRYWALL TYPE ANCHORS MAY BE USED IN THIS FRAME (COMPRESSION ANCHORS NOT ALLOWED).
MATERIAL	14 GA. (1.7) MIN. 12 GA. (2.4) MAX. COLD ROLLED OR GALVANIZED STEEL
HARDWARE RESTRICTIONS - FOR DOOR LEAVES GREATER THAN 4' WIDE OR 10' TALL	
HINGES	FULL MORTISE HINGES MEETING REQUIREMENTS OF BHMA A156.1 AMERICAN NATIONAL STANDARD FOR BUTTS AND HINGES FOR STANDARD WEIGHT, GRADE 1 HINGES. FIVE HINGES REQUIRED FOR DOORS OVER 10' TALL.
ACTIVE DOOR	SINGLE POINT, MORTISE TYPE ONLY
INACTIVE DOOR	FLUSH OR SURFACE BOLTS, AUTOMATIC TYPE, MANUAL TYPE OR SELF-LATCHING WITH 3/4 IN. MINIMUM THROW AUXILIARY LATCHES FOR SINGLES GREATER THAN 4'0" WIDE, PAIRS GREATER THAN 8'0" WIDE OR THE HEIGHT EXCEEDS 10'0" UL LISTED AUXILIARY FIRE LATCH; MORTISE TYPE FUSIBLE LINK "POPPER" INSTALLED IN THE TOP OF THE ACTIVE LEAF AT THE LOCK STILE, ENGAGING INTO THE FRAME HEAD DOOR RABBET. REINFORCE PER TEMPLATE.
CLOSER	12 GAUGE REINFORCEMENT REQUIRED
FLUSH BOLT	7 GA. (4.5) MIN. REINFORCEMENT REQUIRED

90 MINUTE MAXIMUM RATING
3 SIDED FRAMES WITH TRANSOM
NO DOUBLE EGRESS ALLOWED
UL LISTING ONLY



GENERAL NOTES:

- ① TO SUIT DOOR THICKNESS
- ② VARIES
- ③ PROFILE VARIABLE
- ④ 3/8" (10) MIN
3/4" (19) MAX
- ⑤ 1/2" (13) MIN
3/4" (19) MAX
- ⑥ 1-1/2" (38) MIN
4" (102) MAX JAMB
4" (102) MAX HEAD



September, 2008

**90 MINUTE MAXIMUM RATING
3 SIDED FRAMES WITH TRANSOM
NO DOUBLE EGRESS ALLOWED
UL LISTING ONLY**

MAXIMUM FRAME SIZES

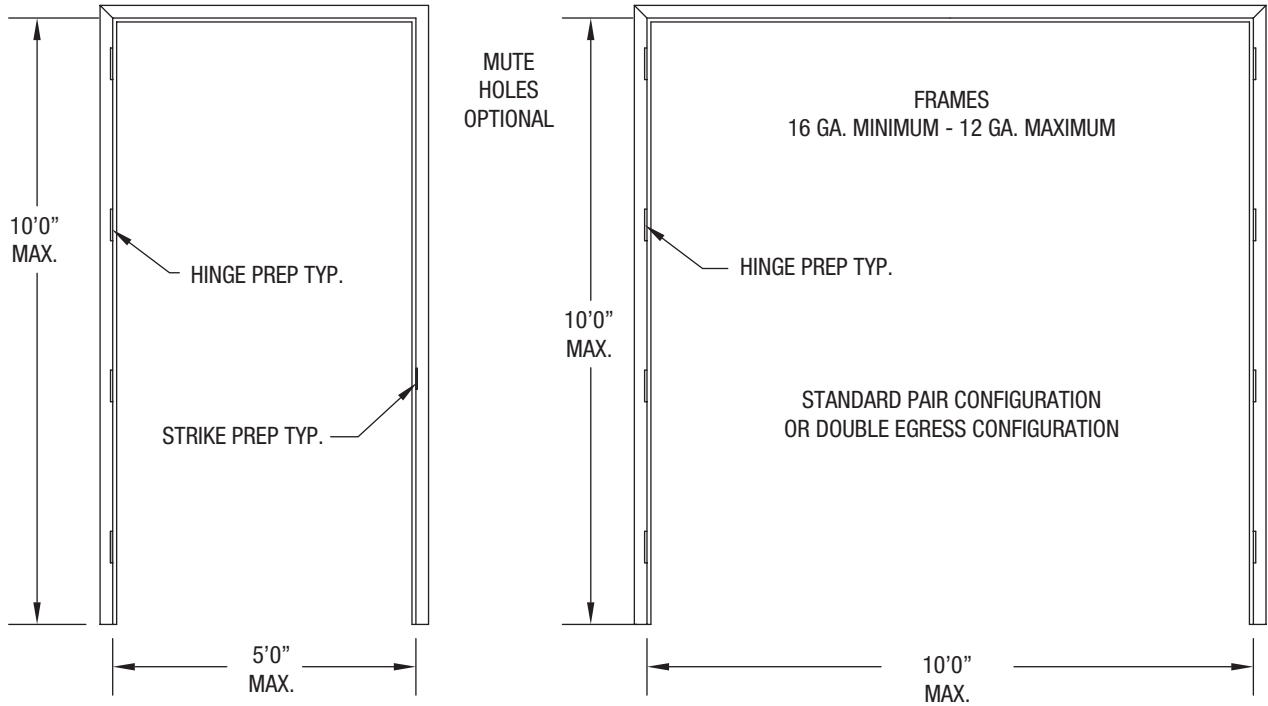
MASONRY/DRYWALL	SINGLE: 5'0" (1524) W X 12'0" (3658) H PAIRS: 10'0" (3048)W X 12'0" (3658) H
WALL CONSTRUCTION	MINIMUM 90 MIN. RATED DRYWALL OR MASONRY
FRAME CORNER CONSTRUCTION	FACE WELD, CONTINUOUS WELD, FIELD SPLICE INSTALLED IN ACCORDANCE WITH RECOMMENDED PRACTICES PRESENTED IN NFPA 80 AND NAAMM STANDARD HMMMA 850-0.
TRANSOM PANEL	TO BE SUPPLIED WITH THE FRAME BY THE FRAME MANUFACTURER. TRANSOM PANEL MAX SIZE SINGLE 4'0" H X 5'0" W, PAIRS 4'0" H X 10' W.
TRANSOM LITE	TO BE GLAZED WITH GLAZING MATERIAL. UL CLASSIFIED FOR USE IN FIRE DOOR FRAMES WITH LITES. THE MAXIMUM EXPOSED AREA PER INDIVIDUAL LITE, MAXIMUM EXPOSED AREAS, THE MINIMUM GROOVE DEPTH, GLAZING COMPOUND AND THE RATING SHALL BE AS INDICATED IN THE INDIVIDUAL GLAZING MANUFACTURER'S CLASSIFICATIONS. THE TRANSOM LITE SHALL NOT EXCEED 4 FT. IN HEIGHT.
ANCHORS	ANY LISTED MASONRY TYPE OR WELD-IN DRYWALL TYPE ANCHORS MAY BE USED IN THIS FRAME (COMPRESSION ANCHORS NOT ALLOWED).
MATERIAL	14 GA. (1.7) MIN. 12 GA. (2.4) MAX. COLD ROLLED OR GALVANIZED STEEL
HARDWARE RESTRICTIONS - FOR DOOR LEAVES GREATER THAN 4' WIDE OR 10' TALL	
HINGES	FULL MORTISE HINGES MEETING REQUIREMENTS OF BHMA A156.1 AMERICAN NATIONAL STANDARD FOR BUTTS AND HINGES FOR STANDARD WEIGHT, GRADE 1 HINGES. FIVE HINGES REQUIRED FOR DOORS OVER 10' TALL.
ACTIVE DOOR	SINGLE POINT, MORTISE TYPE ONLY
INACTIVE DOOR	FLUSH OR SURFACE BOLTS, AUTOMATIC TYPE, MANUAL TYPE OR SELF-LATCHING WITH 3/4 IN. MINIMUM THROW AUXILIARY LATCHES FOR SINGLES GREATER THAN 4'0" WIDE AND PAIRS GREATER THAN 8'0" WIDE. UL LISTED AUXILIARY FIRE LATCH; MORTISE TYPE FUSIBLE LINK "POPPER" INSTALLED IN THE TOP OF THE ACTIVE LEAF AT THE LOCK STILE, ENGAGING INTO FRAME HEAD RABBET. REINFORCE PER TEMPLATE.
CLOSER	12 GAUGE REINFORCEMENT REQUIRED
FLUSH BOLT	7 GA. (4.5) MIN. REINFORCEMENT REQUIRED

90 MINUTE MAXIMUM RATING 3 SIDED FRAMES DOUBLE EGRESS ALLOWED INTERTEK (WARNOCK HERSEY) LISTING ONLY	
MAXIMUM FRAME SIZES	
MASONRY/DRYWALL	SINGLE: 5'0" (1524) W X 10'0" (3048) H PAIRS: 10'0" (3048)W X 10'0" (3048) H
WALL CONSTRUCTION	MINIMUM 90 MIN. RATED DRYWALL OR MASONRY
FRAME CORNER CONSTRUCTION	FACE WELD, CONTINUOUS WELD, FIELD SPLICE INSTALLED IN ACCORDANCE WITH RECOMMENDED PRACTICES PRESENTED IN NFPA 80 AND NAAMM STANDARD HMMA 850-0.
ANCHORS	ANY LISTED MASONRY TYPE OR WELD IN DRYWALL TYPE ANCHORS MAY BE USED IN THIS FRAME (COMPRESSION ANCHORS NOT ALLOWED)
MATERIAL	16 GA. (1.4) MIN. 12 GA. (2.4) MAX. COLD ROLLED OR GALVANIZED STEEL
HARDWARE RESTRICTIONS - ANY LABEL APPROVED HARDWARE MAY BE USED THAT IS RATED FOR USE UP TO 10' IN HEIGHT	

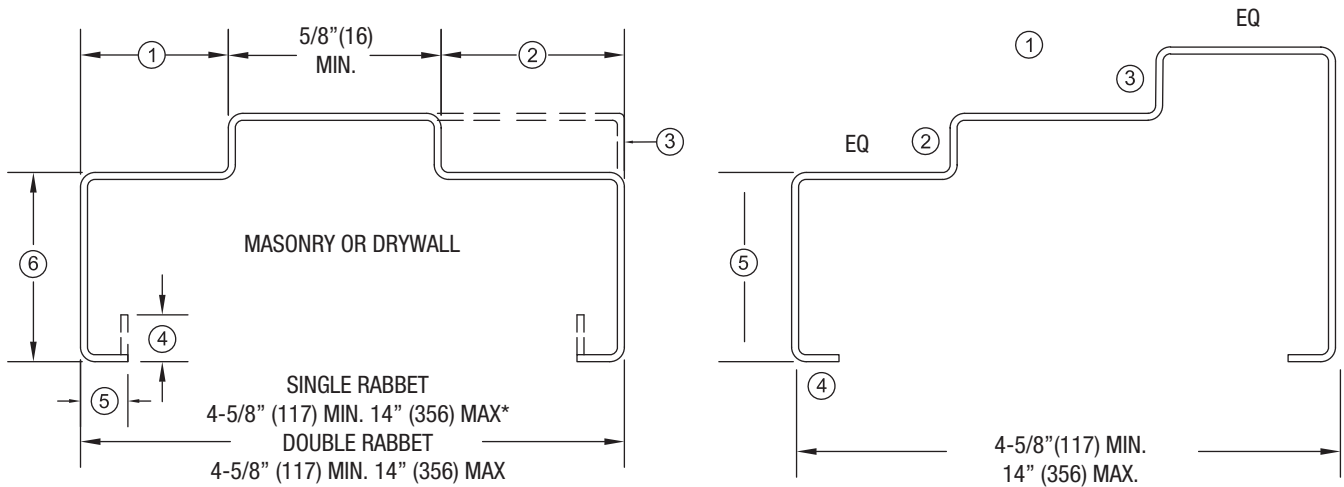
90 MINUTE MAXIMUM RATING 5'0" X 10'0" SINGLES 10'0" X 10'0" PAIRS INTERTEK (WARNOCK HERSEY) LISTING ONLY	
DOOR TYPE	747 OR 747 (450° TEMP RISE)
DOOR GAUGE	16 GA. (1.4) OR 14 GA. (1.9) ON 747 DOOR, 16 GA. (1.4) ONLY ON 747 TEMP. RISE DOOR
FACE TYPE	FLUSH OR GLAZED USING ANY WH CLASSIFIED GLAZING MATERIAL. CLASSIFIED FOR USE IN HOLLOW METAL FIRE DOORS.
RIB GAUGE	22 GA. (.75) OR 20 GA. (.9) ON 747 DOOR, 22 GA. (.95) ONLY ON 747 TEMP. RISE DOOR
RIB SPACING	6" ON CENTER MAX.
HINGE CHANNEL	12 GA. (2.6)
LOCK CHANNEL	14 GA. (1.9)
EDGE WELDING	S, N, OR T
END CHANNEL	16 GA. (1.4)
HARDWARE - ANY LABEL APPROVED HARDWARE MAY BE USED THAT IS RATED FOR USE UP TO 10' IN HEIGHT	

February, 2015

**90 MINUTE MAXIMUM RATING
3 SIDED FRAMES
DOUBLE EGRESS ALLOWED
INTERTEK (WARNOCK HERSEY) LISTING ONLY**



NOTE: 10'0" X 10'0" DOUBLE EGRESS FRAMES CAN ONLY BE LABELED TO 20 MINUTE MAXIMUM RATING. 8'0" X 10'0" MAXIMUM AT RATINGS ABOVE 20 MINUTE.



GENERAL NOTES:

- ① TO SUIT DOOR THICKNESS
- ② VARIES
- ③ PROFILE VARIABLE
- ④ 3/8" (10) MIN.
- ⑤ 3/4" (19) MAX.*
- ⑤ 3/8" (10) MIN.
- ⑤ 3/4" (19) MAX.
- ⑥ 1-1/4" (32) MIN.
- ⑥ 4" (102) MAX. JAMB
- ⑥ 4" (102) MAX. HEAD

GENERAL NOTES:

- ① TO SUIT DOOR THICKNESS
- ② PROFILE VARIABLE
- ③ PROFILE VARIABLE
- ④ 3/8" (10) MIN.
- ⑤ 1-3/8" (35) MIN.
- ⑤ 4" (102) MAX.

* LARGER THAN 3/8" MAY REQUIRE #5 DIMENSION TO INCREASE

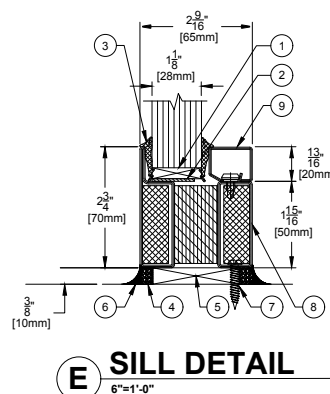
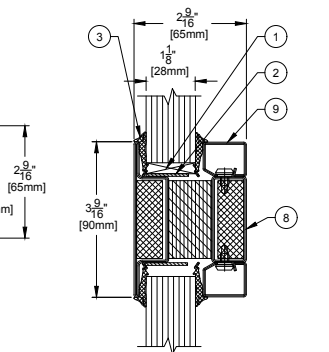
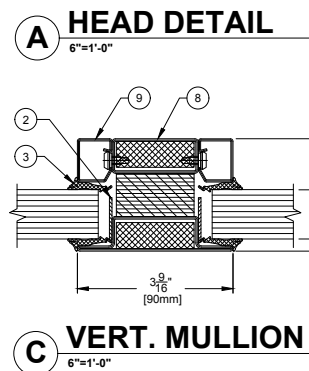
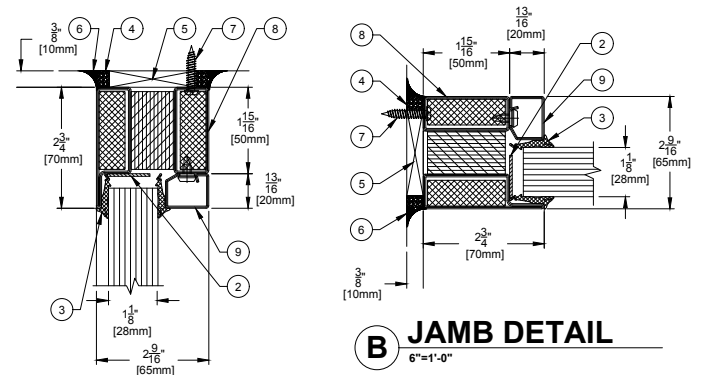
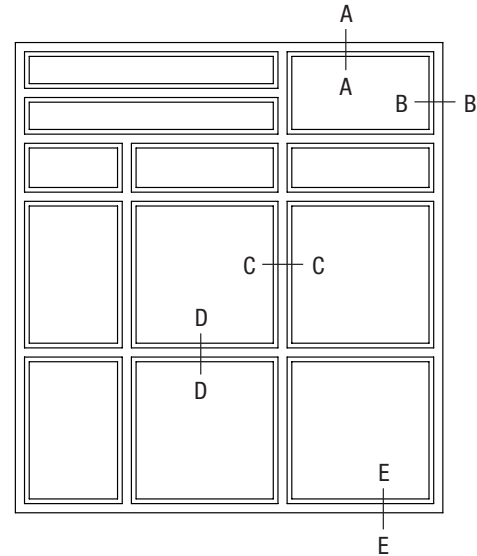
September, 2017

60 MINUTE MAXIMUM RATING FIRE RESISTIVE E119 FRAME ASSEMBLY

NOTES:

- SETTING BLOCK (SILL ONLY) BY OTHERS
ALTERNATES BY OTHERS:
A. HARDWOOD
B. CALCIUM SILICATE
C. NEOPRENE (90 DUROMETER)
- CONTINUOUS INTUMESCENT TAPE FURNISHED. E119 FRAME INSTALLED BY OTHERS
- *GLAZING GASKET (BOTH SIDES) FURNISHED. E119 FRAME INSTALLED BY OTHERS
- FIRE RATED SEAL IN SHIM SPACE BY OTHERS. ACCEPTABLE ALTERNATIVES: WELL PACKED ROCKWOOL, CONTINUOUS INTUMESCENT CAULKING, OR CONTINUOUS INTUMESCENT TAPE.
- SHIMS BY OTHERS. ACCEPTABLE ALTERNATES: HARDWOOD, CALCIUM SILICATE, OR CEDAR SHINGLES.
- FINISH SEALANT BY OTHERS
- ANCHOR SCREWS BY OTHERS. PLACE 20" O.C. MAX. HEAD DIA. 3/8"; MAX. SHANK DIA. 1/4".
- FIRE RATED E119 FRAME.
- STEEL GLAZING BEAD. INSTALL IN FIELD OVER GLAZING BEAD SCREW.
- GLASS: VETROTECH CONTRAFLAM 60.
- MAXIMUM VISIBLE GLASS 94-13/16" X 94-13/16" NOT TO EXCEED 3283 SQ. IN.
- MAXIMUM FRAME SIZE NOT LIMITED. ASSEMBLY IS CONSIDERED A WALL.
- PRODUCT IS NOT LOAD BEARING. ADDITIONAL BUILDING DESIGN FEATURES MAY BE REQUIRED FOR UNITS OVER 12' TALL.
- CENTER GLAZED FRAMES ALSO AVAILABLE.

*NOTE: DUE TO GLASS TOLERANCE, SEALANT MAY BE NEEDED TO HOLD ON VINYL GLAZING GASKET (PROVIDED AND INSTALLED BY OTHERS).



September, 2017

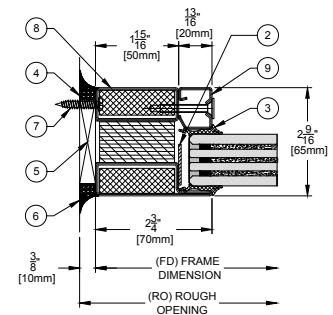
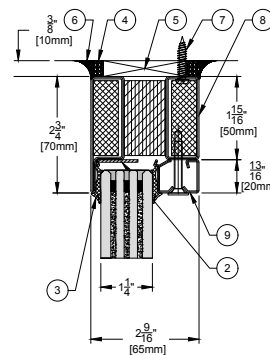
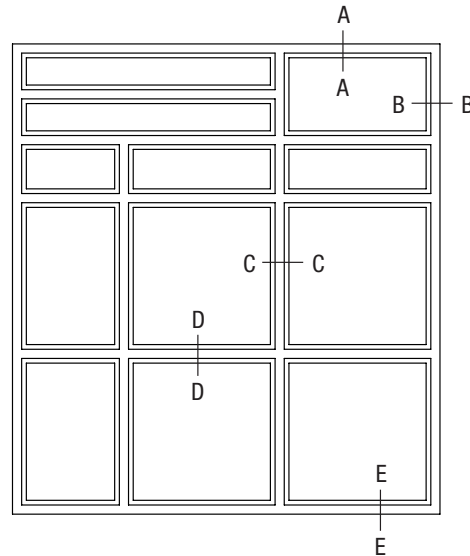
September, 2017

**60 MINUTE MAXIMUM RATING
FIRE RESISTIVE E119 FRAME ASSEMBLY**

NOTES:

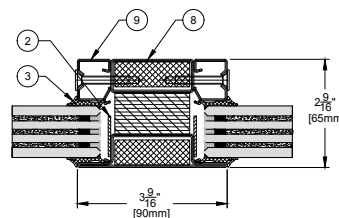
1. SETTING BLOCK (SILL ONLY) BY OTHERS
ALTERNATES BY OTHERS:
A. HARDWOOD
B. CALCIUM SILICATE
C. NEOPRENE (90 DUROMETER)
2. CONTINUOUS INTUMESCENT TAPE FURNISHED. E119 FRAME
INSTALLED BY OTHERS
3. *GLAZING GASKET (BOTH SIDES) FURNISHED. E119 FRAME
INSTALLED BY OTHERS
4. FIRE RATED SEAL IN SHIM SPACE BY OTHERS. ACCEPTABLE
ALTERNATIVES: WELL PACKED ROCKWOOL, CONTINUOUS
INTUMESCENT CAULKING, OR CONTINUOUS INTUMESCENT TAPE.
5. SHIMS BY OTHERS. ACCEPTABLE ALTERNATES: HARDWOOD,
CALCIUM SILICATE, OR CEDAR SHINGLES.
6. FINISH SEALANT BY OTHERS
7. ANCHOR SCREWS BY OTHERS. PLACE 20" O.C. MAX. HEAD DIA.
3/8"; MAX. SHANK DIA. 1/4".
8. FIRE RATED E119 FRAME.
9. STEEL GLAZING BEAD. INSTALL WITH SCREWS FURNISHED.
10. GLASS: VETROTECH CONTRAFILAM STRUCTURE 60.
11. MAXIMUM VISIBLE GLASS 138-1/2" X 138-1/2"
NOT TO EXCEED 7574 SQ. IN.
12. MAXIMUM FRAME SIZE NOT LIMITED. ASSEMBLY IS CONSIDERED
A WALL.
13. PRODUCT IS NOT LOAD BEARING. ADDITIONAL BUILDING DESIGN
FEATURES MAY BE REQUIRED FOR UNITS OVER 12' TALL.
14. CENTER GLAZED FRAMES NOT AVAILABLE.

*NOTE: DUE TO GLASS TOLERANCE, SEALANT MAY BE NEEDED TO
HOLD ON VINYL GLAZING GASKET (PROVIDED AND INSTALLED
BY OTHERS).

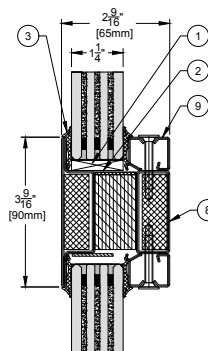


B JAMB DETAIL
6"=1'-0"

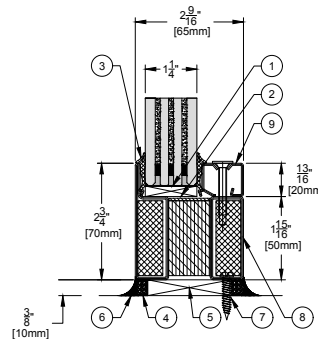
A HEAD DETAIL
6"=1'-0"



C VERT. MULLION
6"=1'-0"



D HORIZ. MULLION
6"=1'-0"



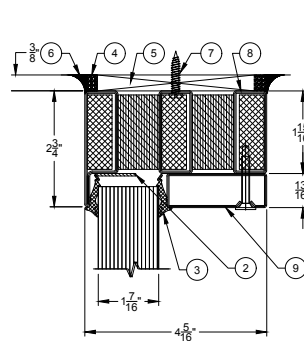
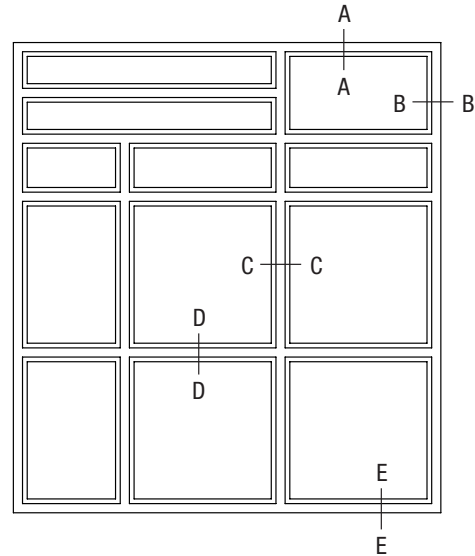
E SILL DETAIL
6"=1'-0"

**90 MINUTE MAXIMUM RATING
FIRE RESISTIVE E119 FRAME ASSEMBLY**

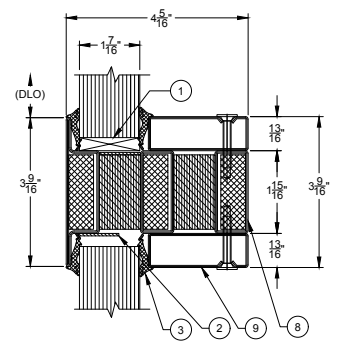
NOTES:

1. SETTING BLOCK (SILL ONLY) BY OTHERS
ALTERNATES BY OTHERS:
A. HARDWOOD
B. CALCIUM SILICATE
C. NEOPRENE (90 DUROMETER)
2. CONTINUOUS INTUMESCENT TAPE FURNISHED. E119 FRAME
INSTALLED BY OTHERS
3. *GLAZING GASKET (BOTH SIDES) FURNISHED. E119 FRAME
INSTALLED BY OTHERS
4. FIRE RATED SEAL IN SHIM SPACE BY OTHERS. ACCEPTABLE
ALTERNATIVES: WELL PACKED ROCKWOOL, CONTINUOUS
INTUMESCENT CAULKING, OR CONTINUOUS INTUMESCENT TAPE.
5. SHIMS BY OTHERS. ACCEPTABLE ALTERNATES: HARDWOOD,
CALCIUM SILICATE, OR CEDAR SHINGLES.
6. FINISH SEALANT BY OTHERS
7. ANCHOR SCREWS BY OTHERS. PLACE 20" O.C. MAX. HEAD DIA.
3/8"; MAX. SHANK DIA. 1/4".
8. FIRE RATED E119 FRAME.
9. STEEL GLAZING BEAD. INSTALL IN FIELD WITH SCREWS FURNISHED.
10. GLASS: VETROTECH CONTRAFLAM 90.
11. MAXIMUM VISIBLE GLASS 94-13/16" X 94-13/16"
NOT TO EXCEED 4435 SQ. IN.
12. MAXIMUM FRAME SIZE NOT LIMITED. ASSEMBLY IS
CONSIDERED A WALL.
13. PRODUCT IS NOT LOAD BEARING. ADDITIONAL BUILDING DESIGN
FEATURES MAY BE REQUIRED FOR UNITS OVER 12' TALL.
14. CENTER GLAZED FRAMES ALSO AVAILABLE.

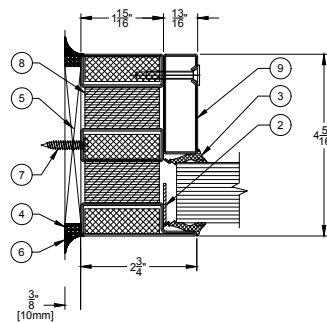
*NOTE: DUE TO GLASS TOLERANCE, SEALANT MAY BE NEEDED TO
HOLD ON VINYL GLAZING GASKET (PROVIDED AND INSTALLED
BY OTHERS).



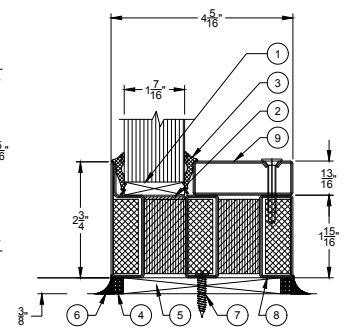
A HEAD DETAIL
6"=1'-0"



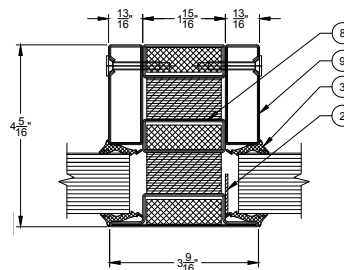
B HORIZ. MULLION
6"=1'-0"



C JAMB DETAIL
6"=1'-0"



D SILL DETAIL
6"=1'-0"



E VERT. MULLION
6"=1'-0"

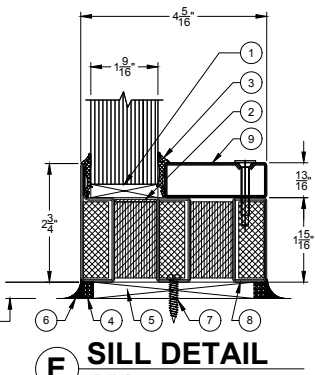
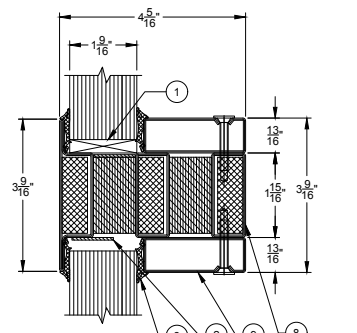
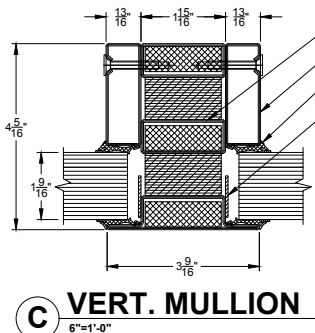
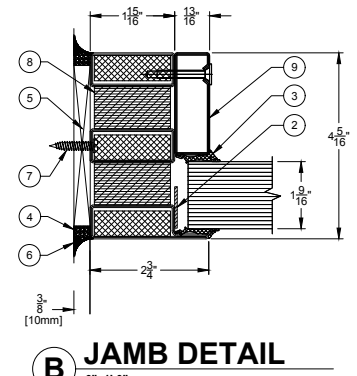
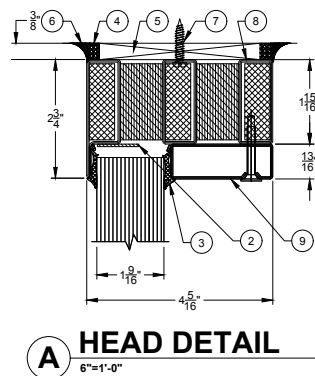
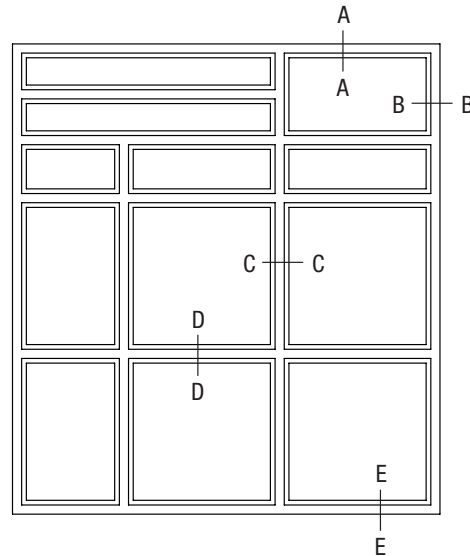
September, 2017

**120 MINUTE MAXIMUM RATING
FIRE RESISTIVE E119 FRAME ASSEMBLY**

NOTES:

1. SETTING BLOCK (SILL ONLY) BY OTHERS
ALTERNATES BY OTHERS:
A. HARDWOOD
B. CALCIUM SILICATE
C. NEOPRENE (90 DUROMETER)
2. CONTINUOUS INTUMESCENT TAPE FURNISHED. E119 FRAME INSTALLED BY OTHERS.
3. *GLAZING GASKET (BOTH SIDES) FURNISHED. E119 FRAME INSTALLED BY OTHERS.
4. FIRE RATED SEAL IN SHIM SPACE BY OTHERS. ACCEPTABLE ALTERNATIVES: WELL PACKED ROCKWOOL, CONTINUOUS INTUMESCENT CAULKING, OR CONTINUOUS INTUMESCENT TAPE.
5. SHIMS BY OTHERS. ACCEPTABLE ALTERNATES: HARDWOOD, CALCIUM SILICATE, OR CEDAR SHINGLES.
6. FINISH SEALANT BY OTHERS
7. ANCHOR SCREWS BY OTHERS. PLACE 20" O.C. MAX. HEAD DIA. 3/8"; MAX. SHANK DIA. 1/4".
8. FIRE RATED E119 FRAME.
9. STEEL GLAZING BEAD. INSTALL IN FIELD WITH SCREWS FURNISHED.
10. GLASS: VETROTECH CONTRAFILAM 120.
11. MAXIMUM VISIBLE GLASS 94-5/8" X 94-5/8" NOT TO EXCEED 4435 SQ. IN.
12. MAXIMUM FRAME SIZE NOT LIMITED. ASSEMBLY IS CONSIDERED A WALL.
13. PRODUCT IS NOT LOAD BEARING. ADDITIONAL BUILDING DESIGN FEATURES MAY BE REQUIRED FOR UNITS OVER 12' TALL.
14. CENTER GLAZED FRAMES AVAILABLE.

*NOTE: DUE TO GLASS TOLERANCE, SEALANT MAY BE NEEDED TO HOLD ON VINYL GLAZING GASKET (PROVIDED AND INSTALLED BY OTHERS).

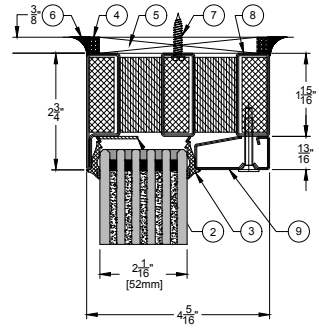
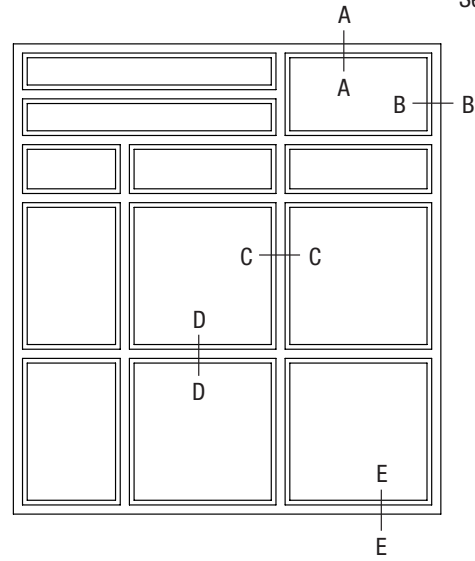


**120 MINUTE MAXIMUM RATING
FIRE RESISTIVE E119 FRAME ASSEMBLY**

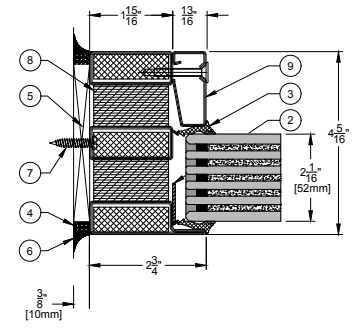
NOTES:

1. SETTING BLOCK (SILL ONLY) BY OTHERS
ALTERNATES BY OTHERS:
A. HARDWOOD
B. CALCIUM SILICATE
C. NEOPRENE (90 DUROMETER)
2. CONTINUOUS INTUMESCENT TAPE FURNISHED. E119 FRAME INSTALLED BY OTHERS.
3. *GLAZING GASKET (BOTH SIDES) FURNISHED. E119 FRAME INSTALLED BY OTHERS.
4. FIRE RATED SEAL IN SHIM SPACE BY OTHERS. ACCEPTABLE ALTERNATIVES: WELL PACKED ROCKWOOL, CONTINUOUS INTUMESCENT CAULKING, OR CONTINUOUS INTUMESCENT TAPE.
5. SHIMS BY OTHERS. ACCEPTABLE ALTERNATES: HARDWOOD, CALCIUM SILICATE, OR CEDAR SHIMBLES.
6. FINISH SEALANT BY OTHERS
7. ANCHOR SCREWS BY OTHERS. PLACE 20" O.C. MAX. HEAD DIA. 3/8"; MAX. SHANK DIA. 1/4".
8. FIRE RATED E119 FRAME.
9. STEEL GLAZING BEAD. INSTALL IN FIELD WITH SCREWS FURNISHED.
10. GLASS: VETROTECH CONTRAFLAM STRUCTURE 120.
11. MAXIMUM VISIBLE GLASS 126" X 126"
NOT TO EXCEED 4536 SQ. IN.
12. MAXIMUM FRAME SIZE NOT LIMITED. ASSEMBLY IS CONSIDERED A WALL.
13. PRODUCT IS NOT LOAD BEARING. ADDITIONAL BUILDING DESIGN FEATURES MAY BE REQUIRED FOR UNITS OVER 12' TALL.
14. CENTER GLAZED FRAMES AVAILABLE.

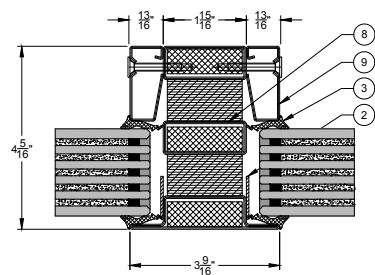
*NOTE: DUE TO GLASS TOLERANCE, SEALANT MAY BE NEEDED TO HOLD ON VINYL GLAZING GASKET (PROVIDED AND INSTALLED BY OTHERS).



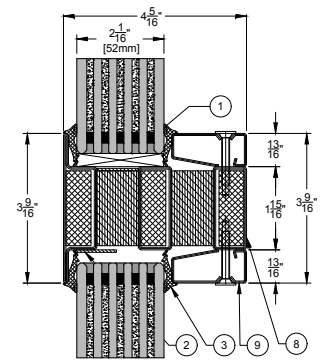
A HEAD DETAIL
6"=1'-0"



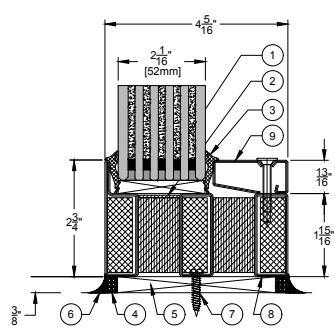
B JAMB DETAIL
6"=1'-0"



C VERT. MULLION
6"=1'-0"



D HORIZ. MULLION
6"=1'-0"



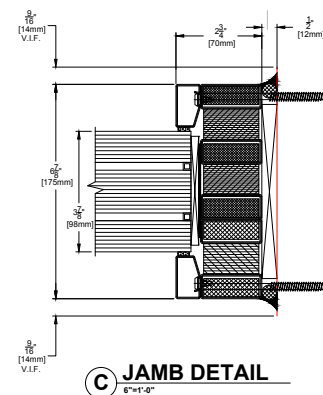
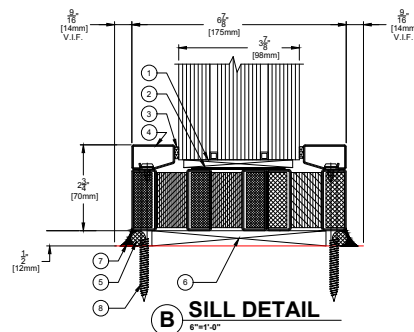
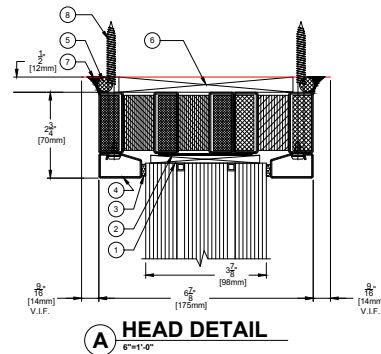
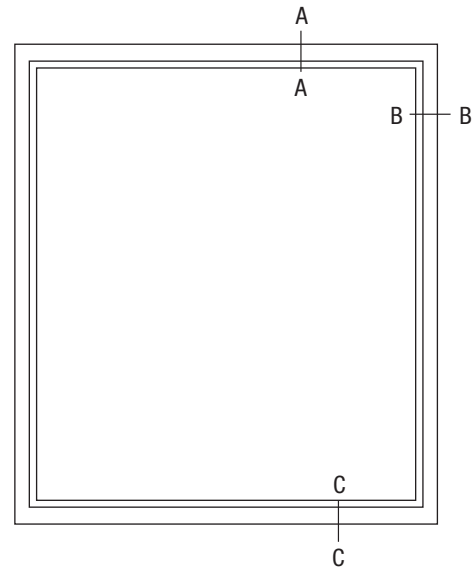
E SILL DETAIL
6"=1'-0"

September, 2017

180 MINUTE MAXIMUM RATING FIRE RESISTIVE E119 FRAME ASSEMBLY

NOTES:

1. SETTING BLOCK (SILL ONLY) ALTERNATES BY OTHERS:
A. CALCIUM SILICATE
2. CONTINUOUS FLEXPAN 200 AROUND PERIMETER (3.750" X .188")
FURNISHED WITH E119 FRAME.
3. GLAZING TAPE (.125" X .750")
4. GLAZING SNAP ON BEADS (1.38" X .750" X .094")
5. FIRE RATED SEAL ALTERNATES BY OTHERS:
A. WELL PACKED ROCKWOOL
6. SHIM AS REQUIRED
7. FINISH SEALANT BY OTHERS
8. ANCHOR SCREWS SUITABLE FOR GROUT FILLED CMU BY OTHERS
(TYPE AND SIZE TBD). OFFSET ACCESS HOLE FROM BEAD SCREW
LOCATIONS AS NECESSARY
9. GLASS: VETROTECH CONTRAFLAM 180
10. MAXIMUM VISIBLE GLASS 48" X 48"
NOT TO EXCEED 2304 SQ. IN.
11. MAXIMUM OVERSIZE **IS** LIMITED TO 52" X 52"

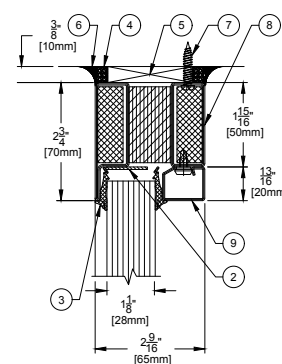
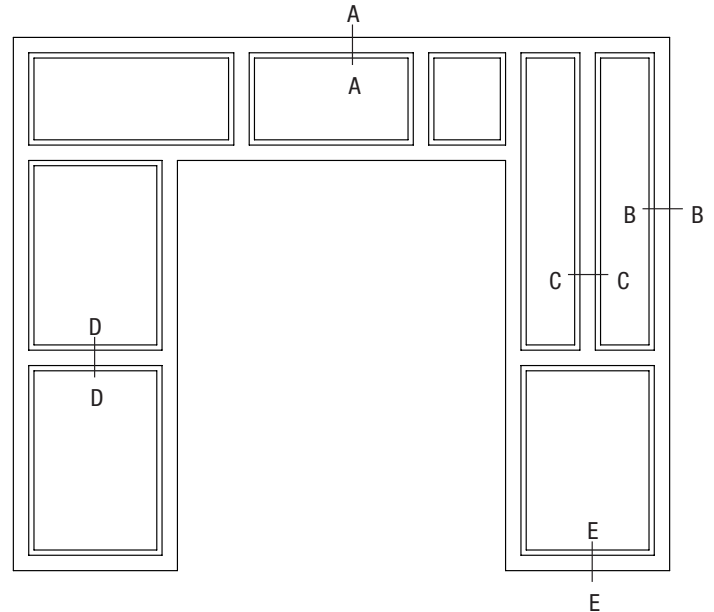


**60 MINUTE MAXIMUM RATING
FIRE RESISTIVE E119 FRAME ASSEMBLY**

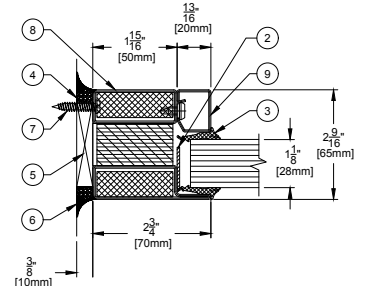
NOTES:

1. SETTING BLOCK (SILL ONLY) BY OTHERS
ALTERNATES BY OTHERS:
A. HARDWOOD
B. CALCIUM SILICATE
C. NEOPRENE (90 DUROMETER)
2. CONTINUOUS INTUMESCENT TAPE FURNISHED. E119 FRAME INSTALLED BY OTHERS.
3. *GLAZING GASKET (BOTH SIDES) FURNISHED. W/E1 FRAME INSTALLED BY OTHERS.
4. FIRE RATED SEAL IN SHIM SPACE BY OTHERS. ACCEPTABLE ALTERNATIVES: WELL PACKED ROCKWOOL, CONTINUOUS INTUMESCENT CAULKING, OR CONTINUOUS INTUMESCENT TAPE.
5. SHIMS BY OTHERS. ACCEPTABLE ALTERNATES: HARDWOOD, CALCIUM SILICATE, OR CEDAR SHINGLES.
6. FINISH SEALANT BY OTHERS
7. ANCHOR SCREWS BY OTHERS. PLACE 20" O.C. MAX. HEAD DIA. 3/8"; MAX. SHANK DIA. 1/4".
8. FIRE RATED E119 FRAME.
9. STEEL GLAZING BEAD. INSTALL IN FIELD OVER GLAZING BEAD SCREW.
10. GLASS: VETROTECH CONTRAFLAM 60.
11. MAXIMUM VISIBLE GLASS 94-13/16" X 94-13/16" NOT TO EXCEED 3283 SQ. IN.
12. MAXIMUM FRAME SIZE NOT LIMITED. ASSEMBLY IS CONSIDERED A WALL.
13. PRODUCT IS NOT LOAD BEARING. ADDITIONAL BUILDING DESIGN FEATURES MAY BE REQUIRED FOR UNITS OVER 12' TALL.
14. CENTER GLAZED FRAMES AVAILABLE.

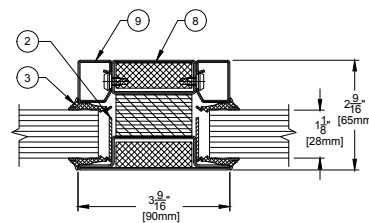
*NOTE: DUE TO GLASS TOLERANCE, SEALANT MAY BE NEEDED TO HOLD ON VINYL GLAZING GASKET (PROVIDED AND INSTALLED BY OTHERS).



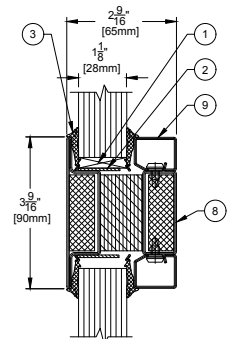
A HEAD DETAIL
6"=1'-0"



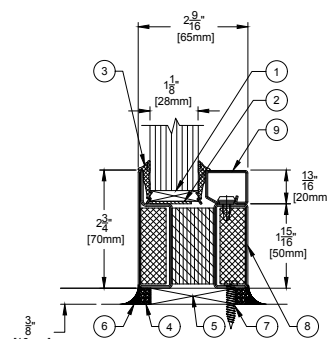
B JAMB DETAIL
6"=1'-0"



C VERT. MULLION
6"=1'-0"



D HORIZ. MULLION
6"=1'-0"



E SILL DETAIL
6"=1'-0"

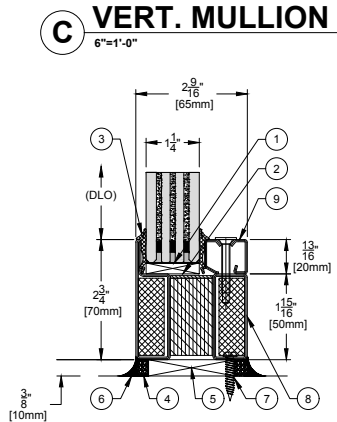
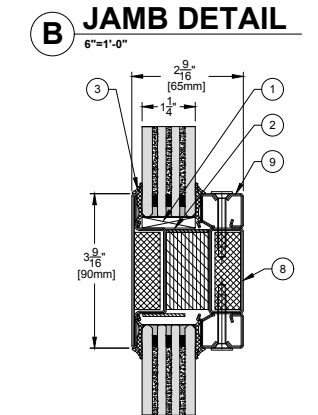
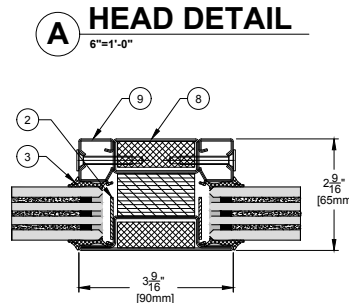
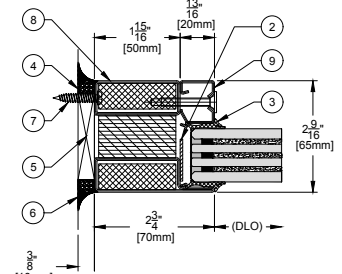
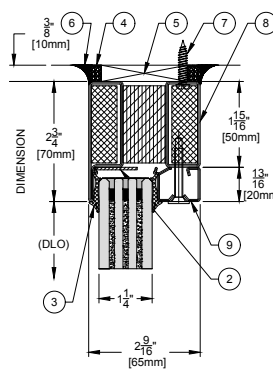
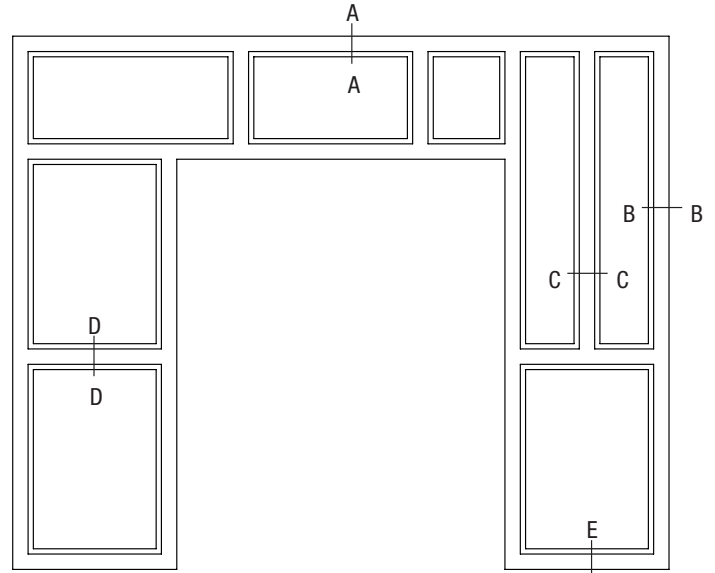
September, 2017

**60 MINUTE MAXIMUM RATING
FIRE RESISTIVE E119 FRAME ASSEMBLY**

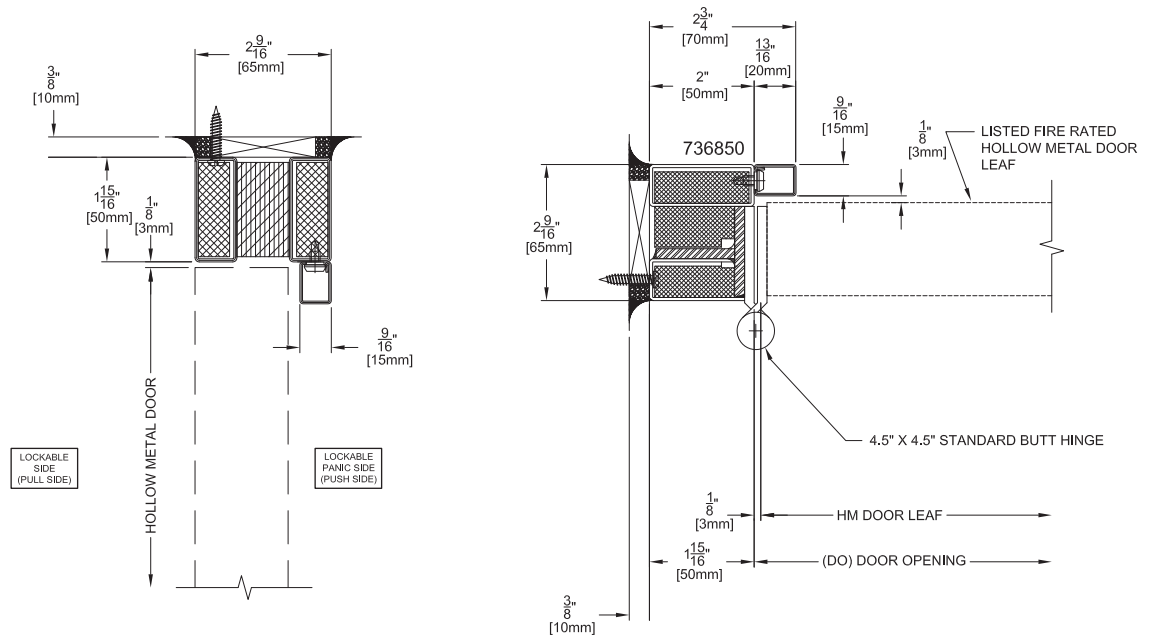
NOTES:

1. SETTING BLOCK (SILL ONLY) BY OTHERS
ALTERNATES BY OTHERS:
A. HARDWOOD
B. CALCIUM SILICATE
C. NEOPRENE (90 DUROMETER)
2. CONTINUOUS INTUMESCENT TAPE FURNISHED. E119 FRAME INSTALLED BY OTHERS.
3. *GLAZING GASKET (BOTH SIDES) FURNISHED. E119 FRAME INSTALLED BY OTHERS.
4. FIRE RATED SEAL IN SHIM SPACE BY OTHERS. ACCEPTABLE ALTERNATIVES: WELL PACKED ROCKWOOL, CONTINUOUS INTUMESCENT CAULKING, OR CONTINUOUS INTUMESCENT TAPE.
5. SHIMS BY OTHERS. ACCEPTABLE ALTERNATIVES: HARDWOOD, CALCIUM SILICATE, OR CEDAR SHINGLES.
6. FINISH SEALANT BY OTHERS
7. ANCHOR SCREWS BY OTHERS. PLACE 20" O.C. MAX. HEAD DIA. 3/8"; MAX. SHANK DIA. 1/4".
8. FIRE RATED E119 FRAME.
9. STEEL GLAZING BEAD. INSTALL IN FIELD WITH SCREWS FURNISHED.
10. GLASS: VETROTECH CONTRAFLAM STRUCTURE 60.
11. MAXIMUM VISIBLE GLASS 138-1/2" X 138-1/2"
NOT TO EXCEED 7574 SQ. IN.
12. MAXIMUM FRAME SIZE NOT LIMITED. ASSEMBLY IS CONSIDERED A WALL.
13. PRODUCT IS NOT LOAD BEARING. ADDITIONAL BUILDING DESIGN FEATURES MAY BE REQUIRED FOR UNITS OVER 12' TALL.
14. CENTER GLAZED FRAMES **NOT** AVAILABLE.

*NOTE: DUE TO GLASS TOLERANCE, SEALANT MAY BE NEEDED TO HOLD ON VINYL GLAZING GASKET (PROVIDED AND INSTALLED BY OTHERS).

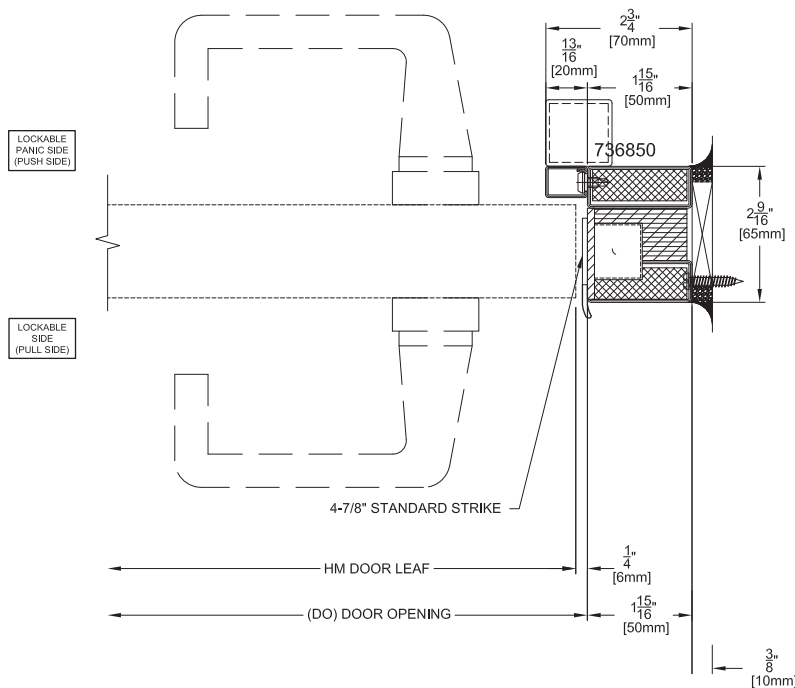


60 MINUTE MAXIMUM RATING
TYPICAL DOOR INSTALLATION DETAIL E119 FRAME WITH VETROTECH CONTRAFLAM 60



A DOOR HEADER DETAIL
SCALE: 6"=1'-0"

B DOOR JAMB DETAIL
6"=1'-0"



C DOOR JAMB DETAIL
6"=1'-0"

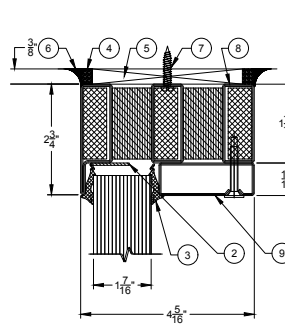
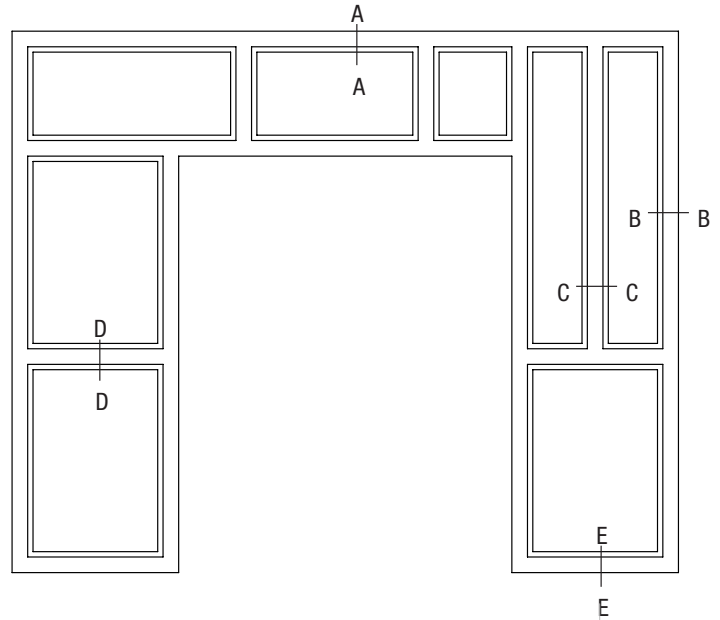
September, 2017

**90 MINUTE MAXIMUM RATING
FIRE RESISTIVE E119 FRAME ASSEMBLY**

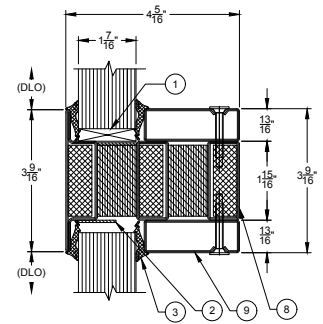
NOTES:

1. SETTING BLOCK (SILL ONLY) BY OTHERS
ALTERNATES BY OTHERS:
A. HARDWOOD
B. CALCIUM SILICATE
C. NEOPRENE (90 DUROMETER)
2. CONTINUOUS INTUMESCENT TAPE FURNISHED. E119 FRAME INSTALLED BY OTHERS
3. *GLAZING GASKET (BOTH SIDES) FURNISHED. E119 FRAME INSTALLED BY OTHERS
4. FIRE RATED SEAL IN SHIM SPACE BY OTHERS. ACCEPTABLE ALTERNATIVES: WELL PACKED ROCKWOOL, CONTINUOUS INTUMESCENT CAULKING, OR CONTINUOUS INTUMESCENT TAPE.
5. SHIMS BY OTHERS. ACCEPTABLE ALTERNATES: HARDWOOD, CALCIUM SILICATE, OR CEDAR SHINGLES.
6. FINISH SEALANT BY OTHERS
7. ANCHOR SCREWS BY OTHERS. PLACE 20" O.C. MAX. HEAD DIA. 3/8"; MAX. SHANK DIA. 1/4".
8. FIRE RATED E119 FRAME.
9. STEEL GLAZING BEAD. INSTALL IN FIELD WITH SCREWS FURNISHED.
10. GLASS: VETROTECH CONTRAFLAM 90.
11. MAXIMUM VISIBLE GLASS 94-13/16" X 94-13/16" NOT TO EXCEED 4435 SQ. IN.
12. MAXIMUM FRAME SIZE NOT LIMITED. ASSEMBLY IS CONSIDERED A WALL.
13. PRODUCT IS NOT LOAD BEARING. ADDITIONAL BUILDING DESIGN FEATURES MAY BE REQUIRED FOR UNITS OVER 12' TALL.
14. CENTER GLAZED FRAMES ALSO AVAILABLE.

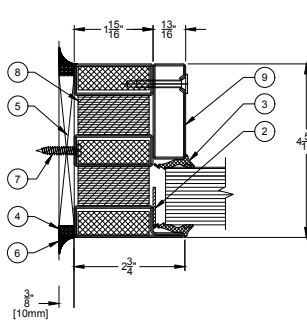
*NOTE: DUE TO GLASS TOLERANCE, SEALANT MAY BE NEEDED TO HOLD ON VINYL GLAZING GASKET (PROVIDED AND INSTALLED BY OTHERS).



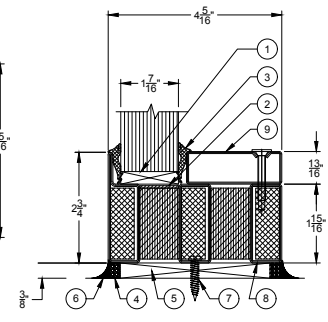
A HEAD DETAIL
6"=1'-0"



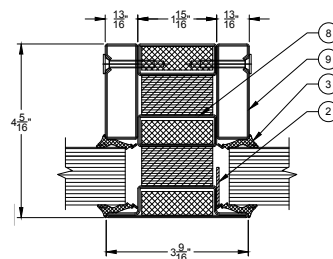
B HORIZ. MULLION
6"=1'-0"



C JAMB DETAIL
6"=1'-0"



D SILL DETAIL
6"=1'-0"



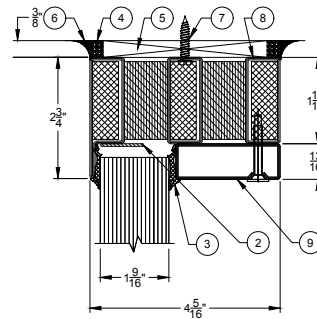
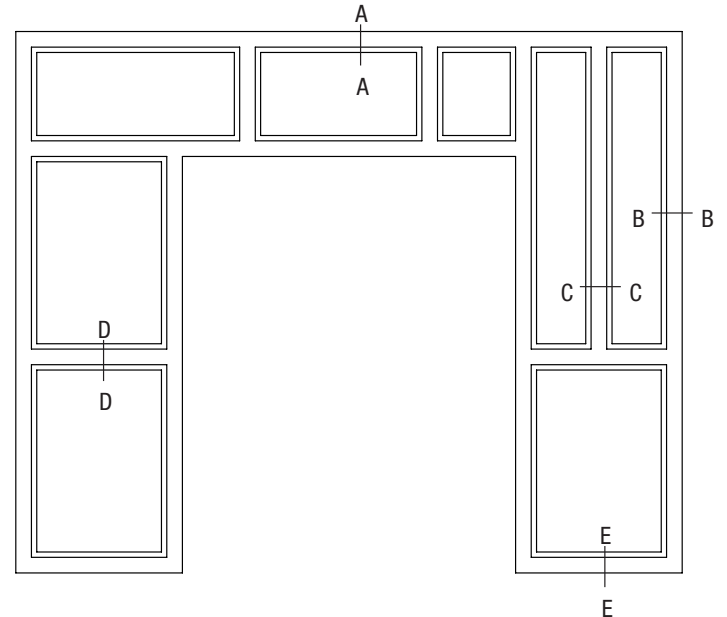
E VERT. MULLION
6"=1'-0"

120 MINUTE MAXIMUM RATING FIRE RESISTIVE E119 FRAME ASSEMBLY

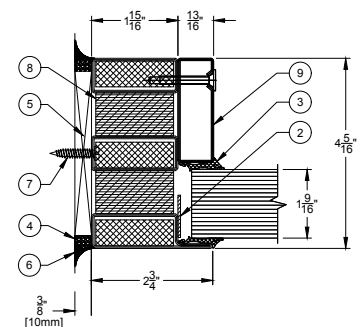
NOTES:

1. SETTING BLOCK (SILL ONLY) BY OTHERS
ALTERNATES BY OTHERS:
A. HARDWOOD
B. CALCIUM SILICATE
C. NEOPRENE (90 DUROMETER)
2. CONTINUOUS INTUMESCENT TAPE FURNISHED. E119 FRAME INSTALLED BY OTHERS
3. *GLAZING GASKET (BOTH SIDES) FURNISHED. E119 FRAME INSTALLED BY OTHERS
4. FIRE RATED SEAL IN SHIM SPACE BY OTHERS. ACCEPTABLE ALTERNATIVES: WELL PACKED ROCKWOOL, CONTINUOUS INTUMESCENT CAULKING, OR CONTINUOUS INTUMESCENT TAPE.
5. SHIMS BY OTHERS. ACCEPTABLE ALTERNATES: HARDWOOD, CALCIUM SILICATE, OR CEDAR SHINGLES.
6. FINISH SEALANT BY OTHERS
7. ANCHOR SCREWS BY OTHERS. PLACE 20" O.C. MAX. HEAD DIA. 3/8"; MAX. SHANK DIA. 1/4".
8. FIRE RATED E119 FRAME.
9. STEEL GLAZING BEAD. INSTALL IN FIELD WITH SCREWS FURNISHED.
10. GLASS: VETROTECH CONTRAFLAM 120.
11. MAXIMUM VISIBLE GLASS 94-5/8" X 94-5/8"
NOT TO EXCEED 4435 SQ. IN.
12. MAXIMUM FRAME SIZE NOT LIMITED. ASSEMBLY IS CONSIDERED A WALL.
13. PRODUCT IS NOT LOAD BEARING. ADDITIONAL BUILDING DESIGN FEATURES MAY BE REQUIRED FOR UNITS OVER 12' TALL.
14. CENTER GLAZED FRAMES ALSO AVAILABLE.

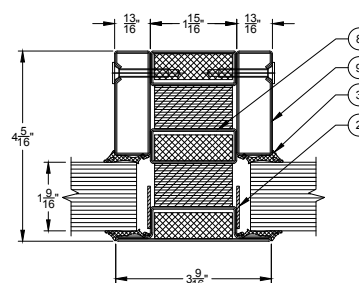
*NOTE: DUE TO GLASS TOLERANCE, SEALANT MAY BE NEEDED TO HOLD ON VINYL GLAZING GASKET (PROVIDED AND INSTALLED BY OTHERS).



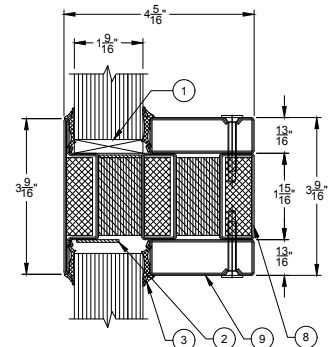
A HEAD DETAIL
6"=1'-0"



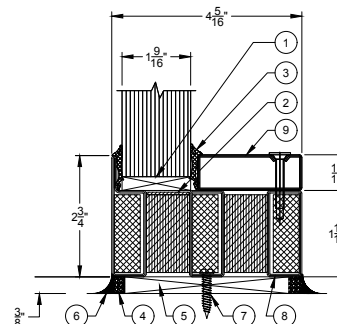
B JAMB DETAIL
6"=1'-0"



C VERT. MULLION
6"=1'-0"



D HORIZ. MULLION
6"=1'-0"



E SILL DETAIL
6"=1'-0"

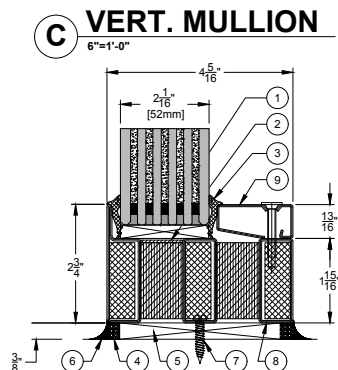
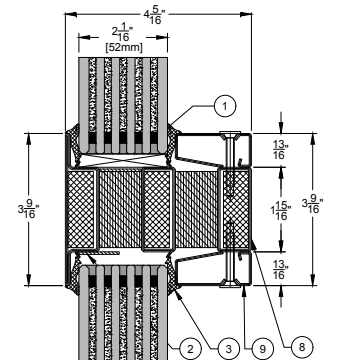
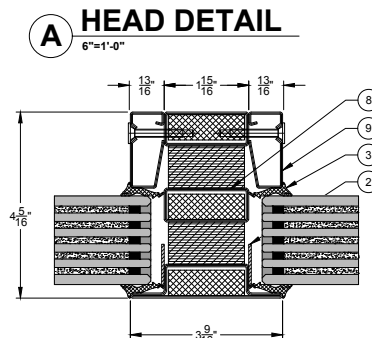
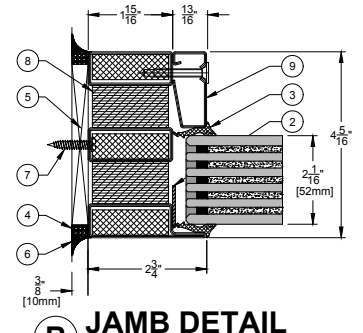
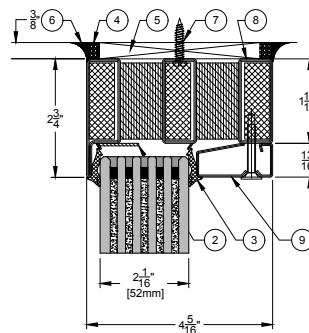
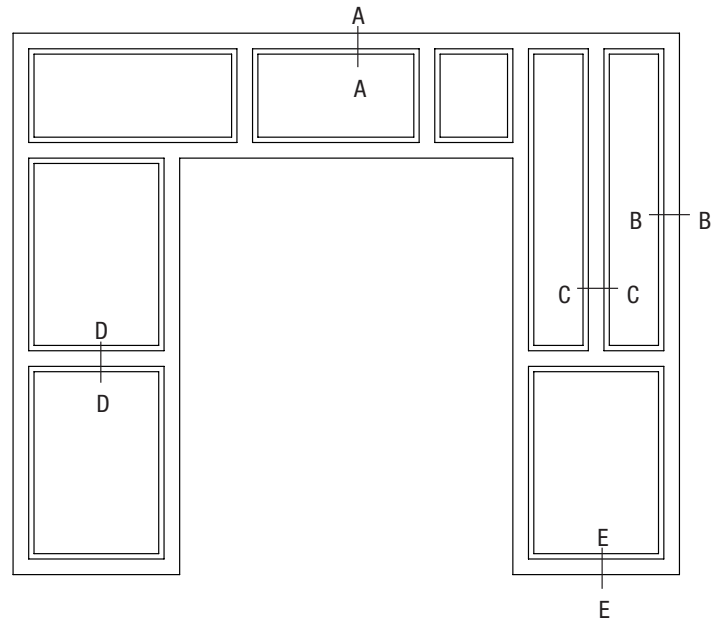
September, 2017

**120 MINUTE MAXIMUM RATING
FIRE RESISTIVE E119 FRAME ASSEMBLY**

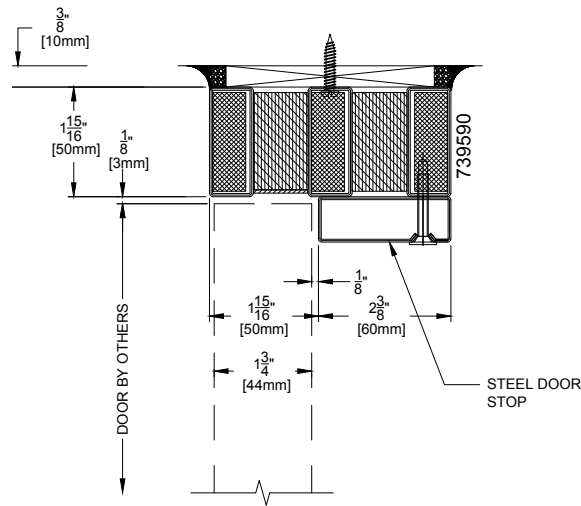
NOTES:

1. SETTING BLOCK (SILL ONLY) BY OTHERS
ALTERNATES BY OTHERS:
A. HARDWOOD
B. CALCIUM SILICATE
C. NEOPRENE (90 DUROMETER)
2. CONTINUOUS INTUMESCENT TAPE FURNISHED E119 FRAME
INSTALLED BY OTHERS
3. *GLAZING GASKET (BOTH SIDES) FURNISHED E119 FRAME
INSTALLED BY OTHERS
4. FIRE RATED SEAL IN SHIM SPACE BY OTHERS. ACCEPTABLE
ALTERNATIVES: WELL PACKED ROCKWOOL, CONTINUOUS
INTUMESCENT CAULKING, OR CONTINUOUS INTUMESCENT TAPE.
5. SHIMS BY OTHERS. ACCEPTABLE ALTERNATES: HARDWOOD,
CALCIUM SILICATE, OR CEDAR SHIMBLES.
6. FINISH SEALANT BY OTHERS
7. ANCHOR SCREWS BY OTHERS. PLACE 20" O.C. MAX. HEAD DIA.
3/8"; MAX. SHANK DIA. 1/4".
8. FIRE RATED E119 FRAME.
9. STEEL GLAZING BEAD. INSTALL IN FIELD WITH SCREWS FURNISHED.
10. GLASS: VETROTECH CONTRAFLAM STRUCTURE 120.
11. MAXIMUM VISIBLE GLASS 126" X 126"
NOT TO EXCEED 4536 SQ. IN.
12. MAXIMUM FRAME SIZE NOT LIMITED. ASSEMBLY IS
CONSIDERED A WALL.
13. PRODUCT IS NOT LOAD BEARING. ADDITIONAL BUILDING DESIGN
FEATURES MAY BE REQUIRED FOR UNITS OVER 12' TALL.
14. CENTER GLAZED FRAMES ALSO AVAILABLE.

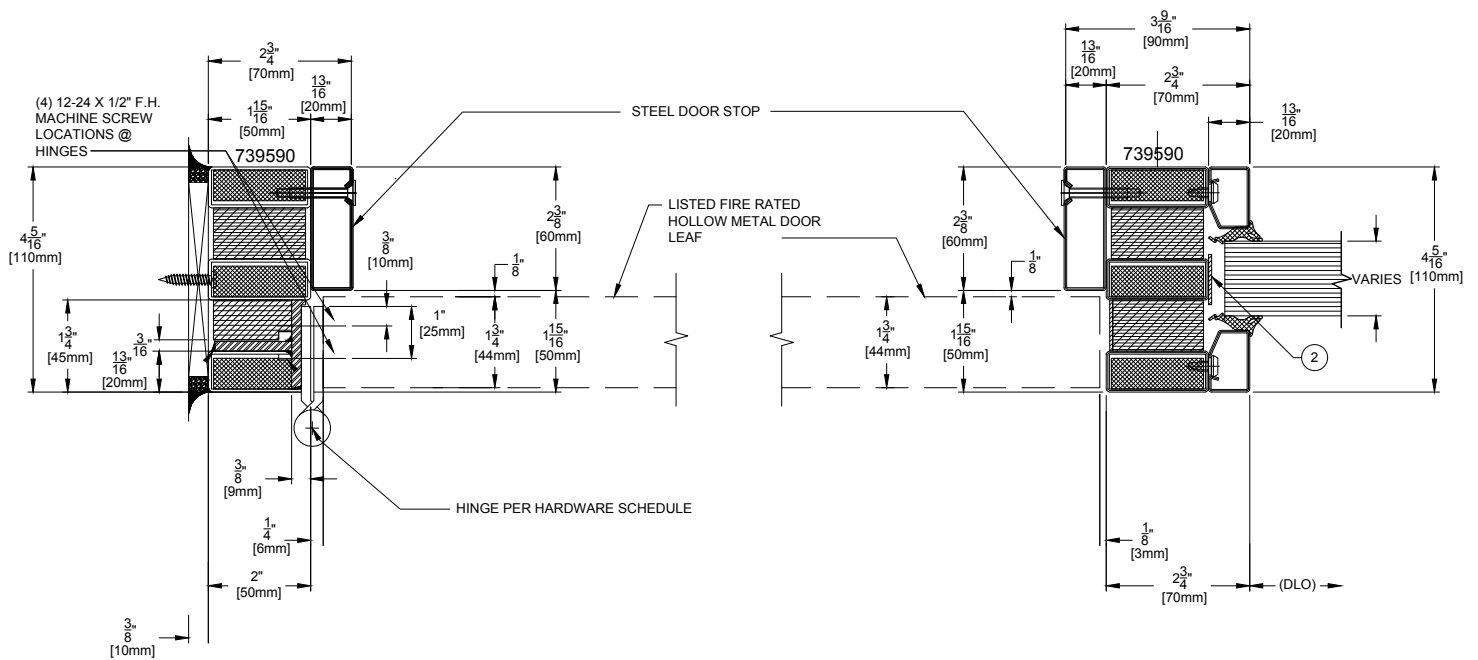
*NOTE: DUE TO GLASS TOLERANCE, SEALANT MAY BE NEEDED TO
HOLD ON VINYL GLAZING GASKET (PROVIDED AND INSTALLED
BY OTHERS).



90 and 120 MINUTE FIRE RATING
TYPICAL DOOR INSTALLATION DETAIL E119 FRAME WITH VETROTECH
CONTRAFLAM 90, CONTRAFLAM 120, OR CONTRAFLAM STRUCTURE 120



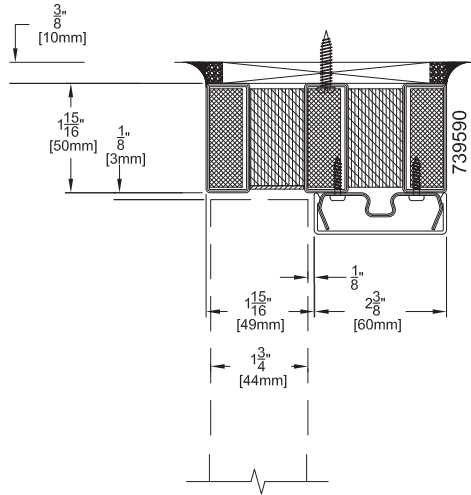
DOOR HEADER DETAIL



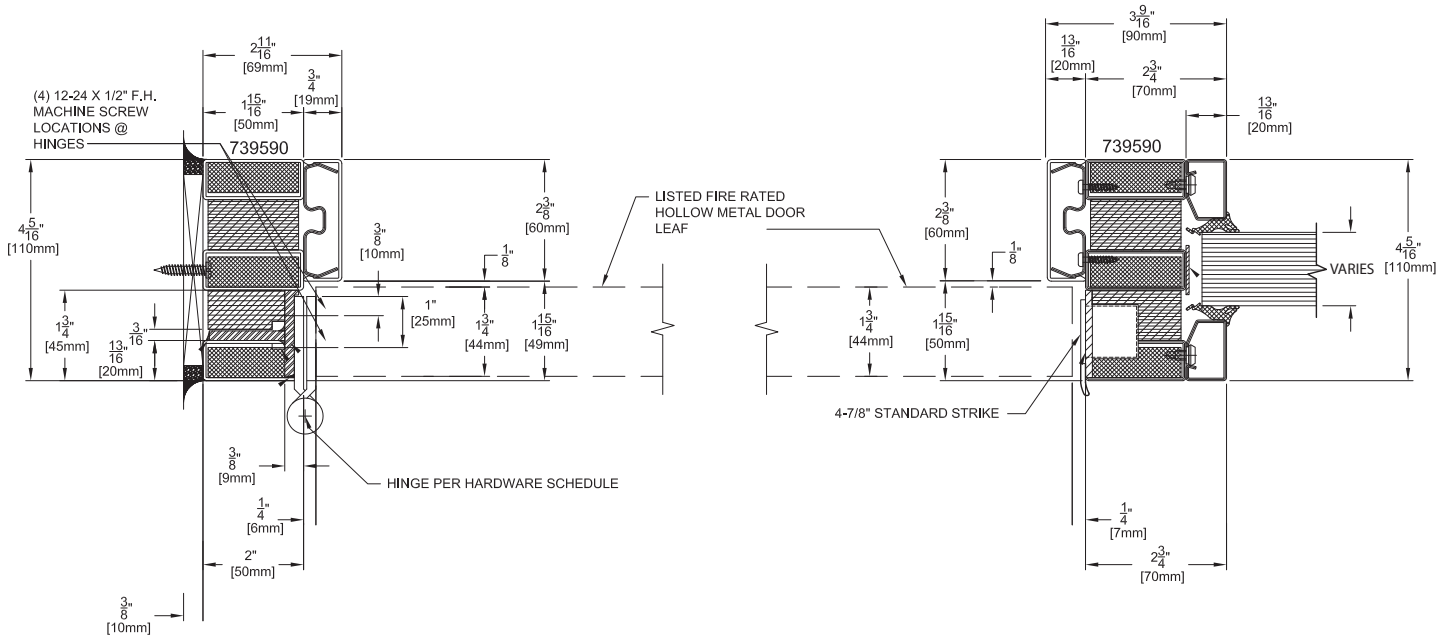
DOOR JAMB DETAIL

DOOR JAMB DETAIL

**90 and 120 MINUTE FIRE RATING
TYPICAL DOOR INSTALLATION DETAIL E119 FRAME WITH VETROTECH
CONTRAFLAM 90, CONTRAFLAM 120, OR CONTRAFLAM STRUCTURE 120**



DOOR HEADER DETAIL



DOOR JAMB DETAIL

DOOR JAMB DETAIL

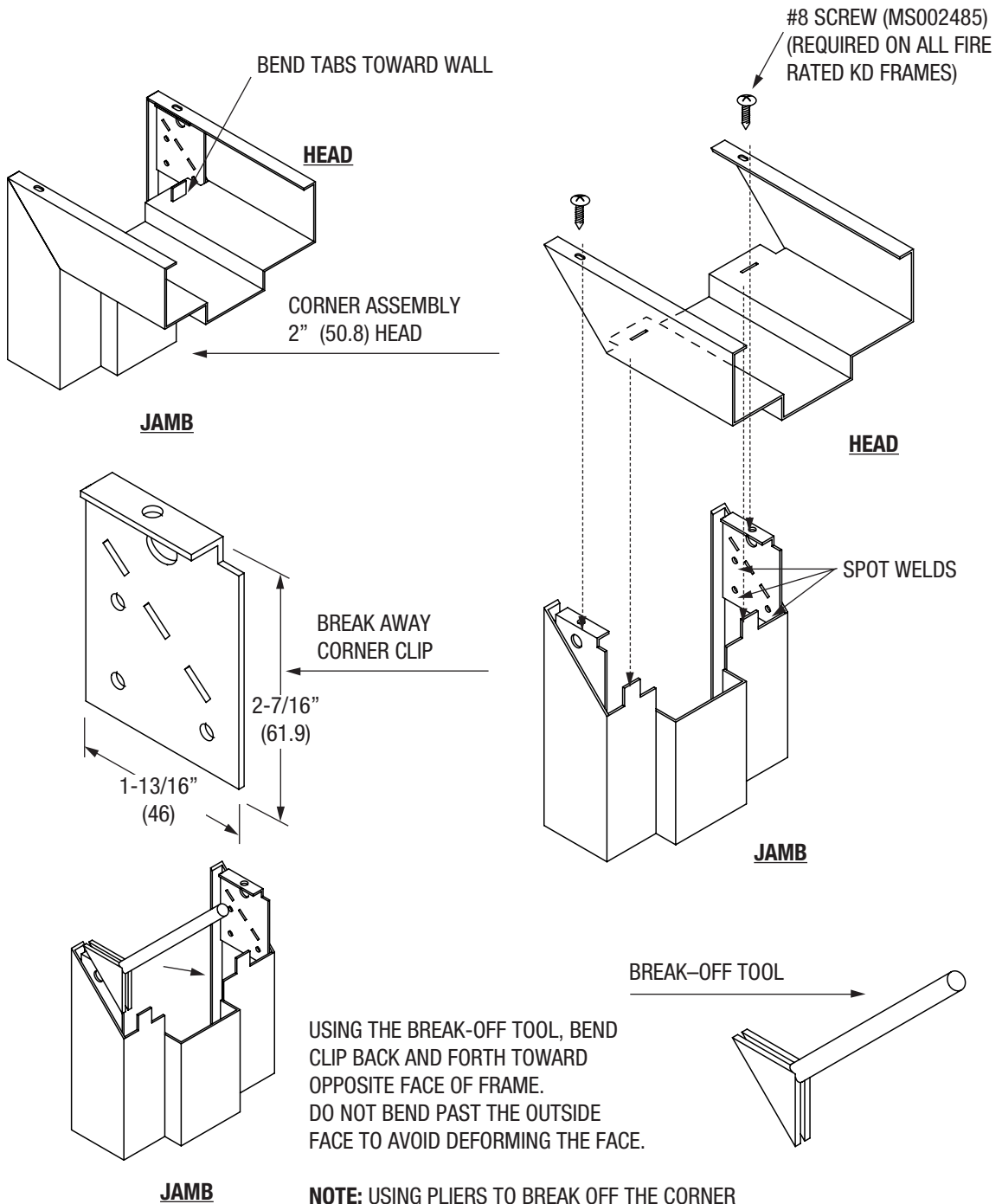
CURRIES Tech Data Frame Section

**Revised
August, 2017**

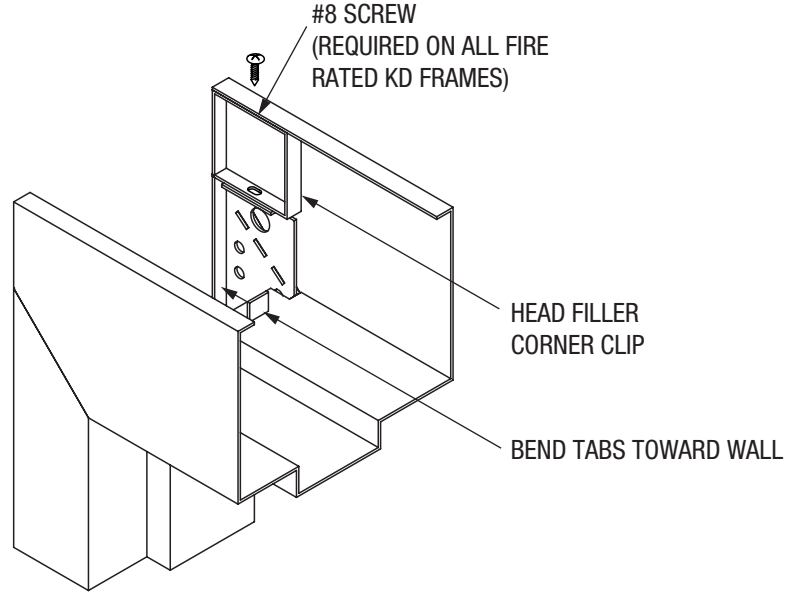
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December, 2015

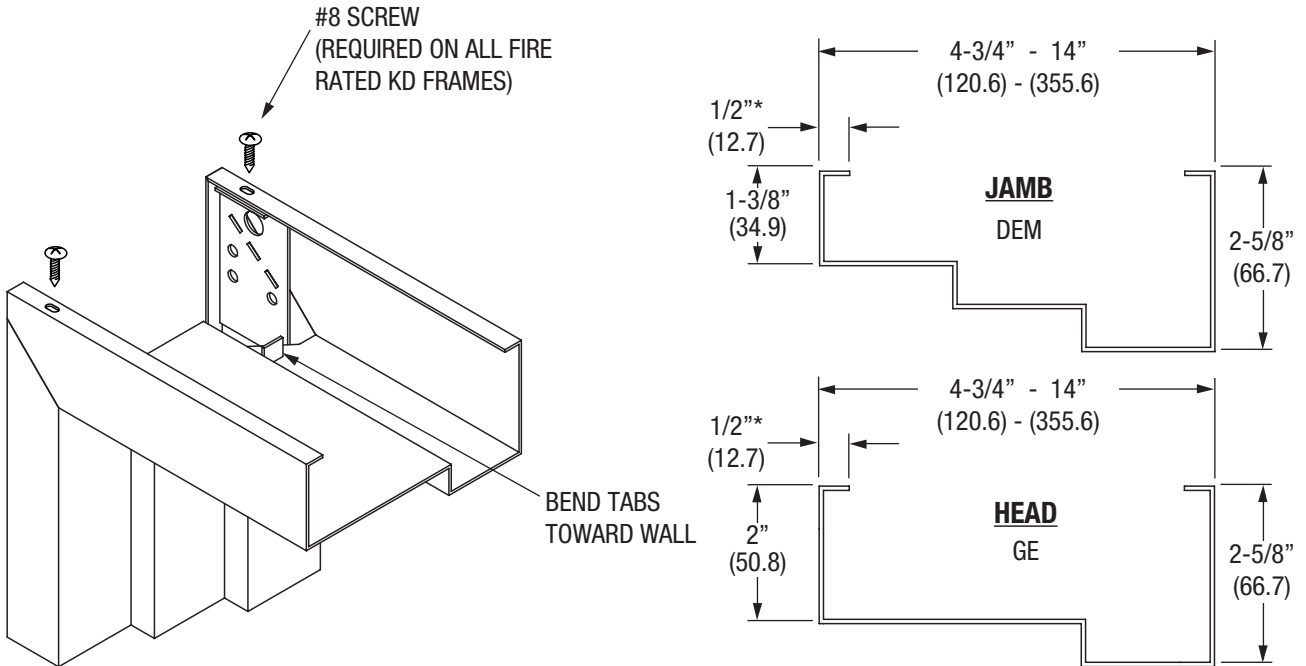
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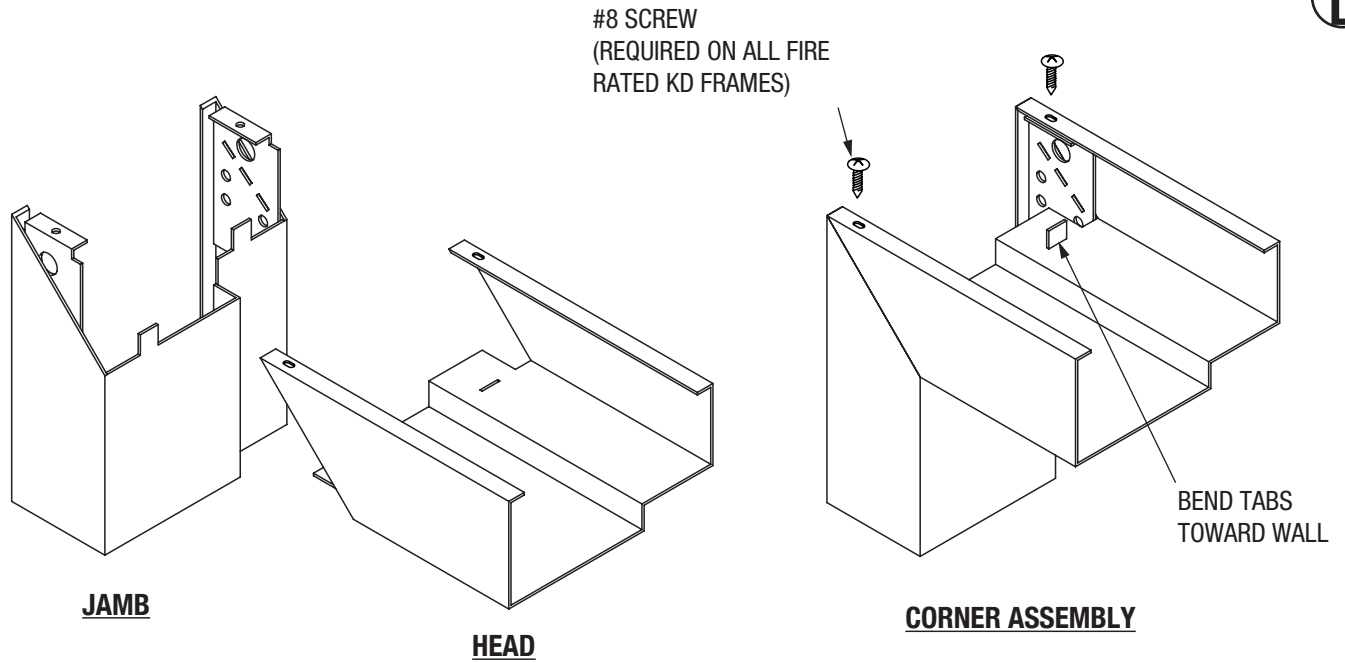
March, 2015



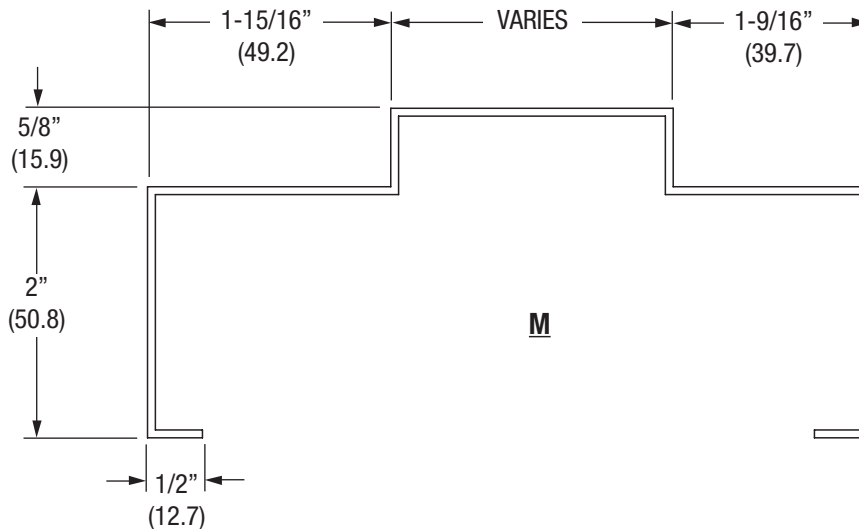
Masonry KD Double Egress Frame



* 5-3/4" (146.1) JAMB DEPTH HAS 7/16" (11.1) RETURN



Masonry KD 2" Face Flush Frame Unequal Rabbet



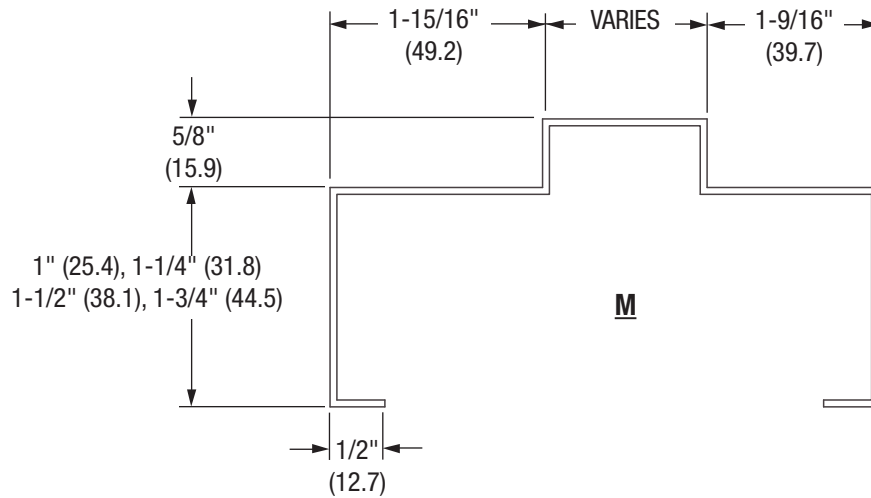
KD "M" TYPE FLUSH
GAUGE - 18 GA. (1.2), 16 GA. (1.4), 14 GA. (1.9)
VARIABLE SOFFIT
JAMB DEPTH 4-1/2" (114.3) THRU 14" (355.6) (1/8"(3.2) INCREMENTS)
AVAILABLE WITH 4" (101.6) FACE HEADS
NOTE: 5-3/4" (146.1) JAMB DEPTH STANDARD WITH 7/16" (11.1) RETURNS
TO PROVIDE 4-7/8" (123.8) THROAT OPENING

Masonry 1", 1-1/4", 1-1/2", 1-3/4", Face Flush KD Frame Unequal Rabbet

Frame Technical Data

April, 2002

L



KD "M" TYPE FLUSH

GAUGE - 18 GA. (1.2), 16 GA. (1.4), 14 GA. (1.9)

VARIABLE SOFFIT

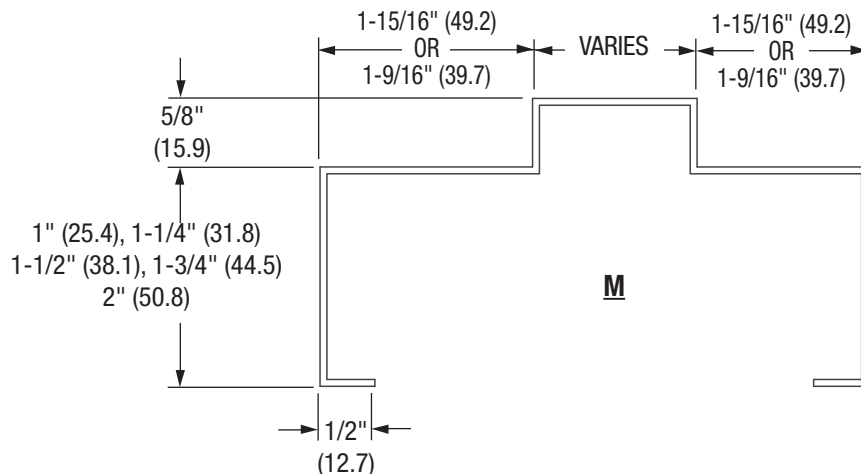
JAMB DEPTH 4-1/2" (114.3) THRU 14" (355.6) (1/8" (3.2) INCREMENTS)

NOT AVAILABLE WITH 4" (101.6) FACE HEADS

NOTE: WHEN CCW MATERIAL IS USED IN CONJUNCTION WITH ABOVE,
COORDINATE RABBET AND FACE DIMENSIONS 5-3/4" (146.1) JAMB DEPTH STANDARD WITH 7/16" (11.1) RETURNS
TO PROVIDE 4-7/8" (123.8) THROAT OPENING.

Masonry Flush KD Frame Equal Rabbet

L



KD "M" TYPE FLUSH

GAUGE - 18 GA. (1.2), 16 GA. (1.4), 14 GA. (1.9)

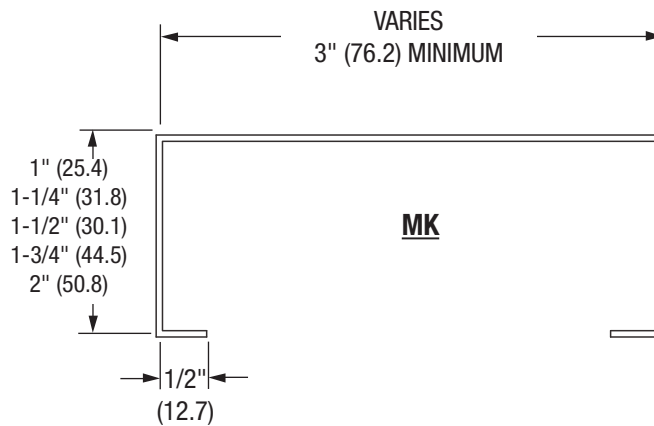
VARIABLE SOFFIT

JAMB DEPTH 4-7/8" (114.3) THRU 14" (355.6) (1/8" (3.2) INCREMENTS)

AVAILABLE WITH 4" (101.6) FACE HEADS WITH 2" FACE JAMBS ONLY

NOTE: WHEN CCW MATERIAL IS USED IN CONJUNCTION WITH ABOVE,
COORDINATE RABBET AND FACE DIMENSIONS. 5-3/4" (146.1) JAMB DEPTH STANDARD WITH 7/16" (11.1) RETURNS
TO PROVIDE 4-7/8" (123.8) THROAT OPENING.

April, 2002



KD "MK" TYPE FLUSH

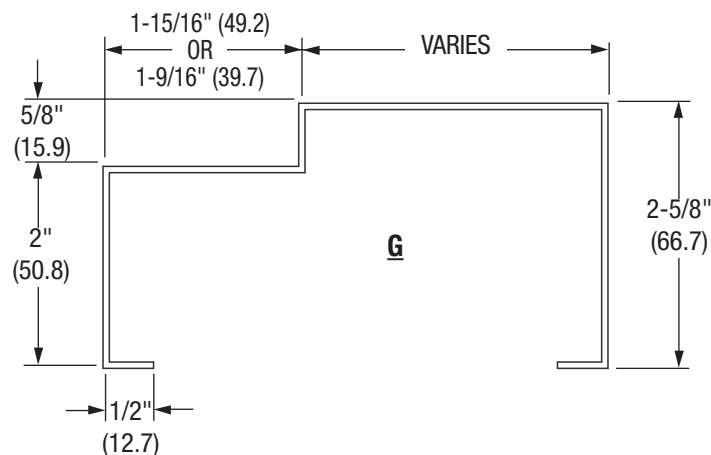
GAUGE - 18 GA. (1.2), 16 GA. (1.4), 14 GA. (1.9)

JAMB DEPTH 3" (76.2) THRU 14" (355.6) (1/8" (3.2) INCREMENTS)

NOTE: AVAILABLE WITH 4" (101.6) FACE HEAD WITH 4-1/2" (114.3) MINIMUM JAMB DEPTH
5-3/4" (146.1) JAMB DEPTH STANDARD WITH 7/16" (11.1) RETURNS
TO PROVIDE 4-7/8" (123.8) THROAT OPENING.

★ TOTAL DOOR ONLY MAY BE LABELED

Masonry Flush KD "G" Profile Frame



KD "G" TYPE FLUSH

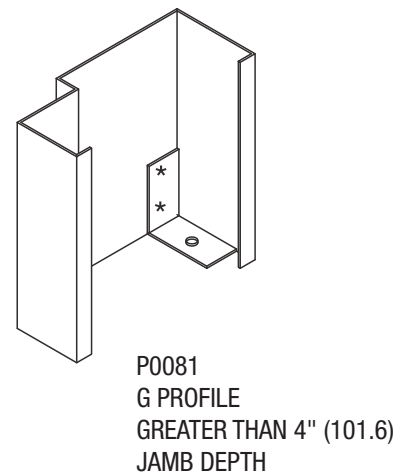
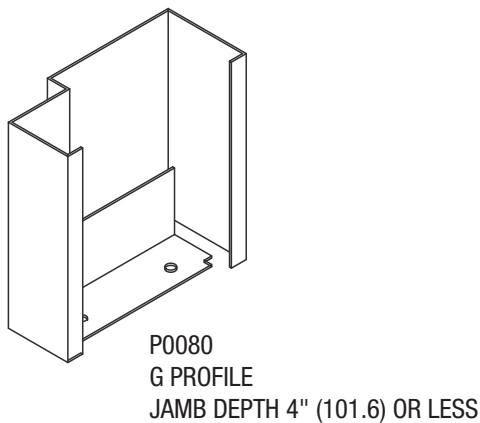
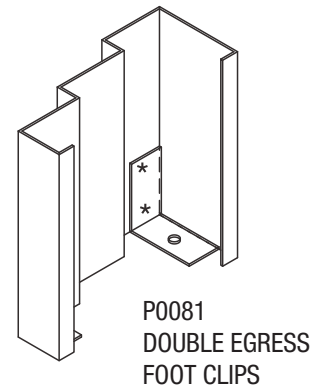
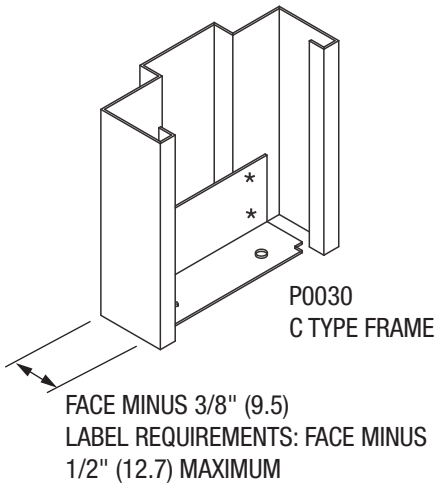
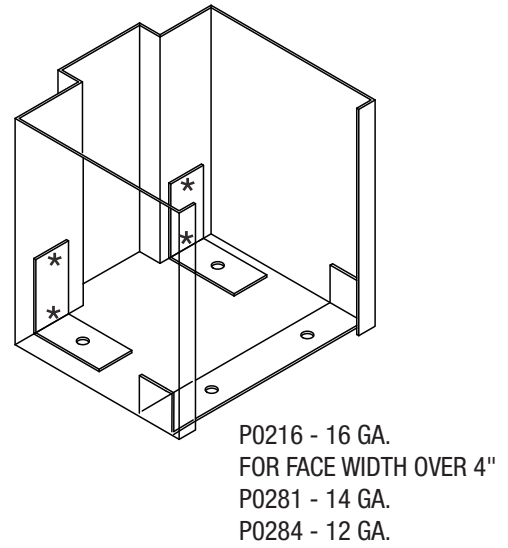
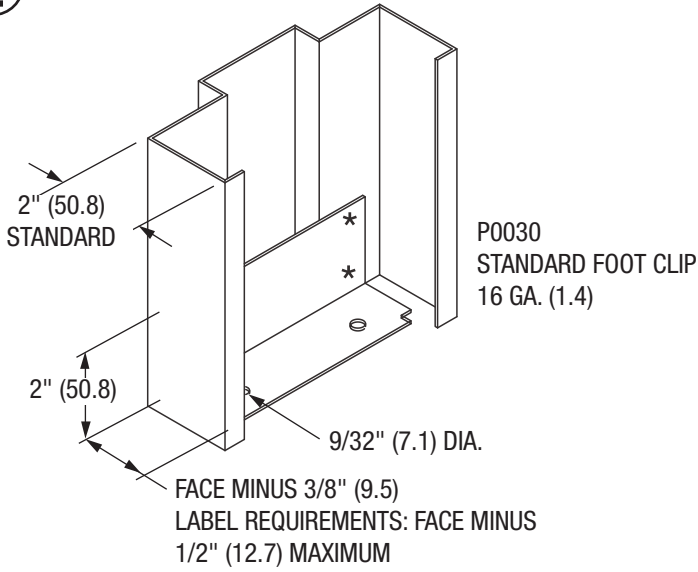
GAUGE - 18 GA. (1.2), 16 GA. (1.4), 14 GA. (1.9)

JAMB DEPTH 3" (76.2) THRU 14" (355.6) (1/8" (3.2) INCREMENTS)

MIN. 4" JAMB DEPTH FOR LABELED FRAME WITH 1-15/16" RABBET AND
3-1/4" JAMB DEPTH FOR 1-9/16" RABBET.

NOTE: 2" (50.8) AND 2-5/8" (66.7) FACE ON JAMBS
AVAILABLE WITH 4" (101.6) FACE HEAD WITH 4-1/2" (114.3) MINIMUM JAMB DEPTH.
5-3/4" (146.1) JAMB DEPTH STANDARD WITH 7/16" (11.1) RETURNS
TO PROVIDE 4-7/8" (123.8) THROAT OPENING.

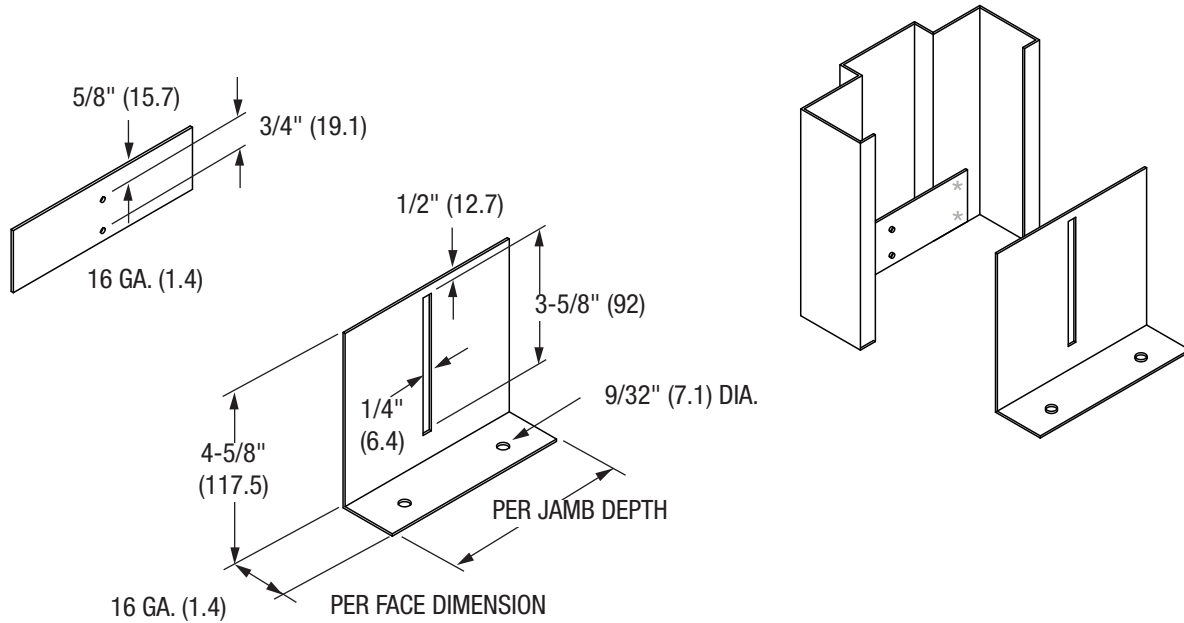
April, 2002





ANCHOR PART NUMBER: P0078

FOOT CLIP SHIPPED LOOSE WITH 2-#12 SHEET METAL SCREWS

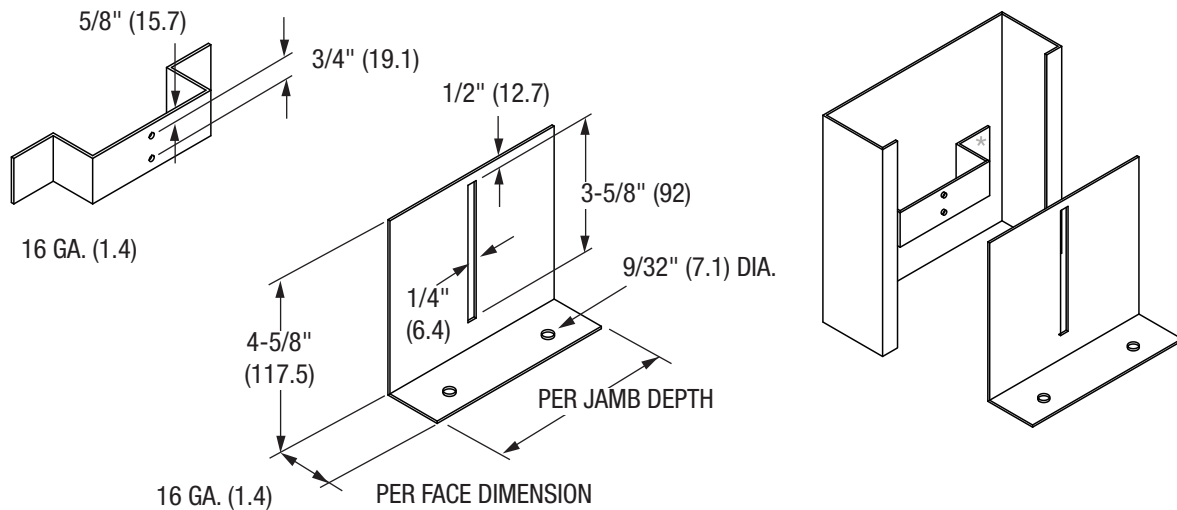


Adjustable Foot Clip - Cased Opening



ANCHOR PART NUMBER: P0151

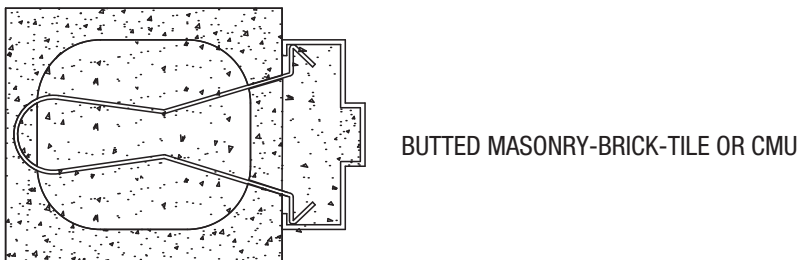
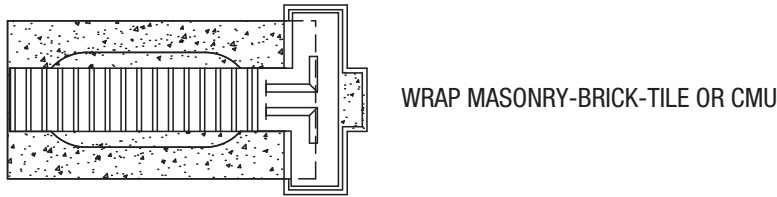
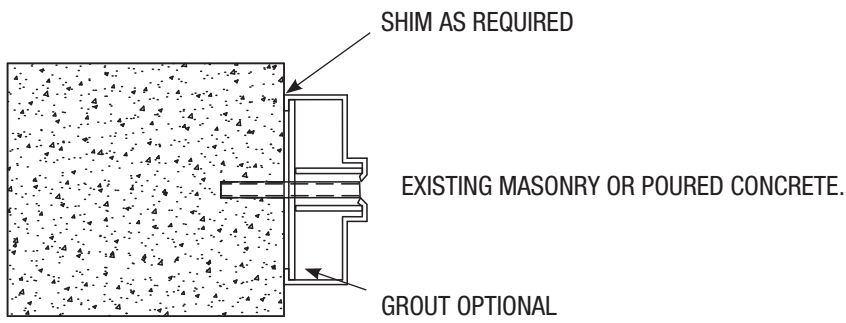
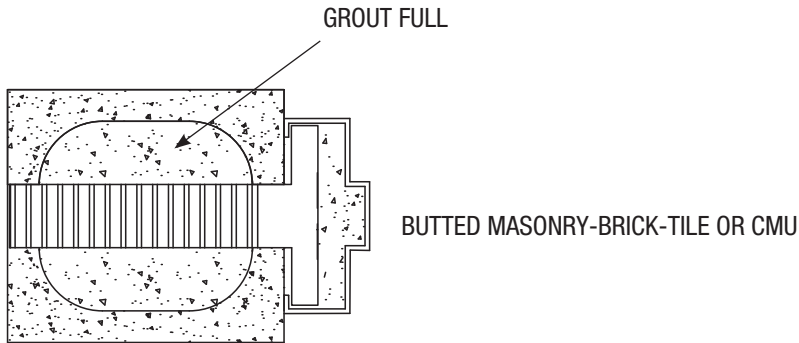
FOOT CLIP SHIPPED LOOSE WITH 2-#12 SHEET METAL SCREWS

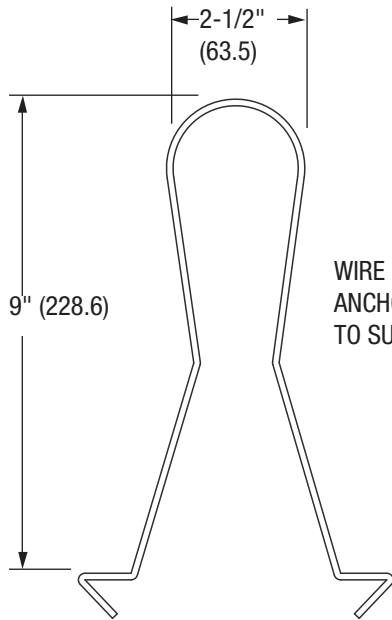


8 Common Walls For Masonry Anchor

Frame Technical Data

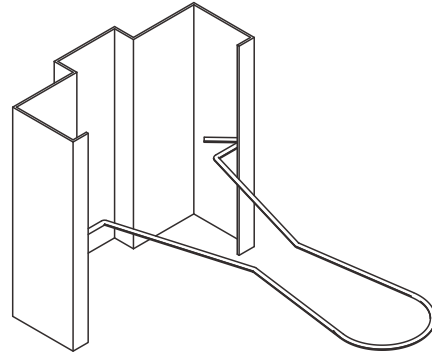
April, 2002



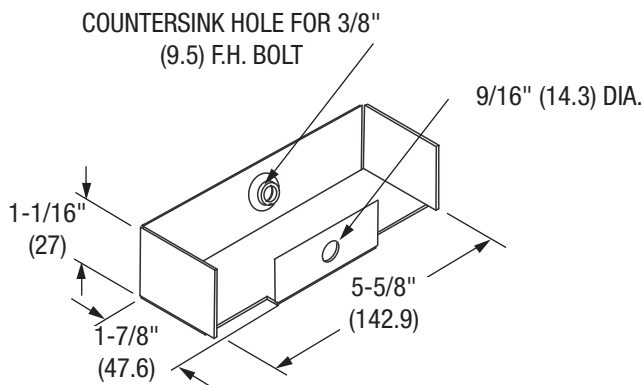


WIRE DIA. 3/16" (4.8) GALV.
ANCHOR MAY BE BENT
TO SUIT JAMB DEPTH

ANCHOR PART NUMBER: P0098
ORDER CODE LOOSE: MW



Concealed Existing Opening Anchor



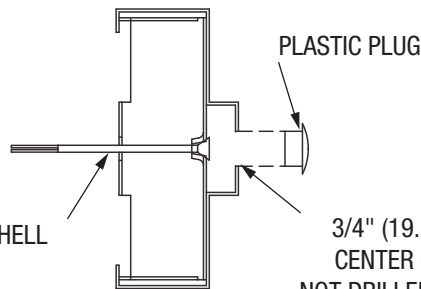
COUNTERSINK HOLE FOR 3/8" (9.5) F.H. BOLT

9/16" (14.3) DIA.

ANCHOR PART NUMBER: CF004557
100 ANCHORS W/PLASTIC PLUG

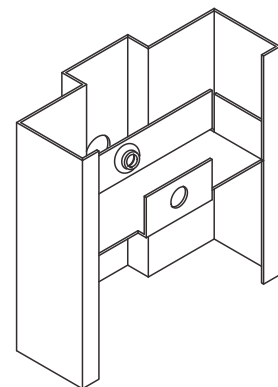
PLASTIC PLUG PART NUMBER: MS002600
100 PLASTIC PLUGS

3/8" (9.5) BOLT & EXPANSION SHELL
(NOT PROVIDED)



PLASTIC PLUG

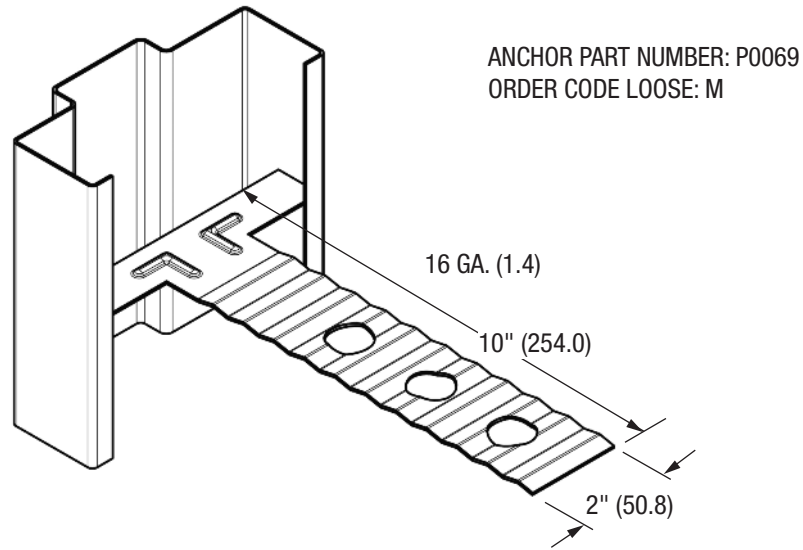
3/4" (19.1) HOLE IN
CENTER OF SOFFIT
NOT DRILLED BY CURRIES



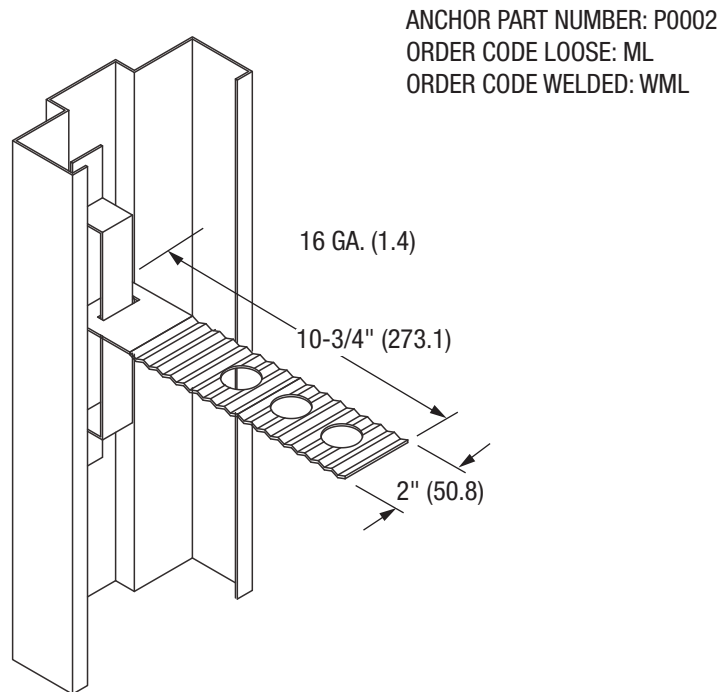
NOTE: ANCHORS AVAILABLE FOR 5-3/4" (146.1) JAMB DEPTH 2" FACE ONLY
AVAILABLE AS SHIP LOOSE PART ONLY

10
Masonry "T" Anchor
Frame Technical Data

June, 2012



Weld in Type Masonry Anchor

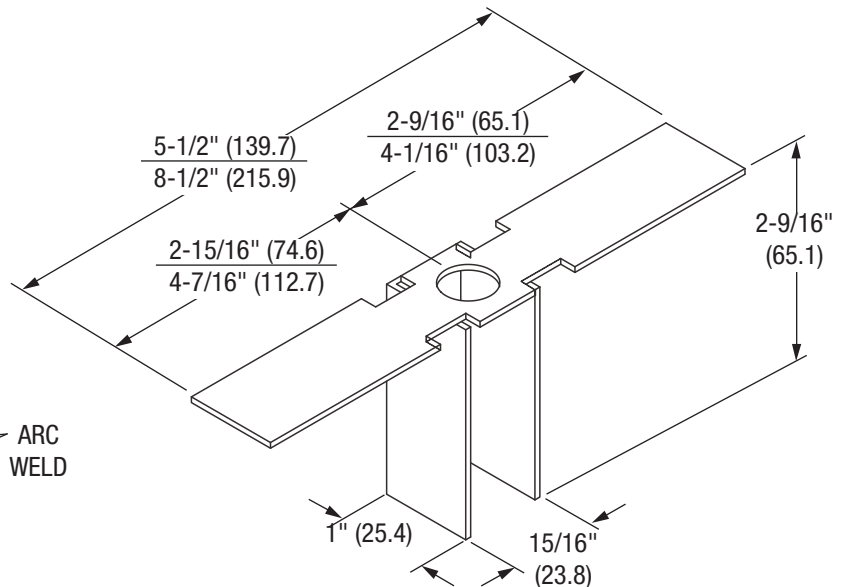
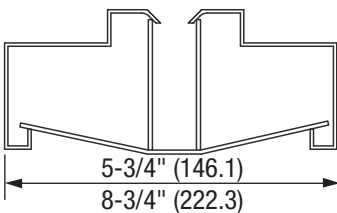
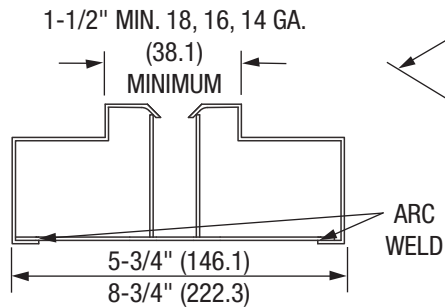
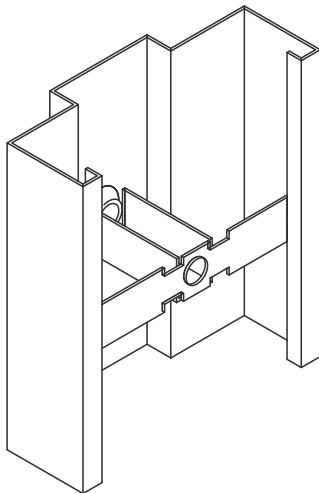




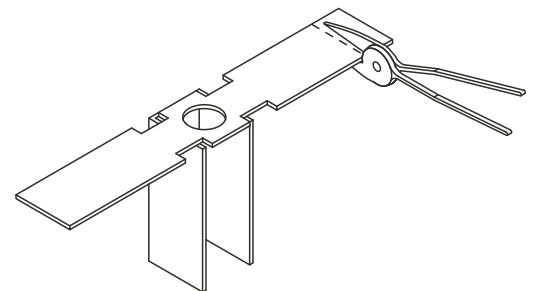
FOR STANDARD RABBETED FRAMES 1-15/16" (49.2) X 1-9/16" (39.7)
 THE EWA ANCHOR IS AVAILABLE IN 5-1/2" (139.7) & 8-1/2" (215.9) SIZES TO
 FIT 5-3/4" (146.1) & 8-3/4" (222.3) STANDARD RABBETED FRAMES RESPECTIVELY.
 3/8" FLAT HEAD BOLT RECOMMENDED.

ANCHOR PART NUMBER: P0070
 ORDER CODE LOOSE: EWA
 ORDER CODE WELDED: WEWA

- AVAILABLE AS SHIP-LOOSE ANCHOR
- AVAILABLE FROM WAREHOUSE AS STOCK #CF004896
- SPECIFY 5-1/2" (139.7) OR 8-1/2" (215.9) SIZE



DIAMETER 3/8" (9.5) X 1-3/4" (44.5)
 EMBEDMENT LENGTH OR STEEL
 EXPANSION SHELL OR 3/8" (9.5)
 FLATHEAD BOLT



THE EWA ANCHOR MAY BE TRIMMED TO FIT ANY FRAME OF STANDARD
 RABBET OR SINGLE RABBET 8-3/4" (222.3) OR LESS IN JAMB DEPTH
 AND EQUAL RABBET 8-3/8" (212.7) OR LESS IN JAMB DEPTH

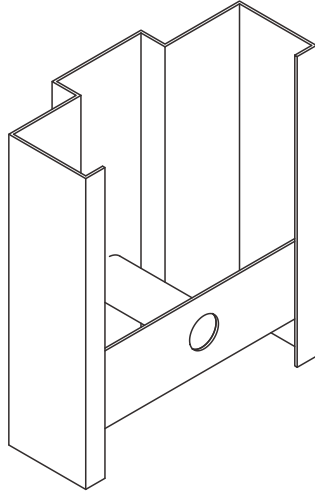
* 1-1/2" MINIMUM 12 GA.

NOTE: 1-7/8 MIN. STOP WIDTH FOR QM PROFILE

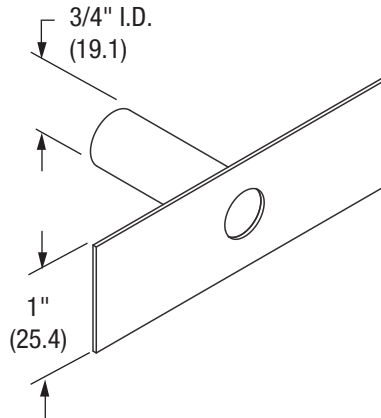
April, 2002



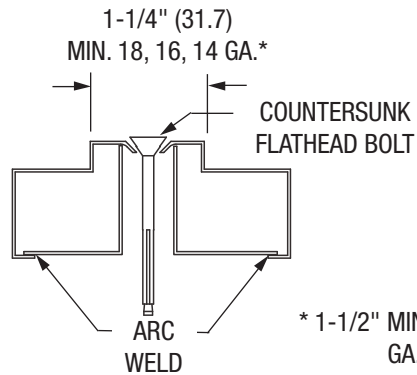
ANCHOR PART NUMBER: P0044
 ORDER CODE LOOSE: PS
 ORDER CODE WELDED: WPS



NOTE: FACE DIMENSION FOR PROFILE MUST BE EQUAL



DIAMETER 3/8" (9.5) X 1-3/4" (44.5) EMBEDMENT LENGTH OR STEEL EXPANSION SHELL OR 3/8" (9.5) FLATHEAD BOLT

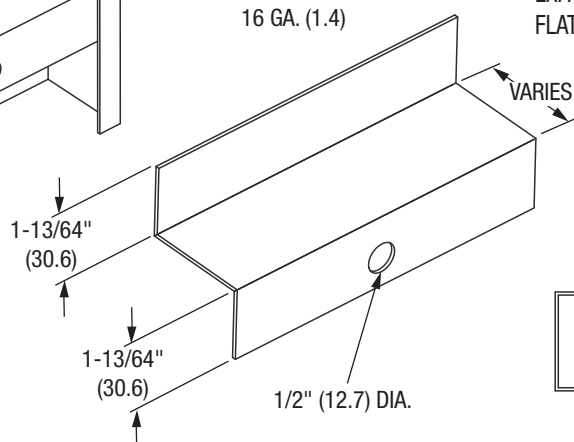
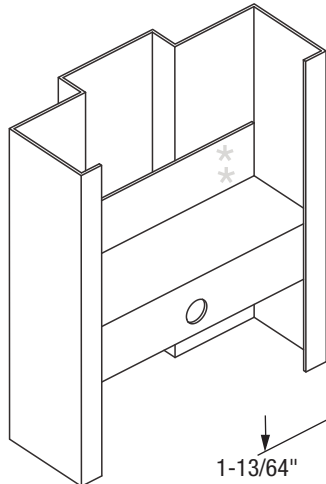


* 1-1/2" MIN. FOR 12 GA.

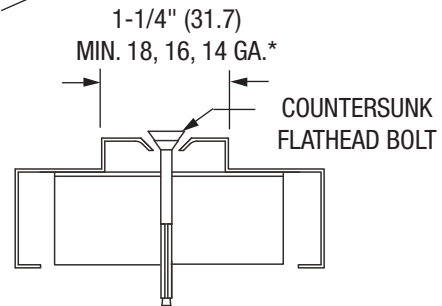
Spacing Bracket Anchor



ANCHOR PART NUMBER: P0146
 ORDER CODE LOOSE: SB
 ORDER CODE WELDED: WSB



DIAMETER 3/8" (9.5) X 1-3/4" (44.5) EMBEDMENT LENGTH OR STEEL EXPANSION SHELL OR 3/8" (9.5) FLATHEAD BOLT

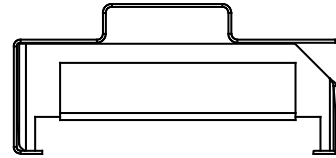
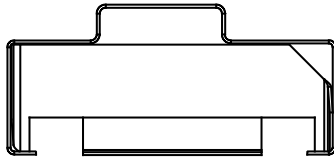


* 1-1/2" MIN. FOR 12 GA.

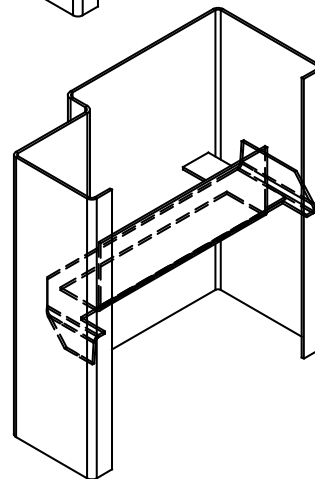
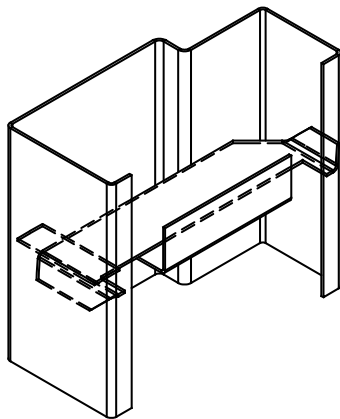
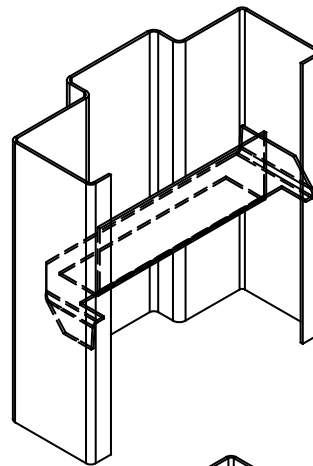
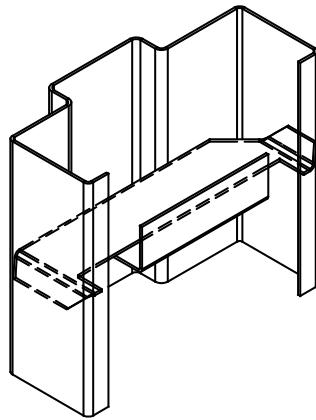


STANDARD (FLUSH)
ORDER CODE LOOSE: SCF

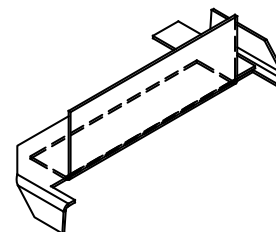
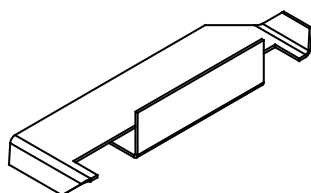
OPTIONAL (RECESSED)
ORDER CODE LOOSE: SCR



**DOUBLE
RABBET**



**SINGLE
RABBET/DE**



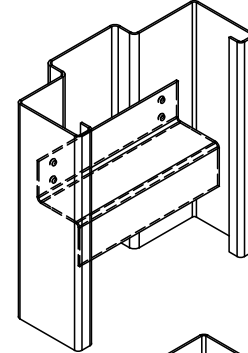
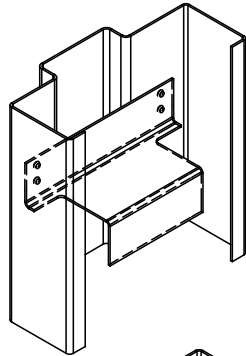
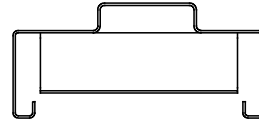
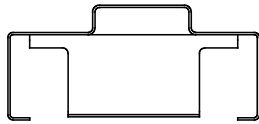
NOTE: MINIMUM FACE OF 1-1/4" (31.8) REQUIRED FOR THIS ANCHOR TYPE

November, 2014

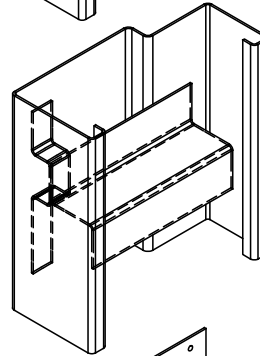
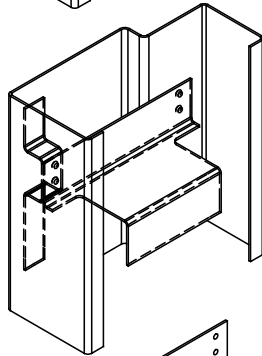


STANDARD (FLUSH)
ORDER CODE: WSCF

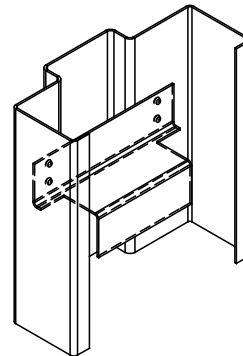
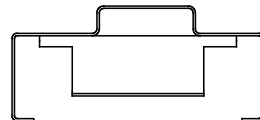
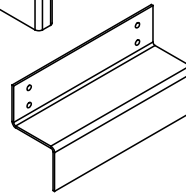
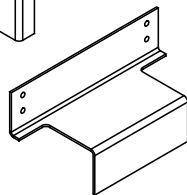
OPTIONAL (RECESSED)
ORDER CODE: WSCR



**DOUBLE
RABBET**



**SINGLE
RABBET/DE**

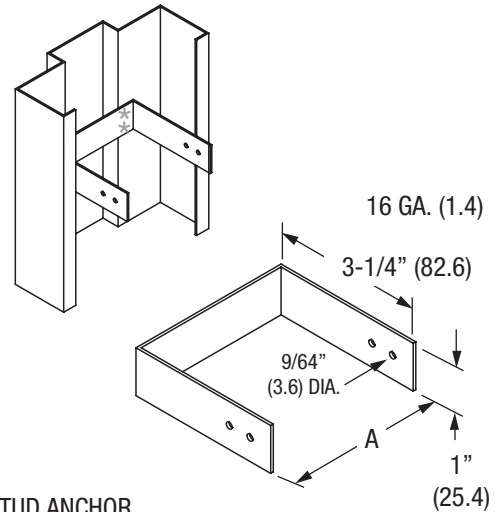
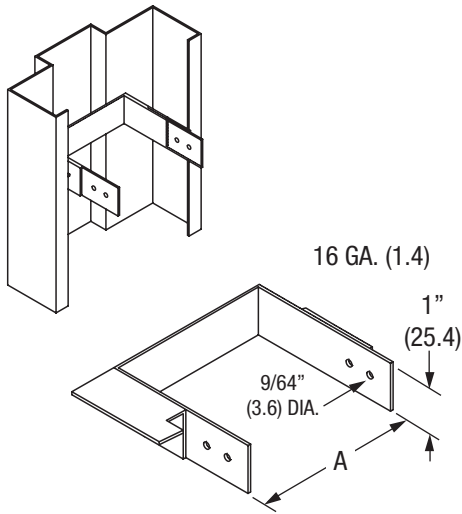


**ELECTRICAL CONDUIT
(RECESSED)**
ORDER CODE: ESCR

**NOTE: FLUSH ANCHORS ALLOW FOR 3/4" (19) DRYWALL. NEED TO SPECIFY IF GREATER.
FLUSH ANCHORS CAN BE USED WITH ELECTRICAL CONDUIT.**



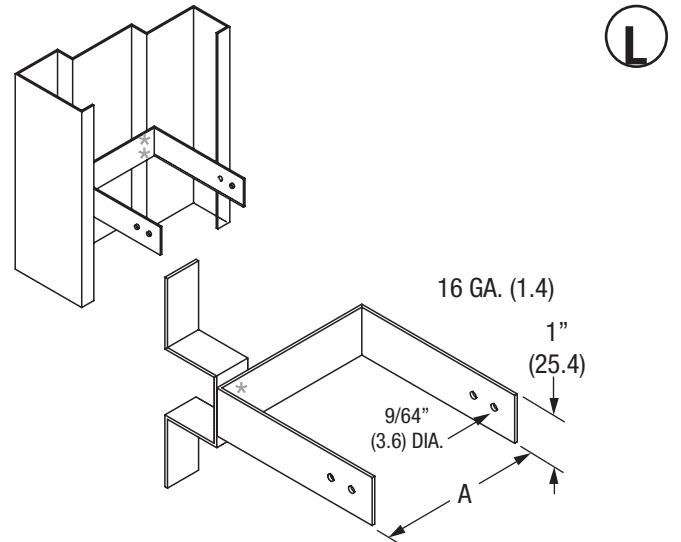
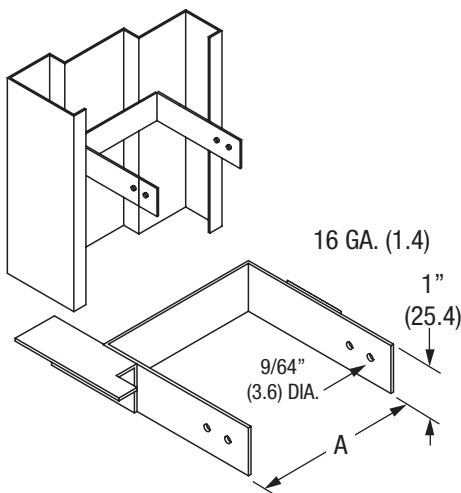
SLIP IN WOOD STUD ANCHOR - "M" SERIES FRAME ONLY
 ORDER CODE LOOSE: WS "A" DIMENSIONS
 ANCHOR PART NUMBER: P0152 - SPECIFY STUD WIDTH



WELD IN WOOD STUD ANCHOR
 ORDER CODE LOOSE: WWS "A" DIMENSIONS
 ANCHOR PART NUMBER: P0148 - SPECIFY STUD WIDTH

Wood Stud Anchors - Double Egress

SLIP IN WOOD STUD ANCHOR
 ORDER CODE LOOSE: WS "A" DIMENSIONS
 ANCHOR PART NUMBER: P0152 - SPECIFY STUD WIDTH



WELD IN WOOD STUD ANCHOR
 ORDER CODE LOOSE: WWS "A" DIMENSIONS
 ANCHOR PART NUMBER: P0148 - SPECIFY STUD WIDTH

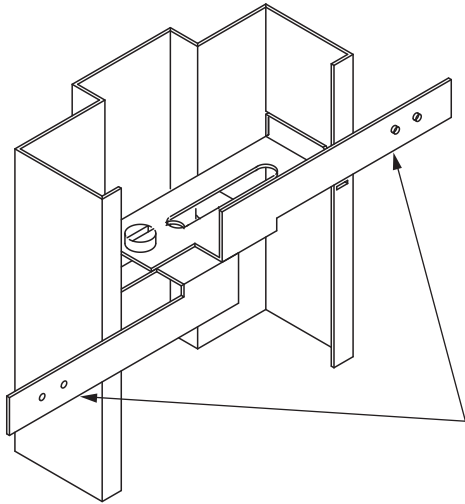
NOTE: SPECIFY JAMB OR HEAD ANCHOR WHEN ORDERING.
 CURRIES WOOD STUD ANCHORS CAN BE USED WITH WOOD AND METAL STUDS.
 BOTH ARE LABEL APPROVED.

Adjustable Multipurpose Anchor

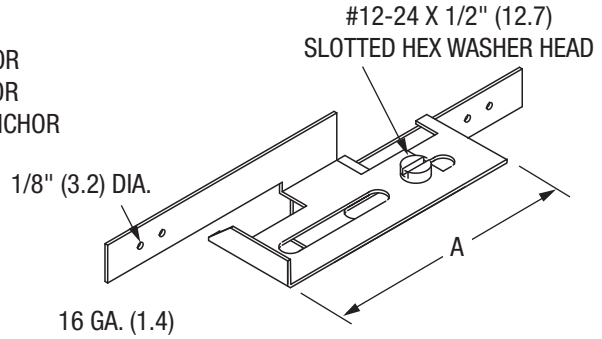
Frame Technical Data

October, 2010

ANCHOR PART NUMBER: P0027
 ANCHOR CODE: AMP
 "A" DIMENSION = JAMB DEPTHS OF 4-3/8" (111.1) THRU 6-3/4" (171.5)
 2" (50.8) FACE FLUSH "M" SERIES OR DRYWALL "C" SERIES
 FIELD ADJUSTED TO JAMB DEPTH. AVAILABLE AS SHIP LOOSE PART ONLY



FOR USE AS:
 WOOD STUD ANCHOR
 WIRE TRUSS ANCHOR
 STEEL CHANNEL ANCHOR

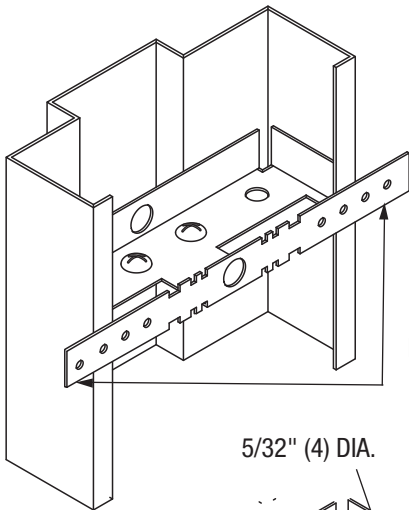


BEND OR TRIM LEGS TO SUIT WALL CONDITIONS

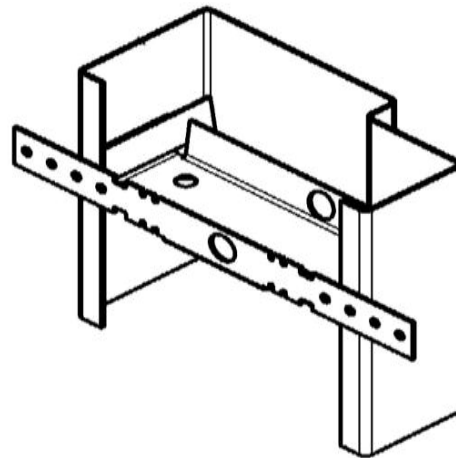
Multipurpose Anchor



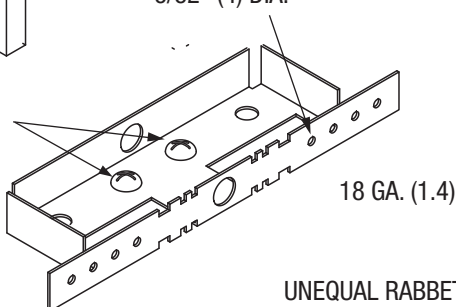
ANCHOR PART NUMBER: P0045
 ANCHOR CODE: MP
 JAMB DEPTHS OF 4-3/4" (120.7) THRU 9-3/4" (247.6)
 2" (50.8) FACE FLUSH "M" SERIES OR DRYWALL "C" SERIES
 2" (50.8) X 2-5/8" (66.67) "G" SERIES OR DRYWALL "CG" SERIES



BEND OR TRIM LEGS TO SUIT WALL CONDITIONS



NUMBER OF STIFFENERS DEPEND ON JAMB DEPTHS

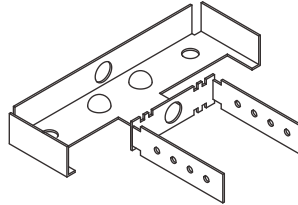
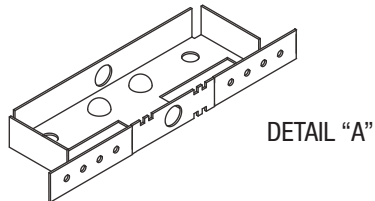


UNEQUAL RABBETS ONLY ON MASONRY WALLS

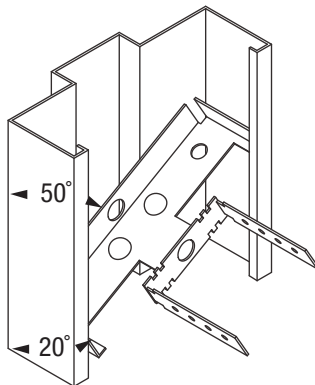


P0045

1. BEND LEGS OF ANCHOR 90° AS SHOWN IN DETAIL "A"
(LEGS MAY HAVE TO BE BENT FURTHER IN LATER STEPS).

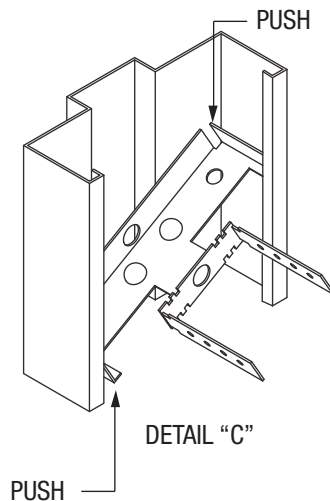


2. INSERT ANCHOR INTO FRAME THROAT TILTED AT APPROXIMATELY A 50° ANGLE AS SHOWN IN DETAIL "B".

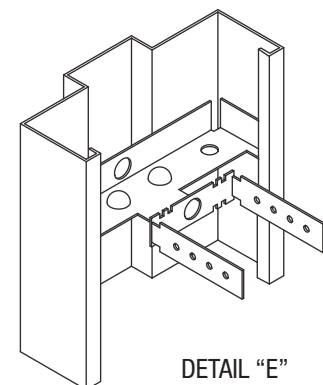
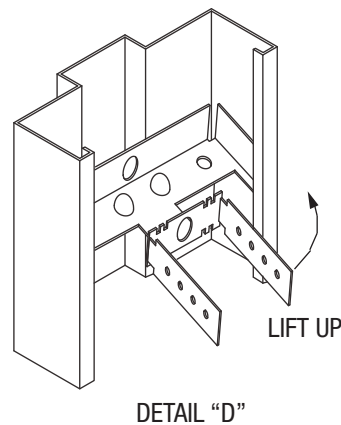


3. THE ANCHOR MUST ALSO BE INSERTED AT APPROXIMATELY A 20° ANGLE FROM THE RABBETS OF THE FRAME AS SHOWN IN DETAIL "B". THE FLANGES ON THE ANCHOR MUST CLEAR THE BACKBEND RETURNS.

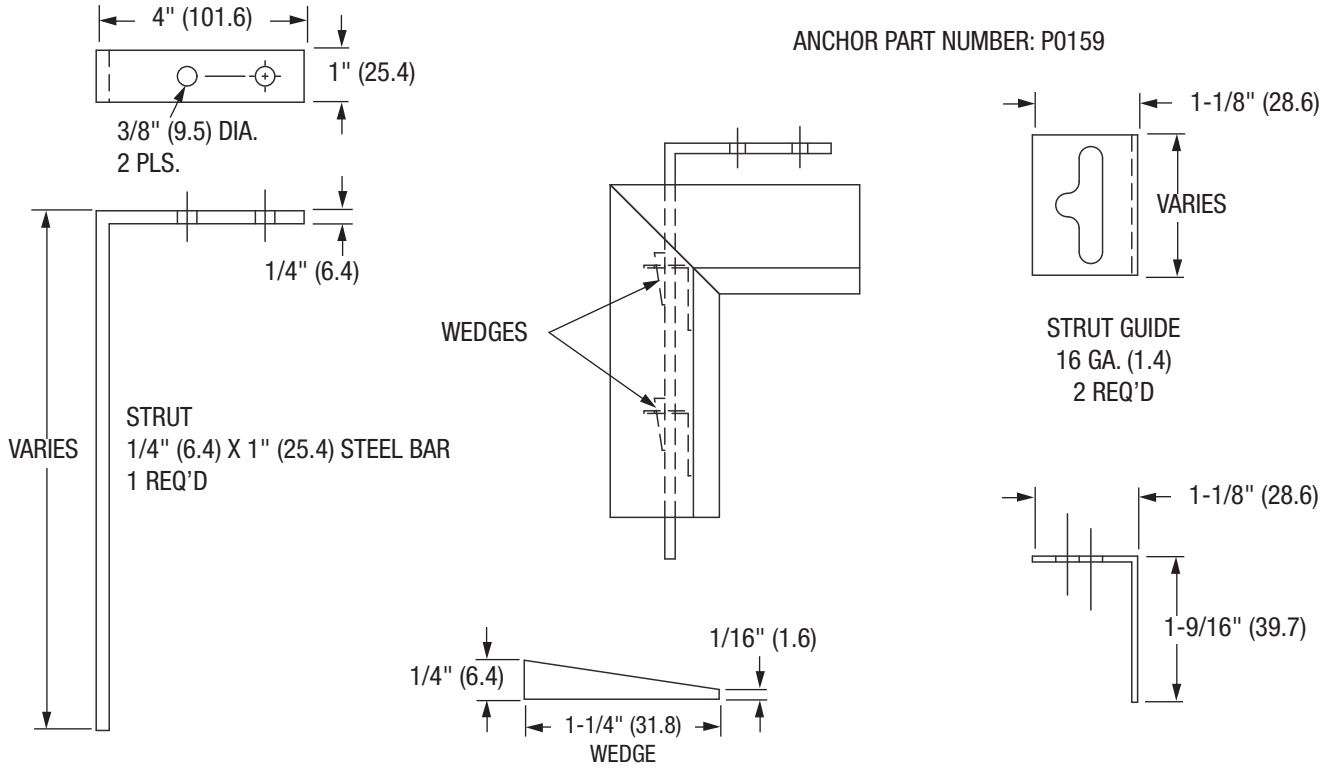
4. TWIST THE ANCHOR INTO PLACE BY APPLYING PRESSURE IN THE OPPOSITE DIRECTIONS TO EACH SIDE OF THE ANCHOR AS SHOWN IN DETAIL "C".



5. ONCE THE ANCHOR HAS SNAPPED INTO PLACE, DETAIL "D", TURN IT UP INTO THE CORRECT POSITION AS SHOWN IN DETAIL "E" LEGS SHOULD BE BENT BACK TO THE ORIGINAL POSITION IF NECESSARY.



September, 2005

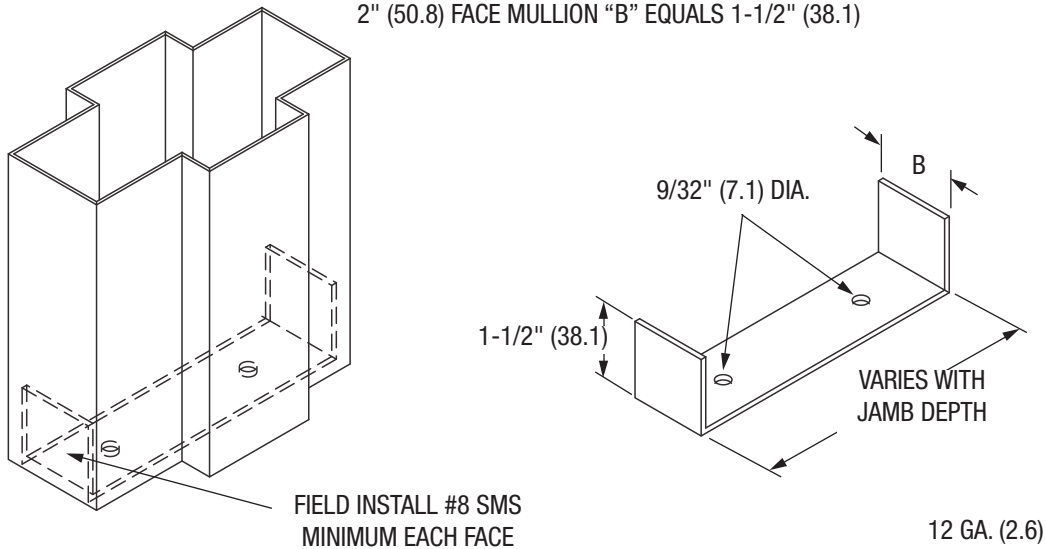


Mullion Stirrup Anchor



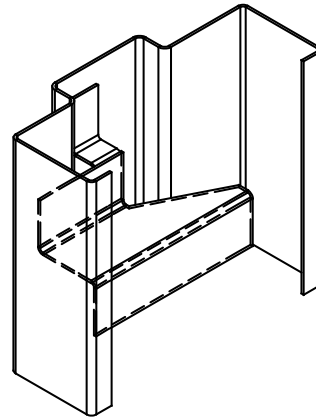
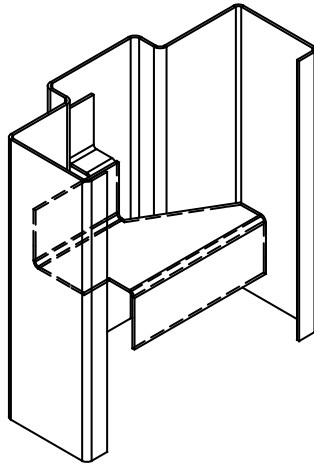
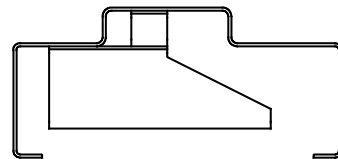
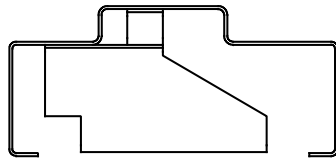
ANCHOR PART NUMBER: P0089

DIMENSION "B" VARIES WITH FACE DIMENSION
2" (50.8) FACE MULLION "B" EQUALS 1-1/2" (38.1)



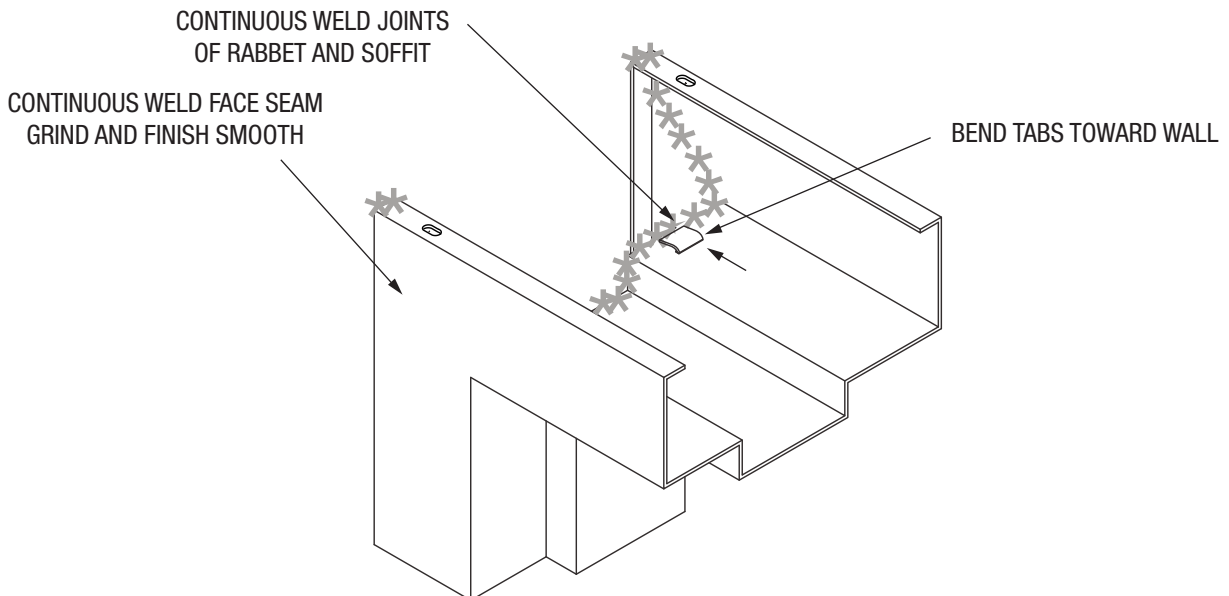
STANDARD (FLUSH)
WELD CODE: WSCF-LL

OPTIONAL (RECESSED)
WELD CODE: WSCR-LL



Full Weld KD

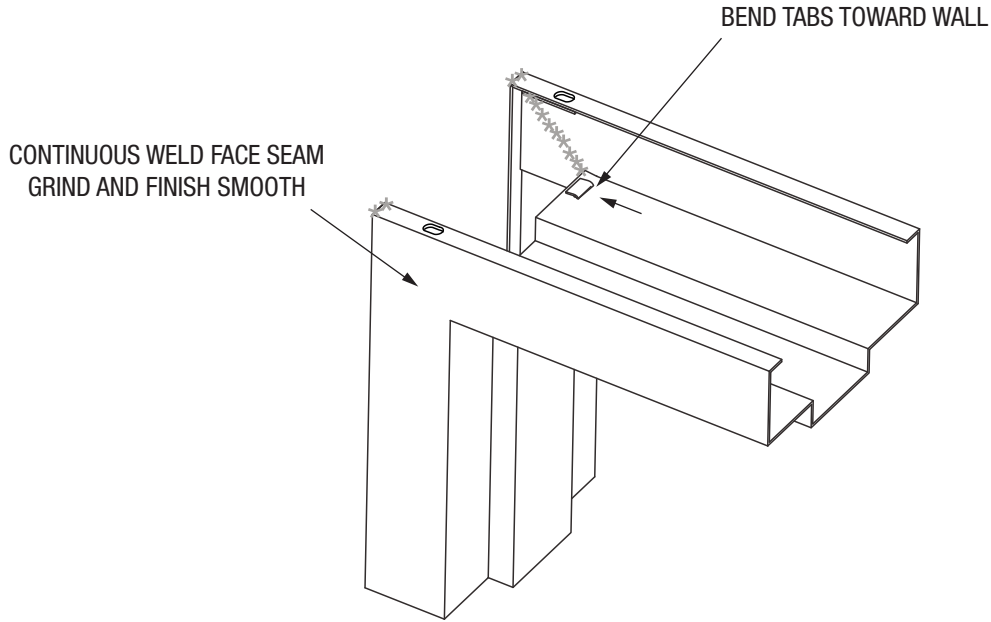
WELD CODE: FW



February, 2013



WELD CODE SW (KD)

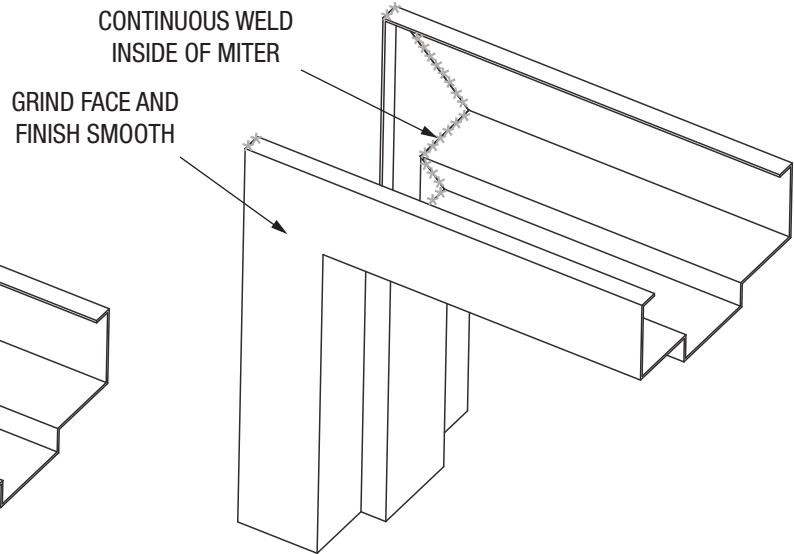
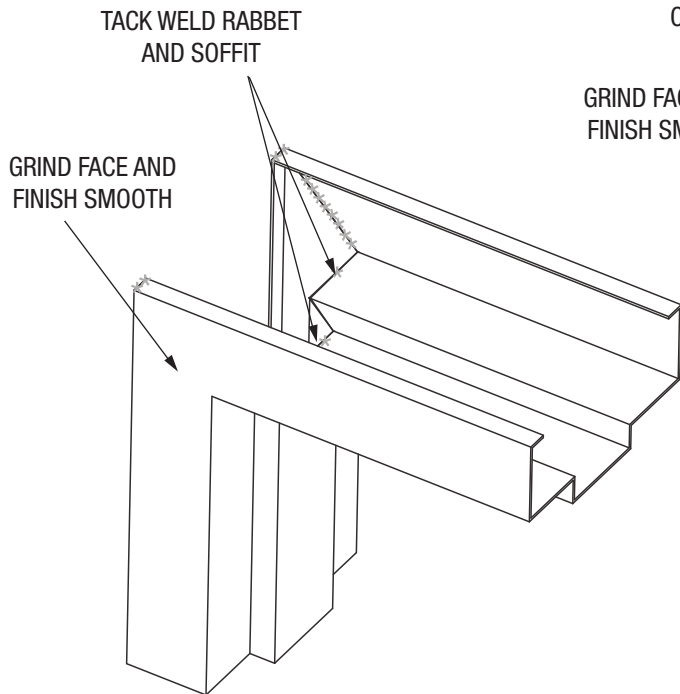


Saw Miter Weld



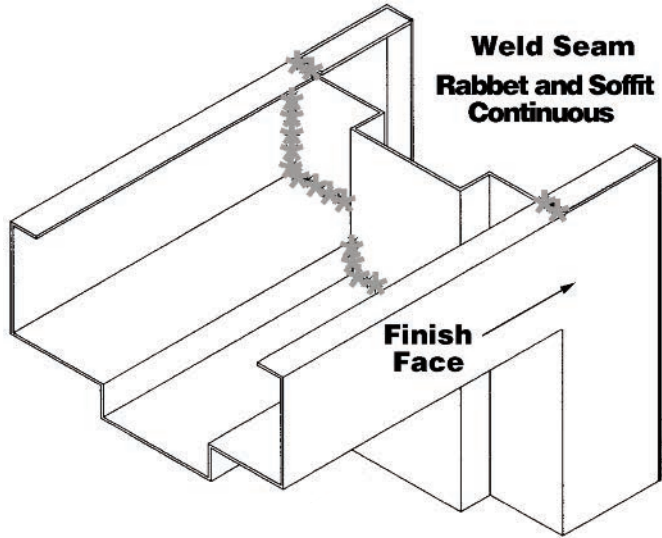
WELD CODE SMT

WELD CODE SMW

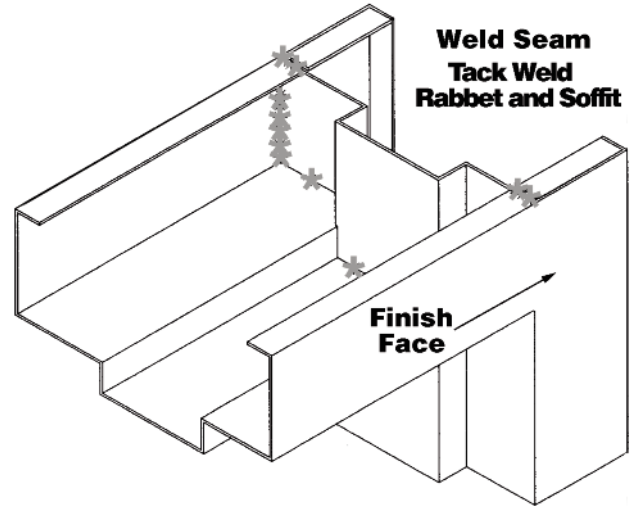




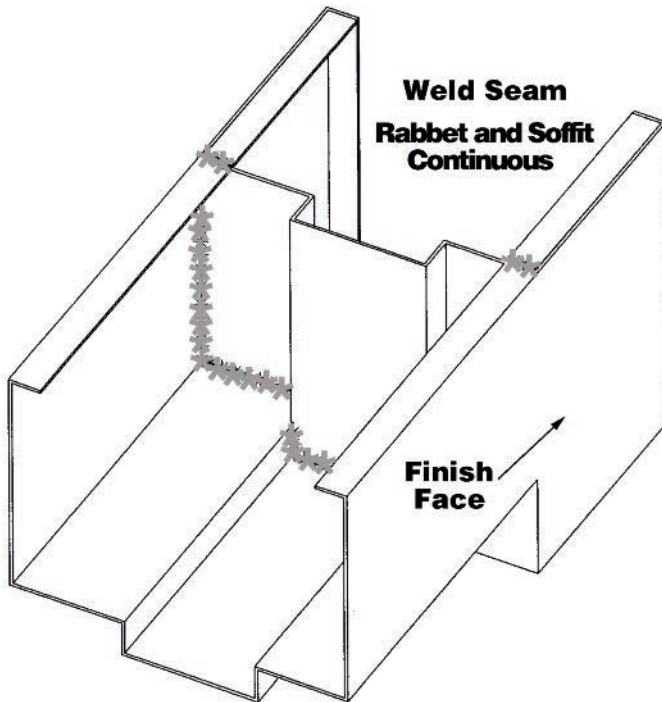
WELD CODE BEW (≤ 3)



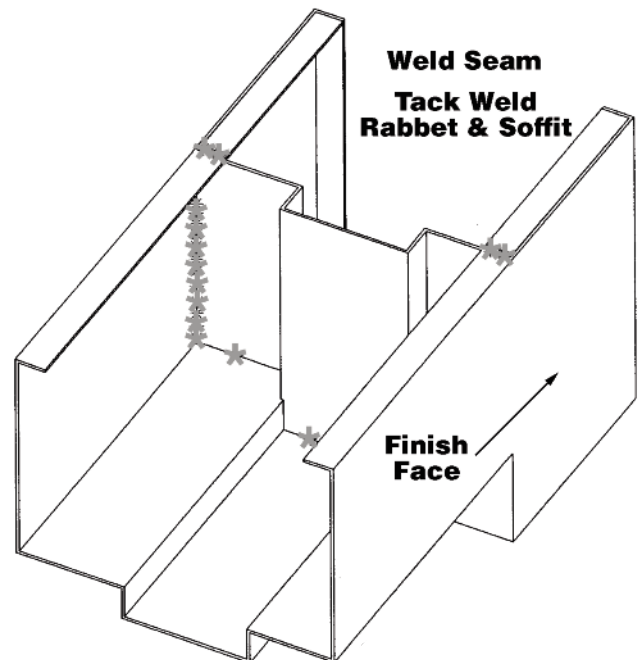
WELD CODE BET (≤ 3)



WELD CODE SBW (> 3)



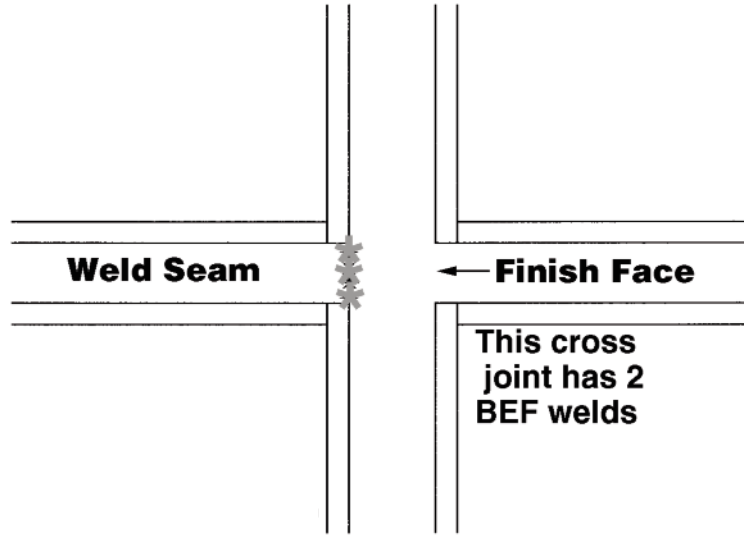
WELD CODE SBT (> 3)



July, 2003

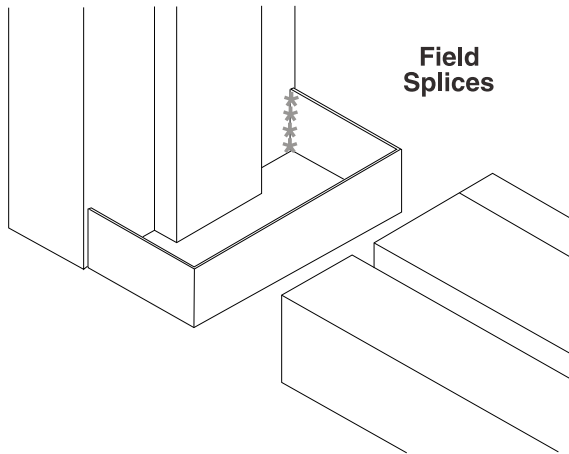


WELD CODE BEF 10

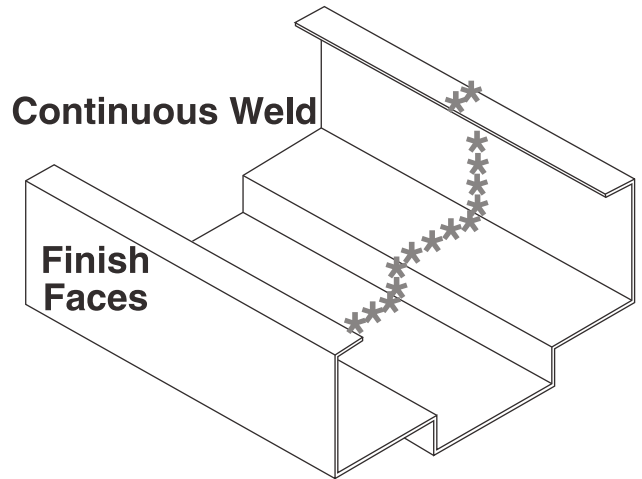




WELD CODE FSP



WELD CODE WSP



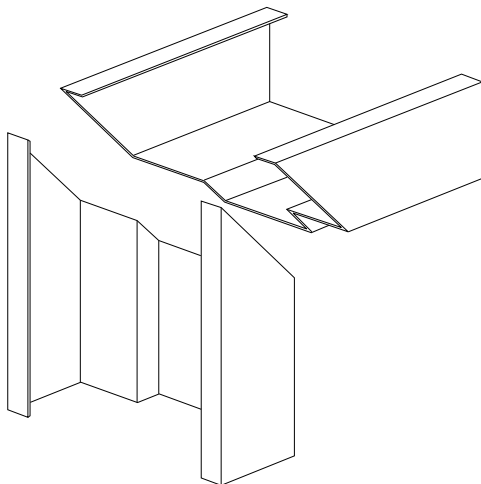
NOTE: FACTORY WELDED FRAMES EXCEEDING 9' X 14' WILL BE PROVIDED WITH FIELD SPLICES

Saw Miter Only

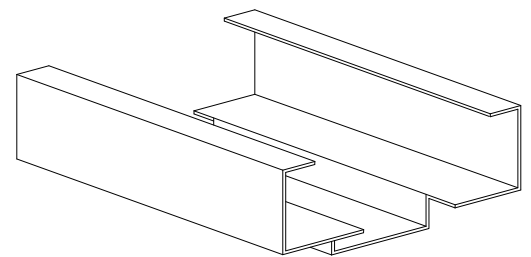
NOTE: PREPARED FOR DISTRIBUTOR WELDING



WELD CODE SMO

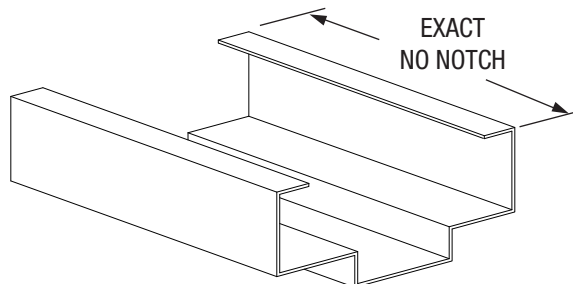


WELD CODE SBE



EXACT NOTCH TOP JAMBS NOTCH BOTH ENDS. (BLANK OR HEADS)

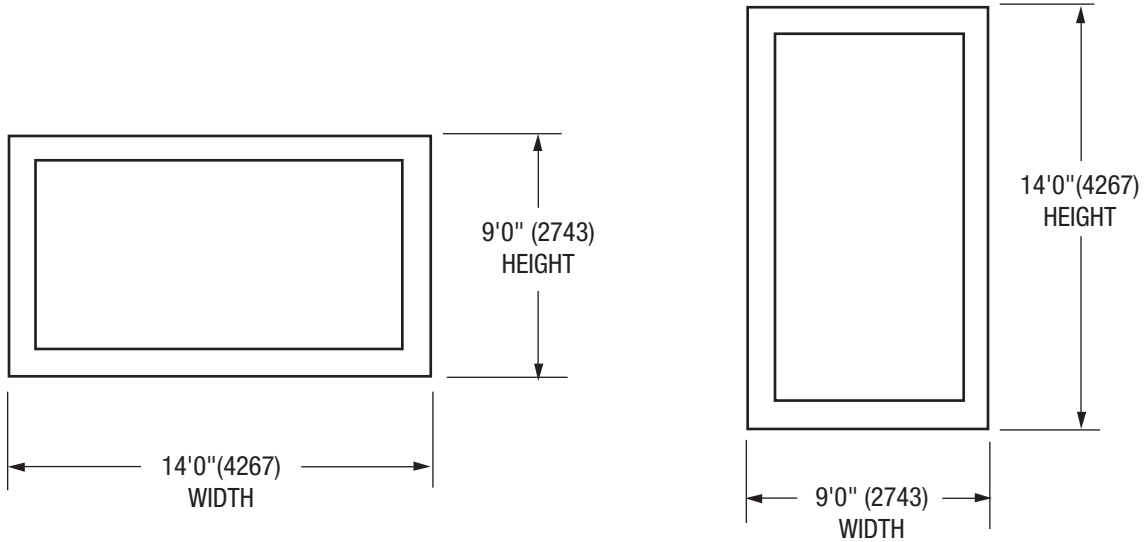
WELD CODE EBE



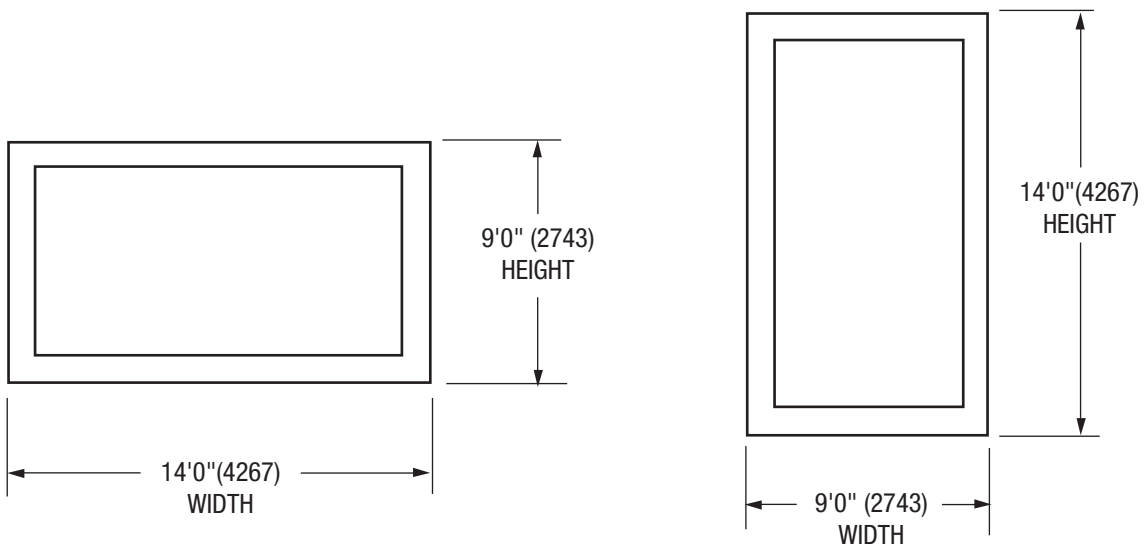
June, 2010

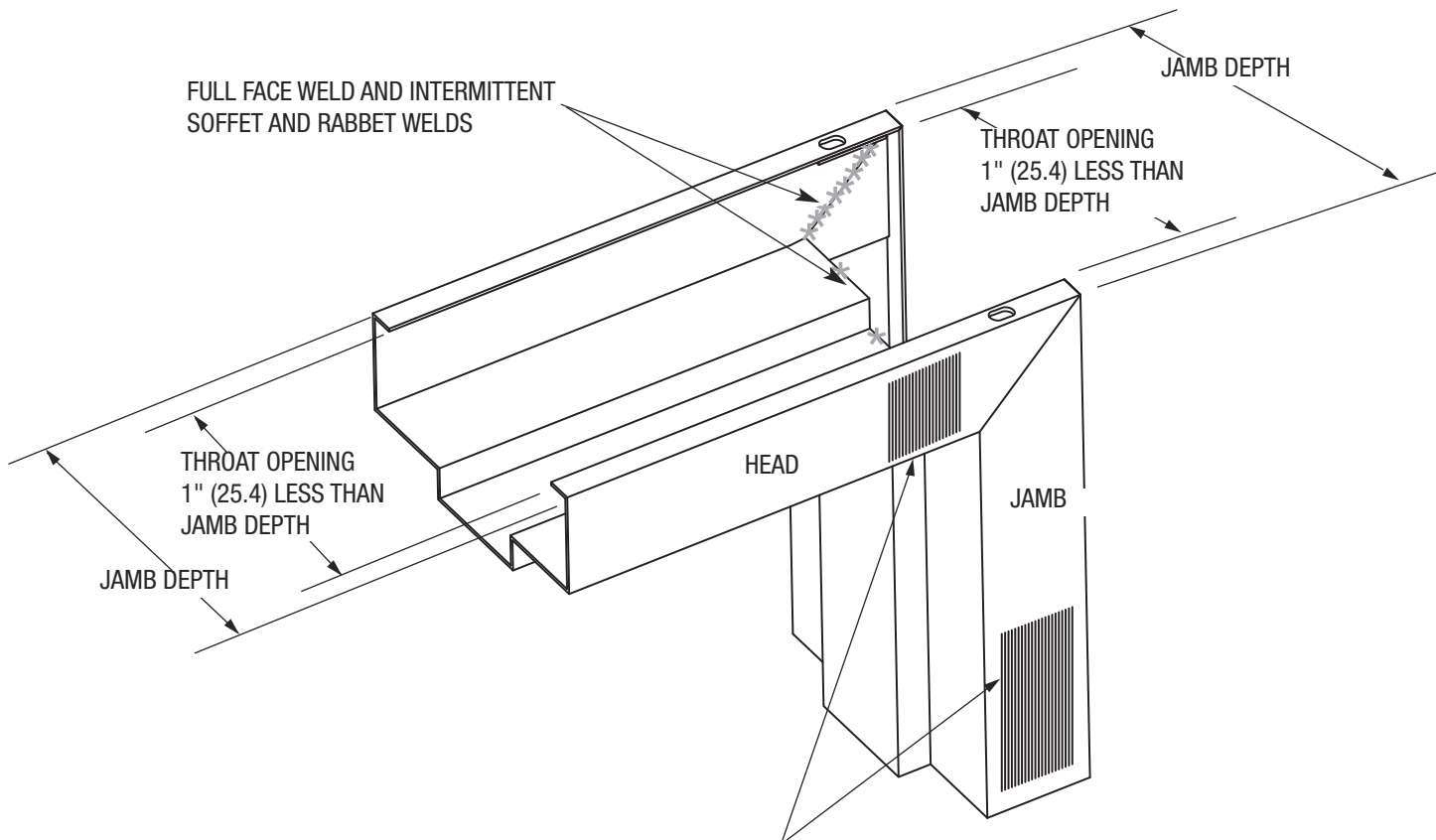
FRAMES FACTORY WELDED AT CURRIES:

PROVIDE FIELD SPLICES FOR FRAMES THAT EXCEED OVERALL SIZE SHOWN.



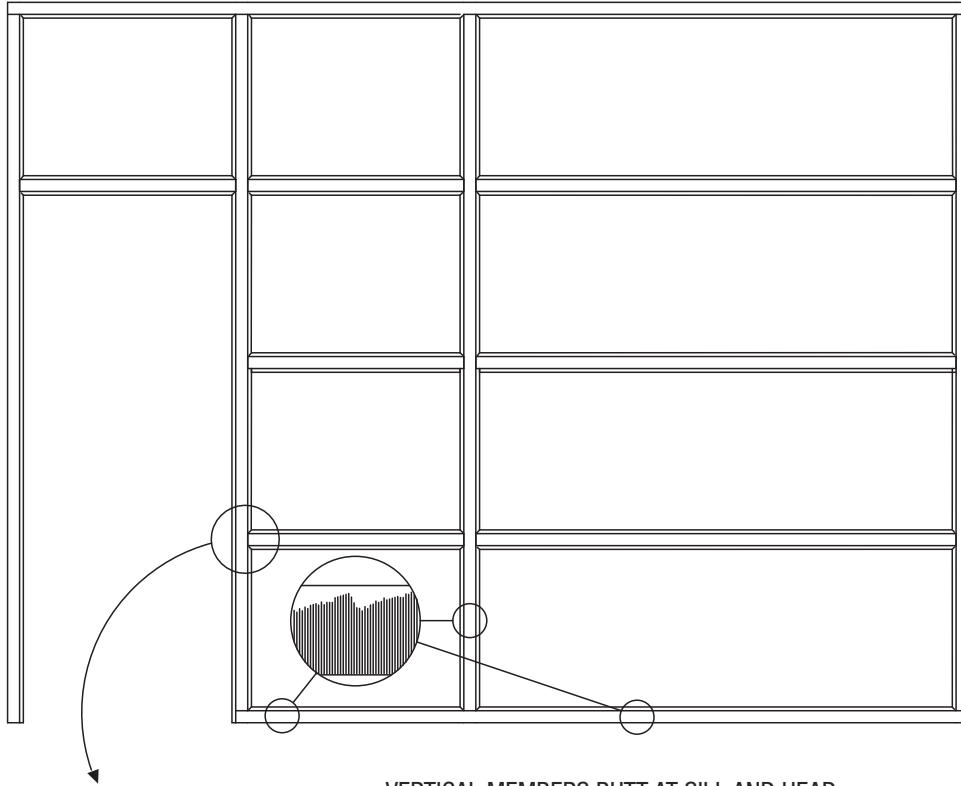
FRAMES FACTORY WELDED AT REGIONAL SERVICE CENTERS:



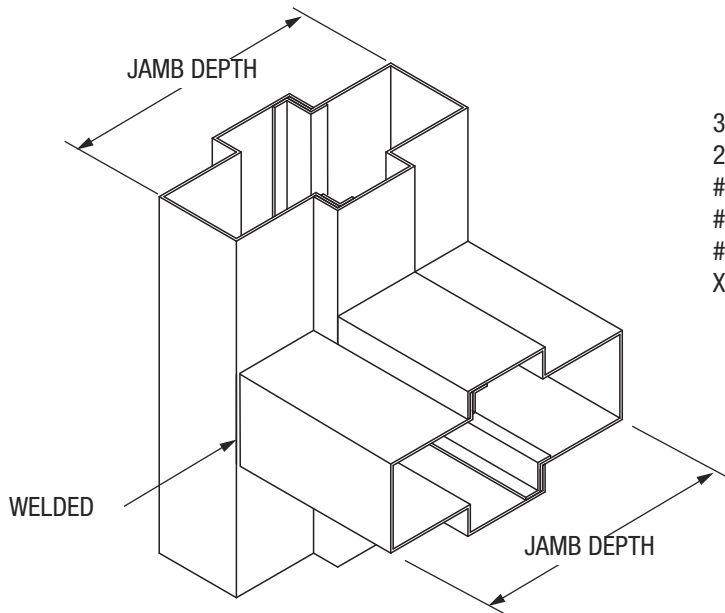


304 OR 316 STAINLESS STEEL FINISH:
2B MILL
#4 BRUSHED SATIN
#6 FINE SATIN
#8 MIRROR
XLB XL BLEND

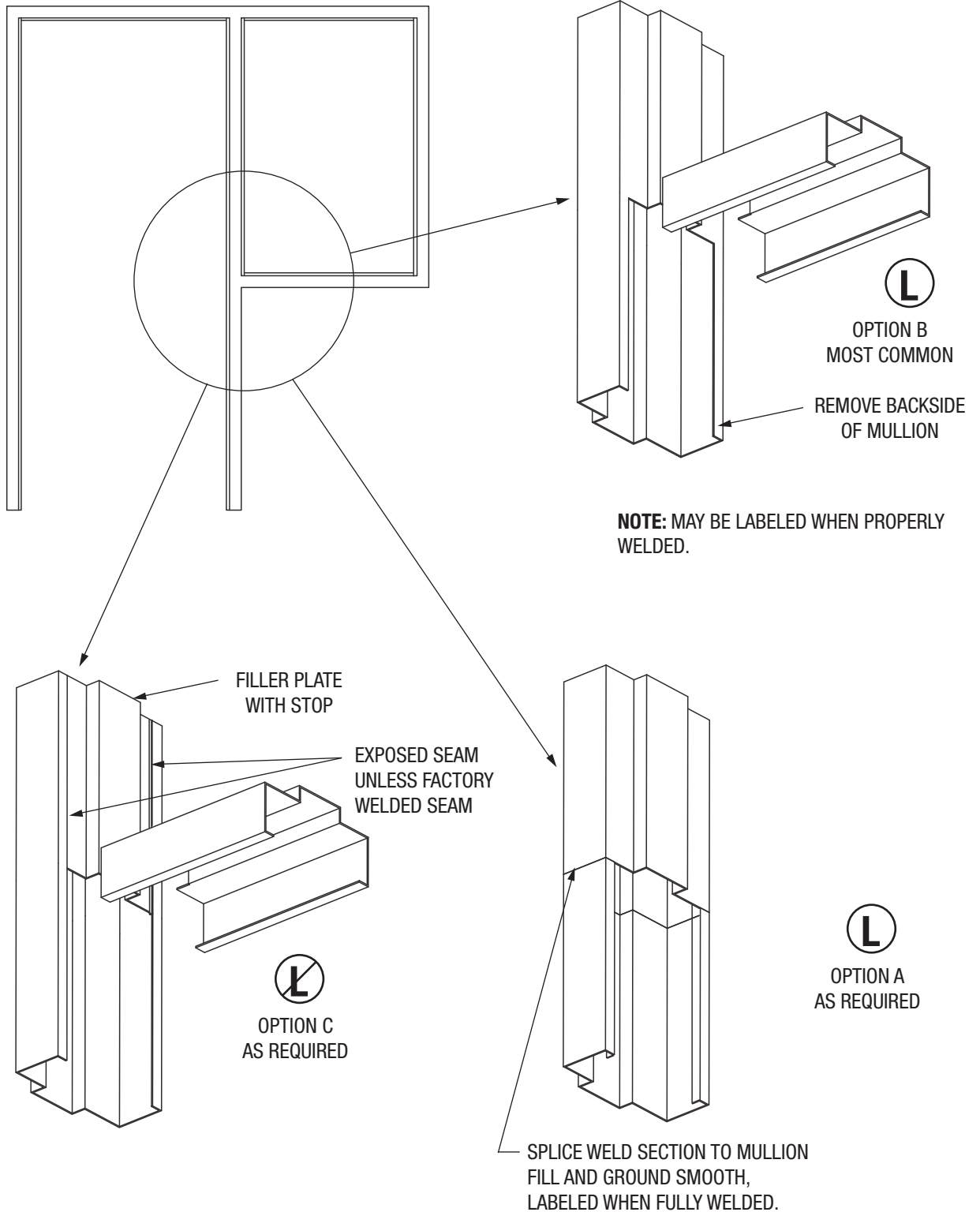
February, 2014



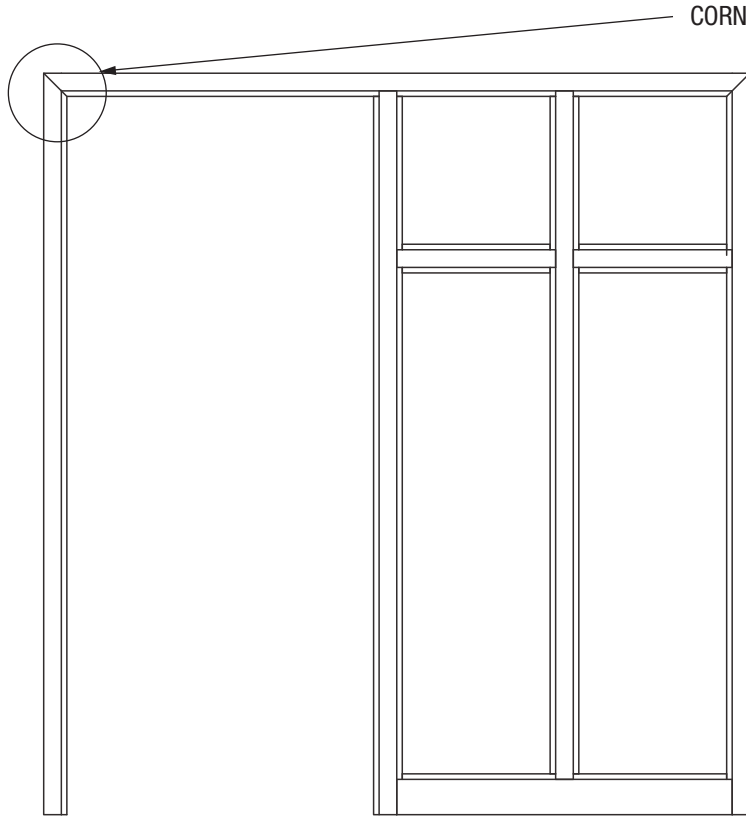
VERTICAL MEMBERS BUTT AT SILL AND HEAD



- 304 OR 316 STAINLESS STEEL FINISH:
- 2B MILL
- #4 BRUSHED SATIN
- #6 FINE SATIN
- #8 MIRROR
- XLB XL BLEND



April, 2002



CORNER: KD STANDARD WHEN POSSIBLE

MUST MEET KD PARAMETERS

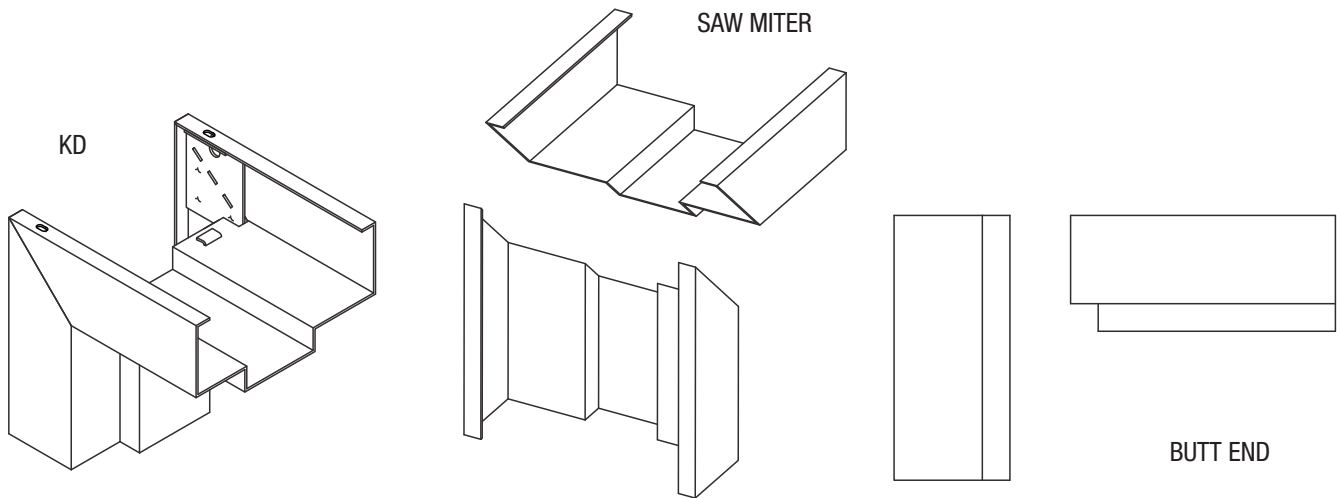
SAW MITER:* IF FACES OF HEAD AND JAMB ARE EQUAL

- 1. EXCEPT: 4" (101.6) FACE HEAD TO 2" (50.8) FACE JAMB

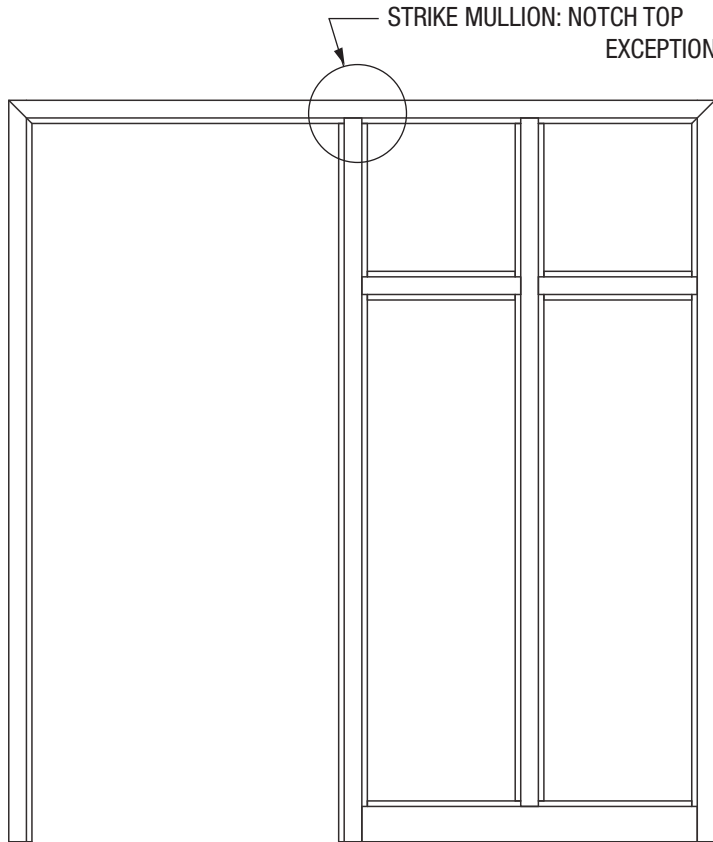
BUTT END:* IF FACES ARE UNEQUAL

* SMO OR SBE MUST BE NOTED IN CONSTRUCTION COLUMN.

NOTE: MAY BE LABELED WHEN PROPERLY WELDED

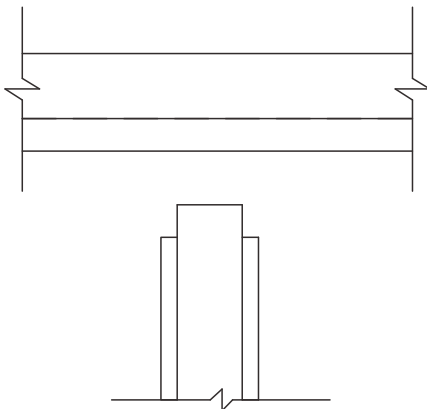


NOTE: MAY BE LABELED WHEN FACE WELDED

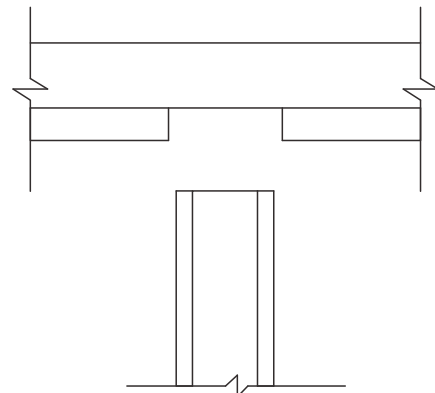


WILL RUN THROUGH HEAD IF HEAD PROFILE IS DIFFERENT ON GLASS SIDE
EXAMPLE: "M" PROFILE AT DOOR OPENING
"G" PROFILE AT WINDOW SIDE
RUN MULLION THROUGH IF HEAD FACES ARE DIFFERENT FROM DOOR SIDE TO GLASS SIDE OR IF FIELD SPLICE IS REQUIRED

NOTE: MAY BE LABELED WHEN PROPERLY WELDED



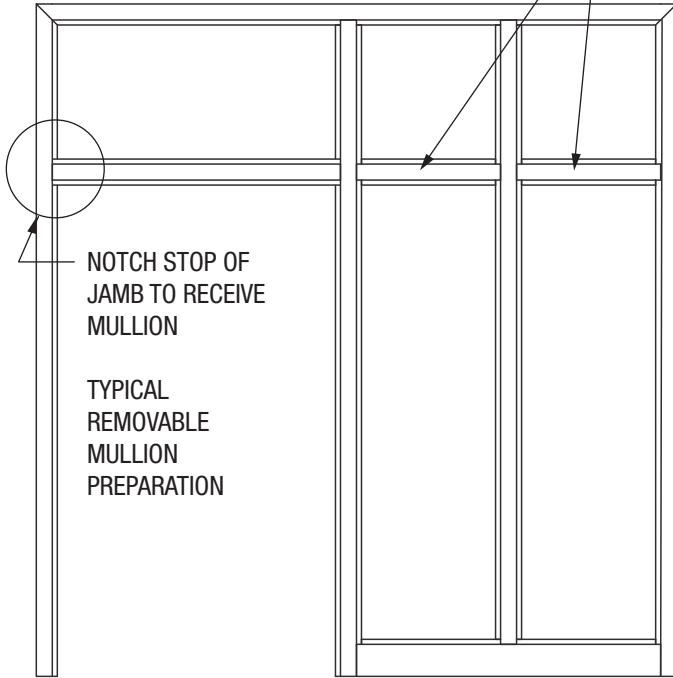
NOTE: PROVIDES ACCESS FOR ELECTRICAL CONDUIT OR GROUT



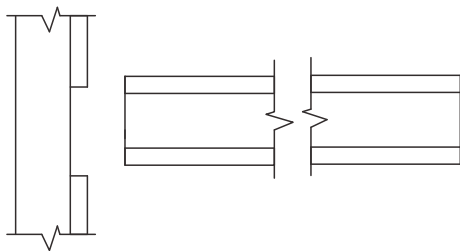
April, 2002



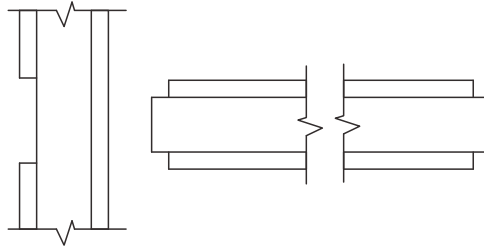
HORIZONTAL MULLION: NOTCH BOTH ENDS TO BUTT BETWEEN VERTICAL MEMBERS IS STANDARD PREPARATION



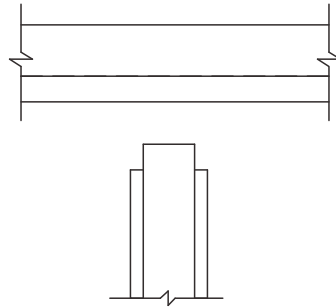
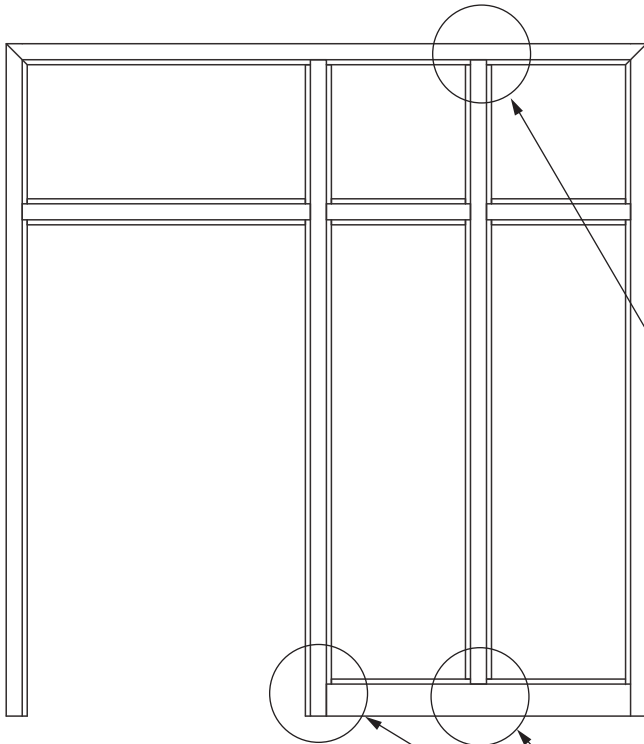
NOTE: MAY BE LABELED WHEN PROPERLY WELDED



OPTIONAL



STANDARD



MULLION:

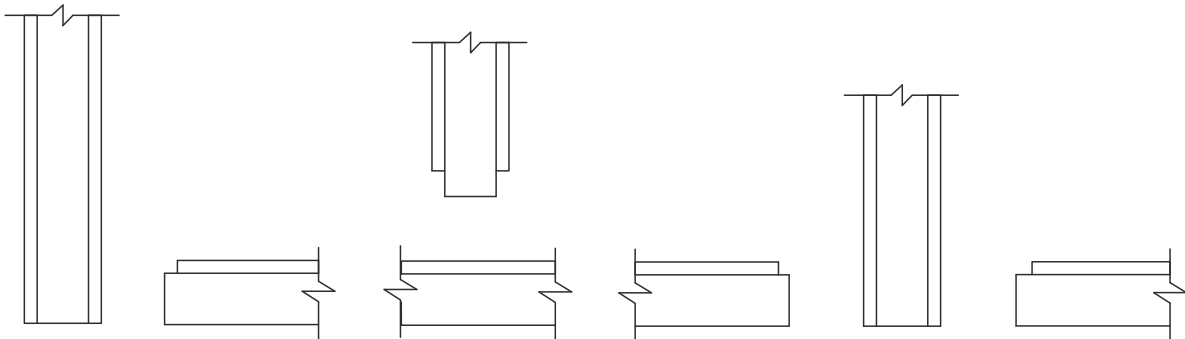
NOTCH TOP AND BOTTOM, WILL RUN THROUGH FROM HEAD TO TOP OF SILL

1. EXCEPTION: WILL RUN MULLION THROUGH TO FLOOR RATHER THAN SPLICE 2 SECTIONS OF SILL TOGETHER
2. EXCEPTION: RUN MULLION THROUGH HEAD AND SILL IF FIELD SPLICE IS REQUIRED

NOTE: MAY BY LABELED WHEN PROPERLY WELDED

SILLS:

NOTCH BOTH ENDS TO BUTT BETWEEN VERTICAL MEMBERS

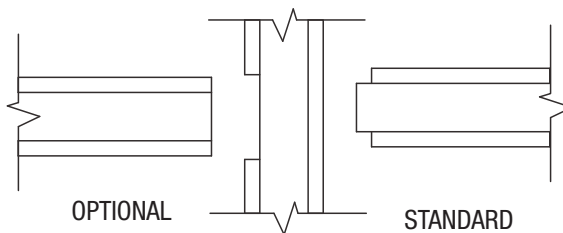
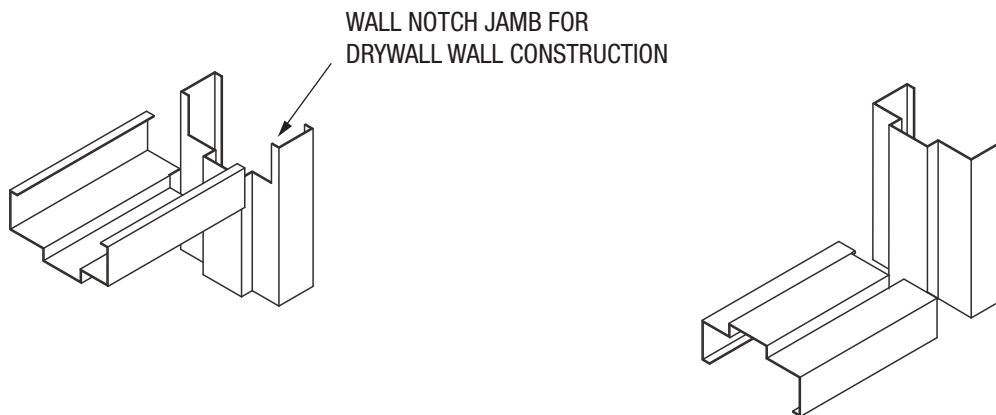


STANDARD

STANDARD

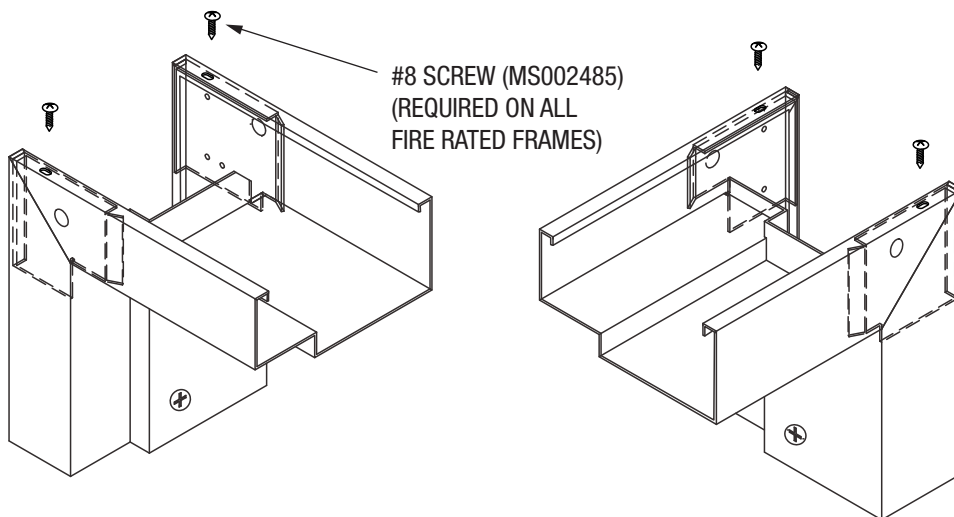
OPTIONAL

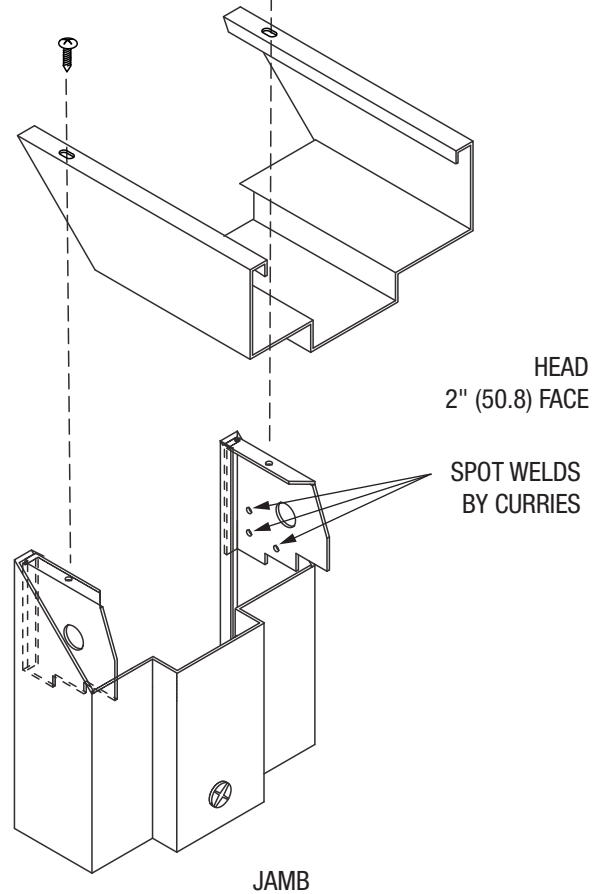
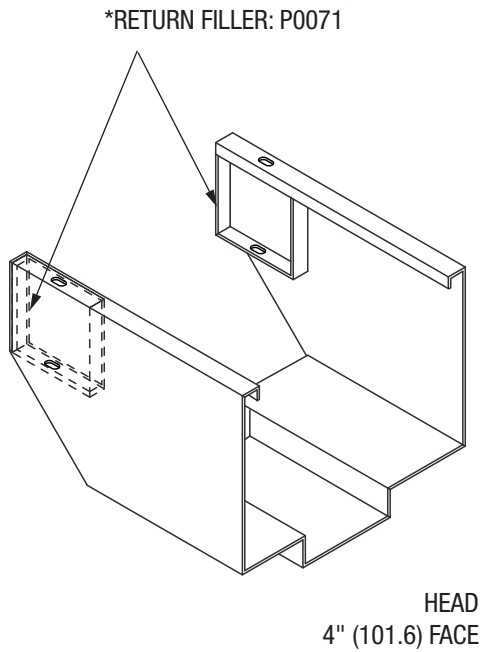
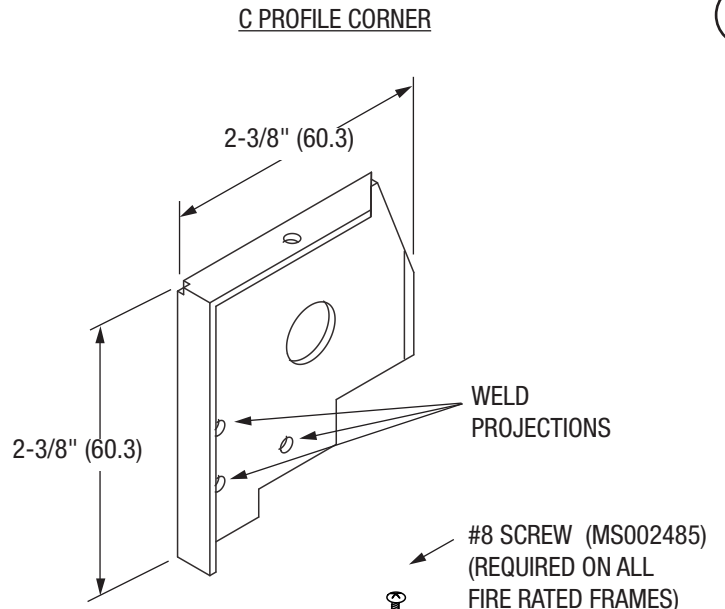
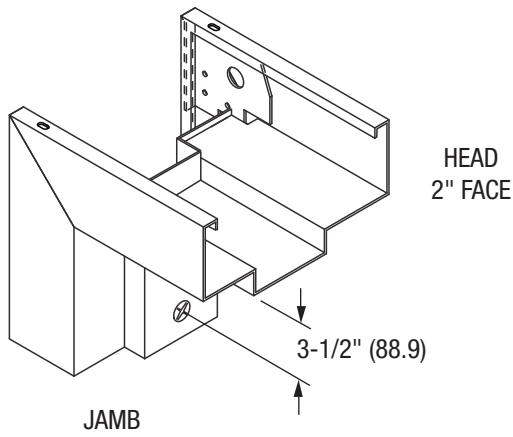
June, 2009



**NOTE: MAY BE LABELED
WHEN PROPERLY WELDED**

Drywall KD "CG" Profile Corner Details

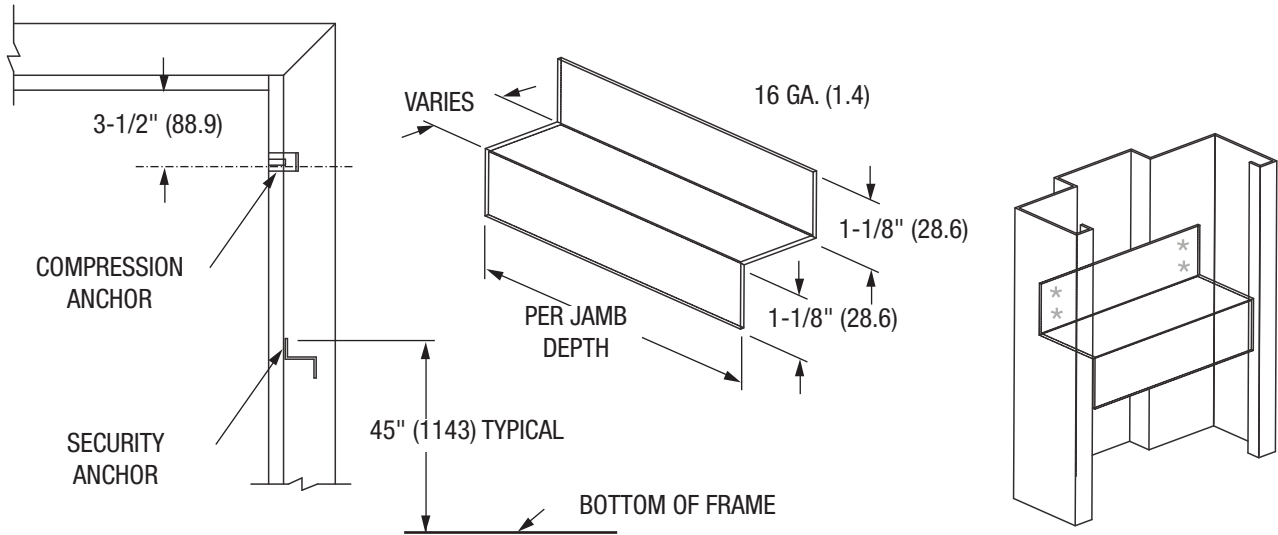




April, 2002



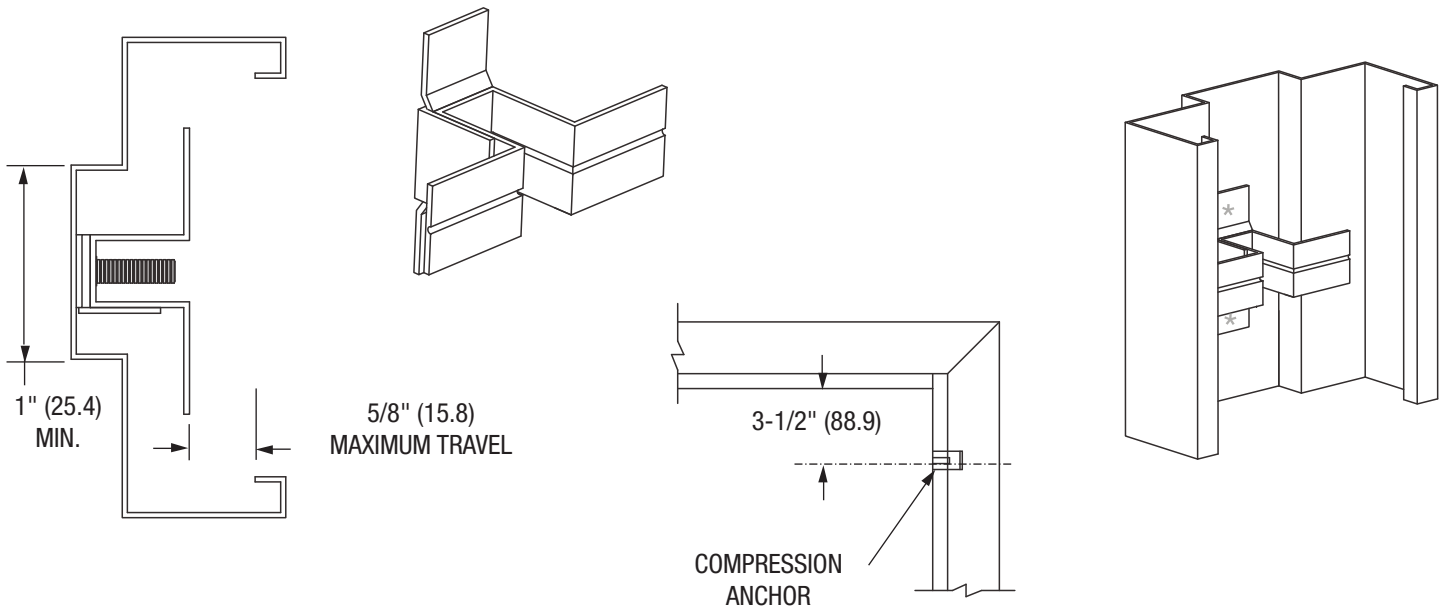
ANCHOR PART NUMBER: P0028

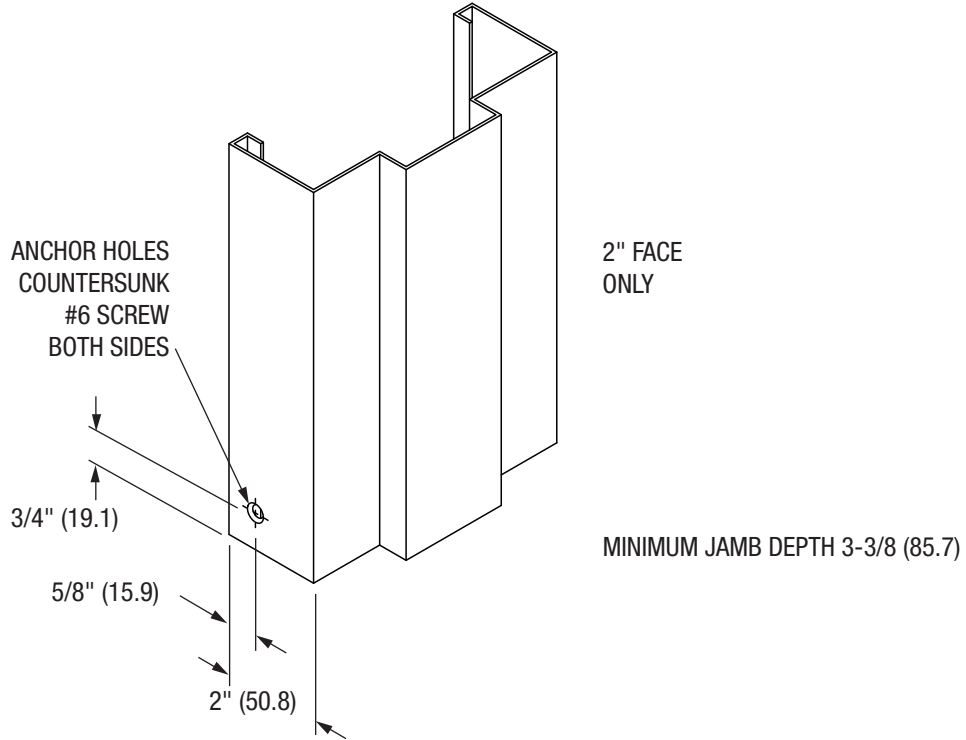


Drywall Frame Compression Anchor

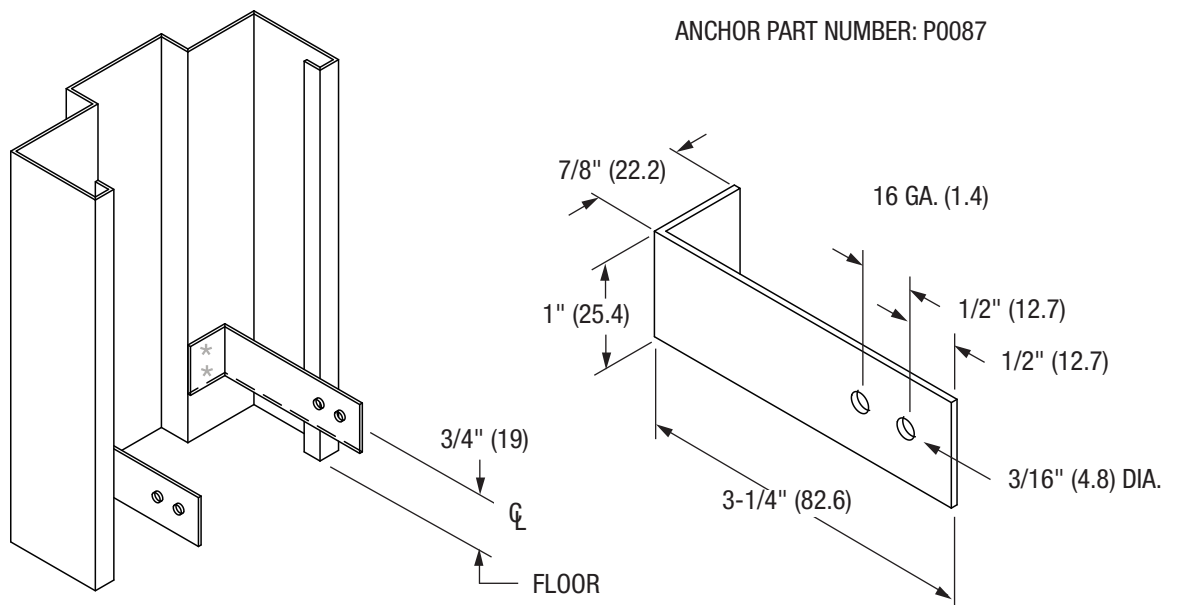


ANCHOR PART NUMBER: P0026 (2" FACE)
ANCHOR PART NUMBER: P0018 (1-1/2" TO 1-3/4" FACE)



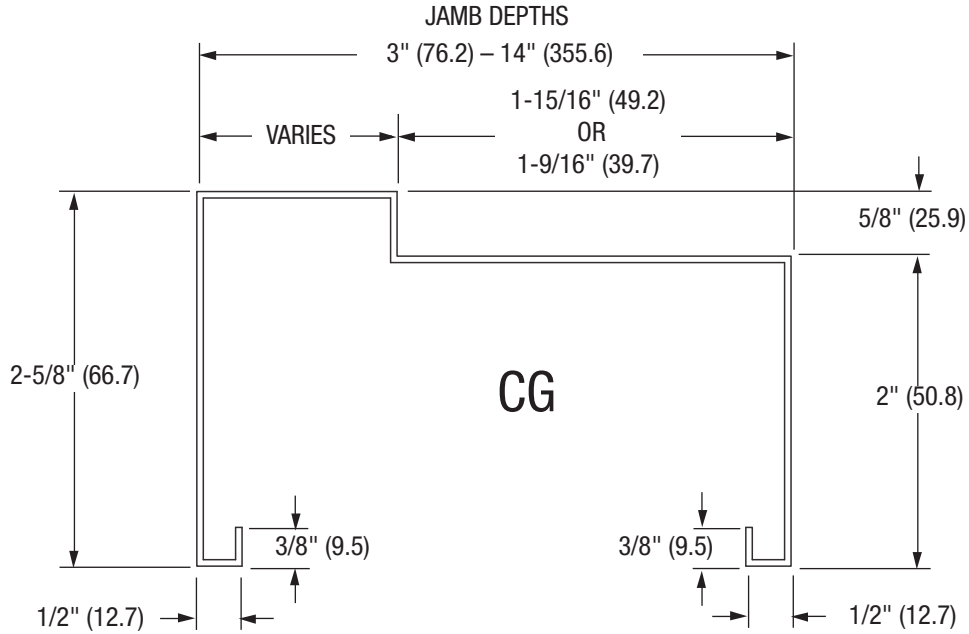


Drywall KD Frame Optional Base Anchor



NOTE: REQUIRED ON 1-1/2" (38.1), 1-3/4" (44.5) FACE DRYWALL FRAMES. 3", 3-1/8", 3-1/4", JAMB DEPTHS.

April, 2002



GAUGE - 18 GA. (1.2), 16 GA. (1.4)

NOTE: AVAILABLE WITH 4" (101.6) FACE HEAD WITH 4-1/2" (114.3) MINIMUM JAMB DEPTH

Compression Anchor System Narrow Jamb Depth

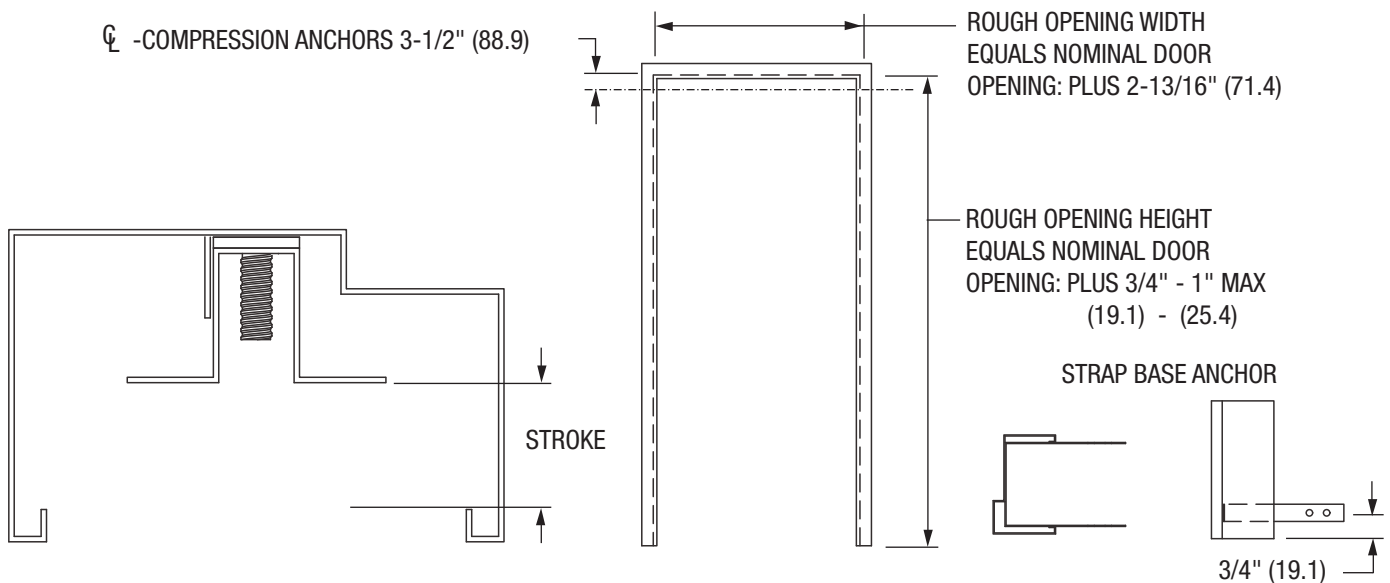


CG PROFILE *

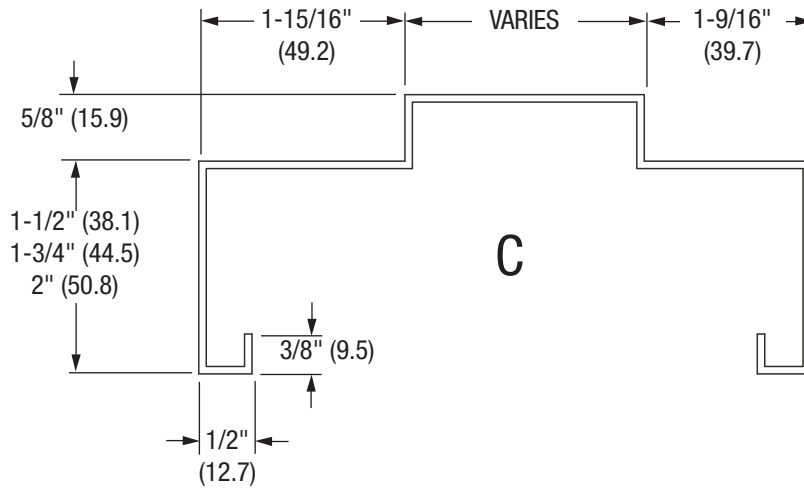
1-3/8" (34.9) DOOR - 3" (76.2) JAMB DEPTH

1-3/4" (44.5) DOOR - 3" (76.2), 3-1/8" (79.4), 3-1/4" (82.6), 3-3/8" (85.7) JAMB DEPTH

CL - COMPRESSION ANCHORS 3-1/2" (88.9)

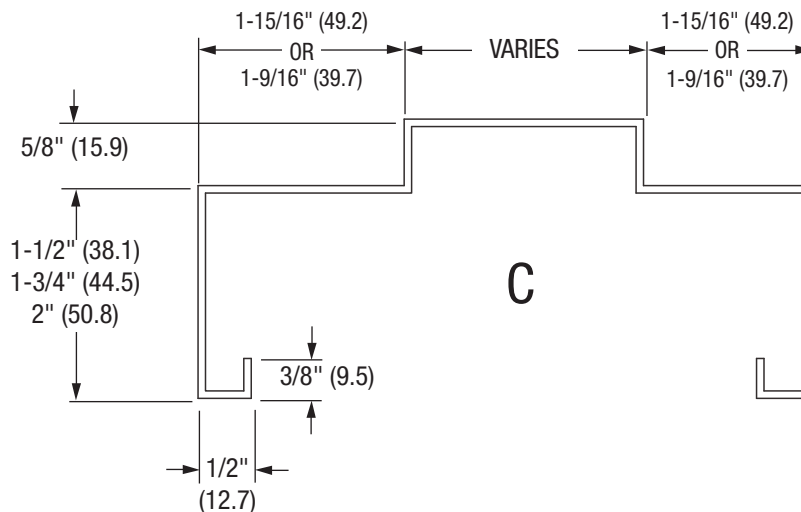


* "CG" PROFILE JAMB DEPTHS NOT LISTED ABOVE USE STD. DRYWALL ROUGH OPENING DIMENSIONS



KD DRYWALL
GAUGE - 18 GA. (1.2), 16 GA. (1.4), 14 GA. (1.9) *
UNEQUAL RABBET
JAMB DEPTH 4-1/2" (114.3) THRU 14" (355.6) (1/8" (3.2) INCREMENTS)
2" (50.8) FACE AVAILABLE WITH 4" (101.6) HEADS
NOTE: 14 GA. AVAILABLE WITH 2" (50.8) FACE ONLY

Drywall KD Frame Equal Rabbet

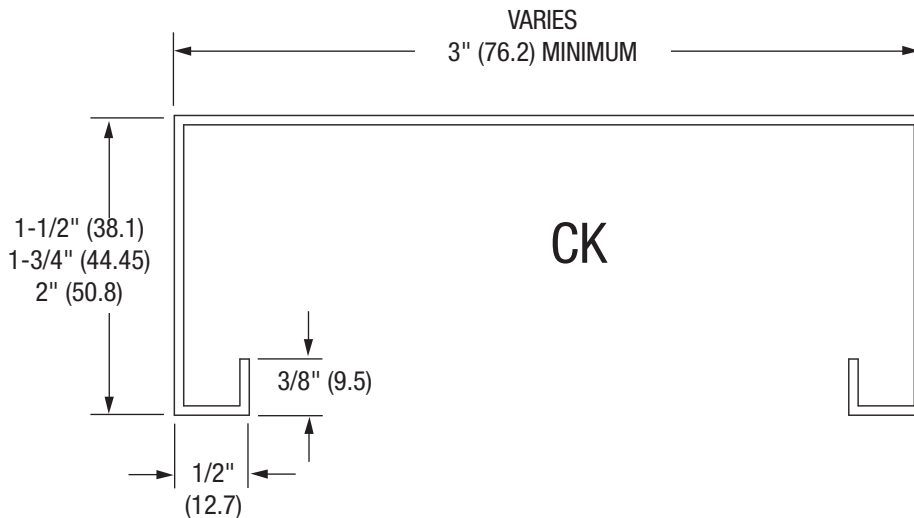


KD DRYWALL
GAUGE - 18 GA. (1.2), 16 GA. (1.4), 14 GA. (1.9) *
UNEQUAL RABBET
JAMB DEPTH 4-7/8" (123.8) THRU 14" (355.6) (1/8" (3.2) INCREMENTS)
2" (50.8) FACE AVAILABLE WITH 4" (101.6) HEADS
AVAILABLE IN COMMUNICATING FRAMES
NOTE: 14 GA. AVAILABLE WITH 2" (50.8) FACE ONLY

Drywall KD Frame Cased Opening

Frame Technical Data

April, 2002



KD DRYWALL

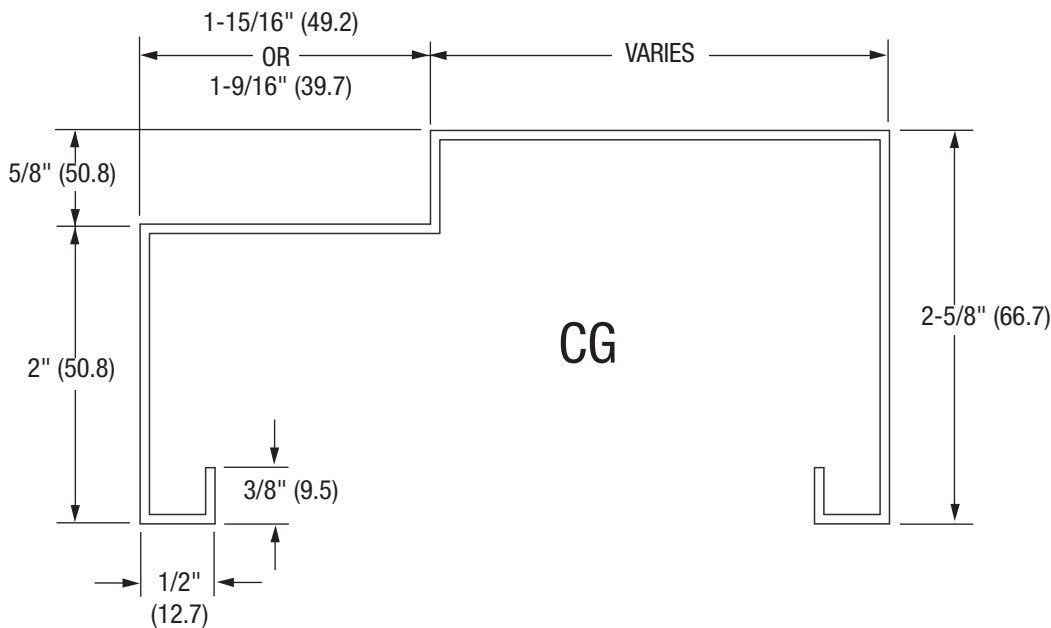
GAUGE - 18 GA. (1.2), 16 GA. (1.4), 14 GA. (1.9)

JAMB DEPTH 3" (76.2) THRU 14" (355.6) (1/8" (3.2) INCREMENTS)

14 GA. AVAILABLE W/2" FACE ONLY

NOTE: AVAILABLE WITH 4" (101.6) FACE HEAD WITH 4-1/2" (114.3) MINIMUM JAMB DEPTH WITH 2" FACE JAMBS ONLY.

Drywall KD "CG" Profile Frame



KD "CG" PROFILE DRYWALL

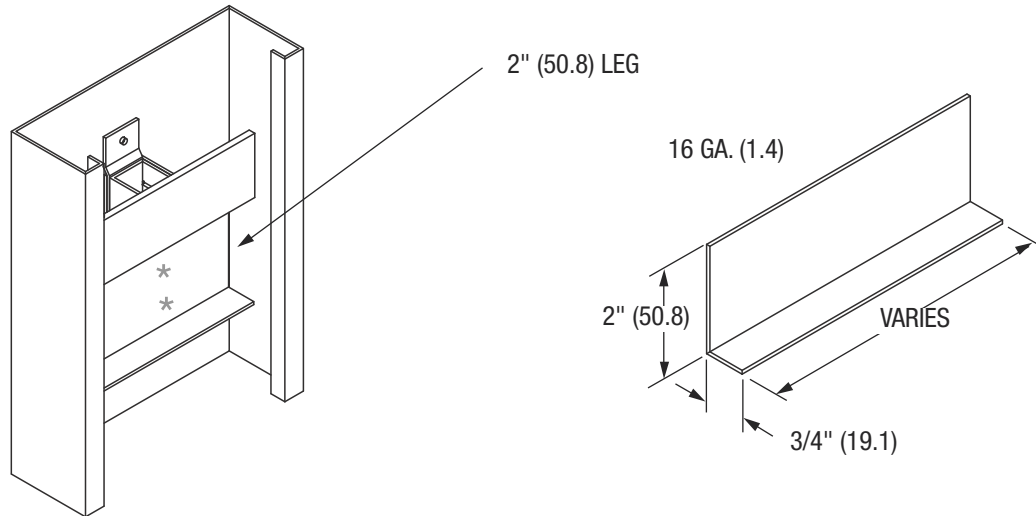
GAUGE - 18 GA. (1.2), 16 GA. (1.4)

JAMB DEPTH 3" (76.2) THRU 14" (355.6) (1/8" (3.2) INCREMENTS)

NOTE: 2" (50.8) AND 2-5/8" (66.7) FACE ONLY

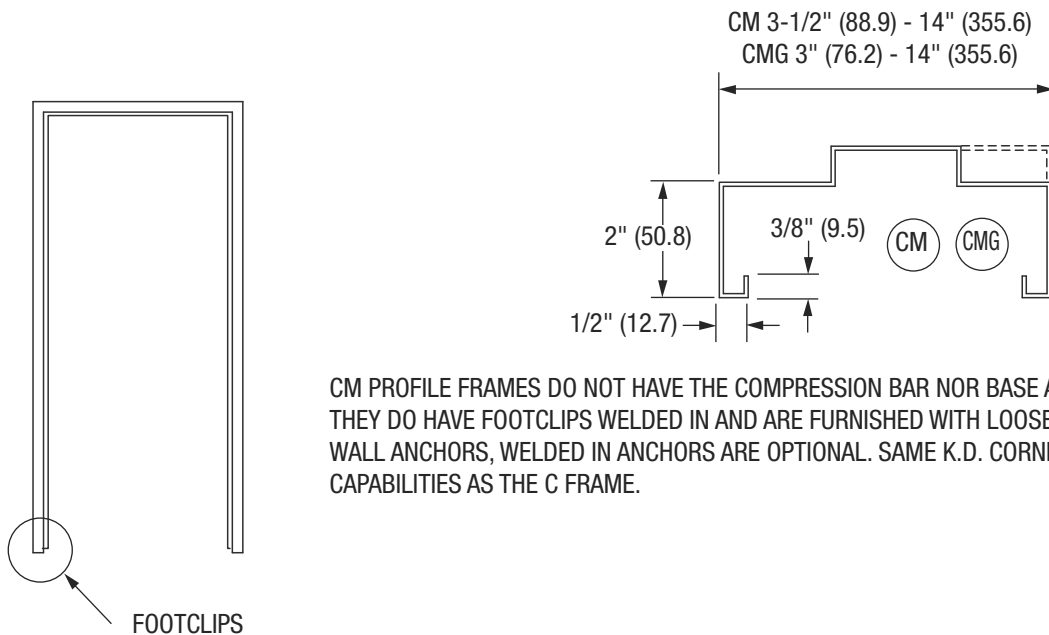


STIFFENER PART NUMBER: P0093



NOTE: STIFFENER ADDED TO PREVENT DISTORTION OF FRAME WHEN TIGHTENING ANCHOR

CM Profile Frames



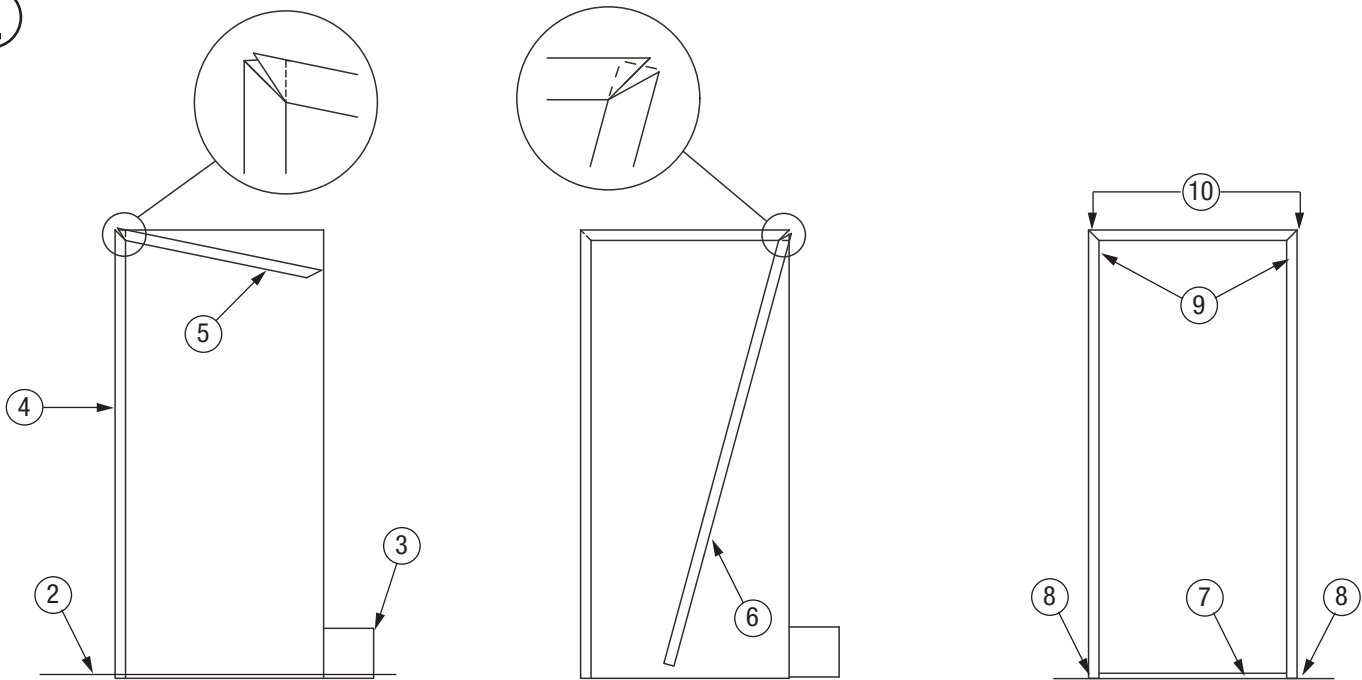
CM PROFILE FRAMES DO NOT HAVE THE COMPRESSION BAR NOR BASE ANCHORS. THEY DO HAVE FOOTCLIPS WELDED IN AND ARE FURNISHED WITH LOOSE DRY-WALL ANCHORS, WELDED IN ANCHORS ARE OPTIONAL. SAME K.D. CORNER CAPABILITIES AS THE C FRAME.

40 Drywall KD Frame ("C" Profile) Installation Instructions

Frame Technical Data

July, 2009

L

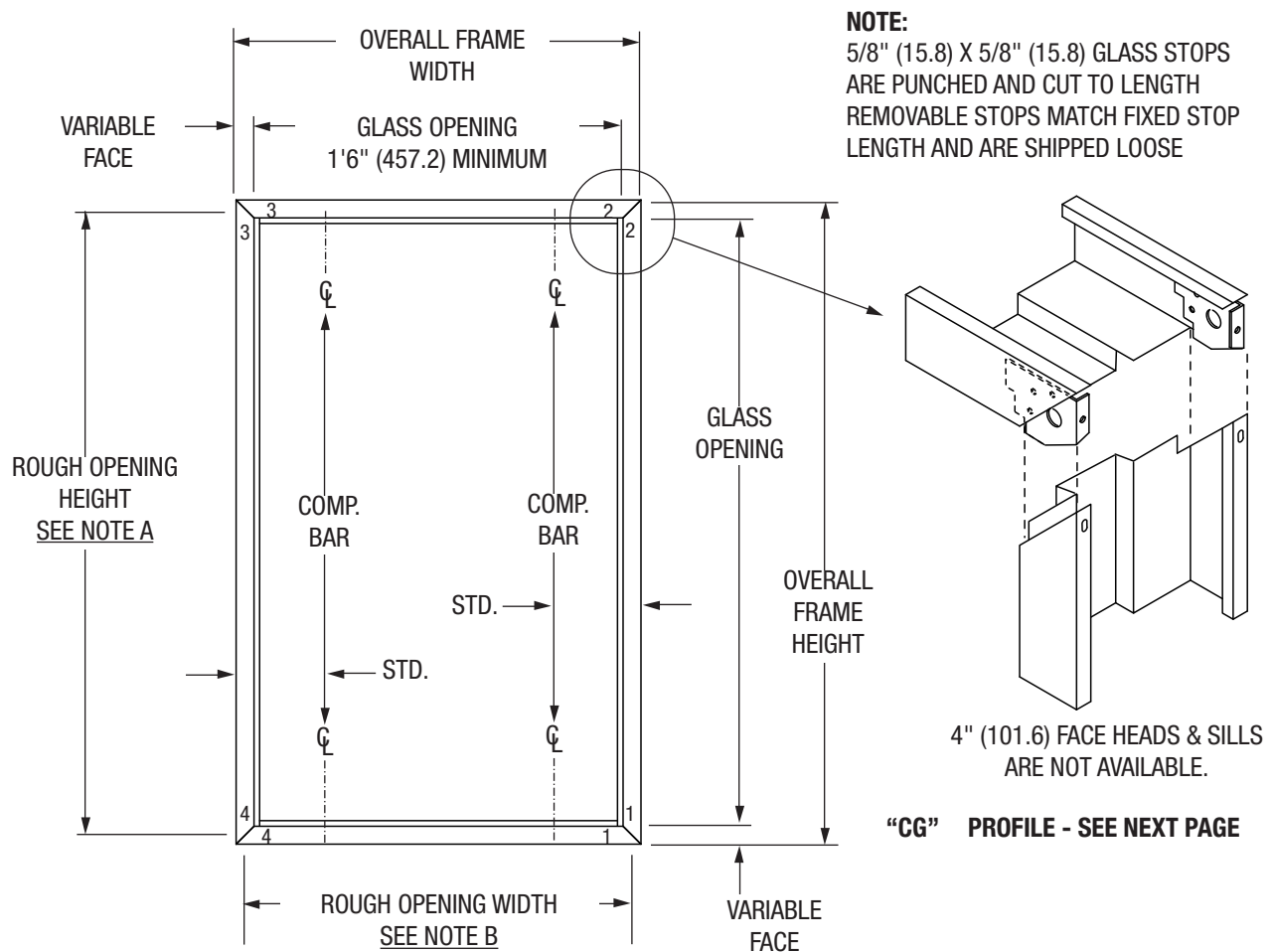


1. CONSTRUCT WALL WITH ROUGH OPENING HEIGHT EQUAL TO FINISHED OPENING HEIGHT PLUS 3/4" (19.1) TO 1" (25.4) MAX., ROUGH OPENING WIDTH IS AS FOLLOWS:
 - A) FOR 2" (50.8) FACE FRAMES-OPENING WIDTH PLUS 2-1/8" (54.0) TO 2-3/8" (60.3)
 - B) FOR 1-3/4" (44.5) AND 1-1/2" (38.1) FACE FRAMES-OPENING WIDTH PLUS 2" (50.8)
 - C) FOR "C" AND "CG" PROFILES, 3" (76.2) JAMB DEPTH 1-9/16" (39.7) RABBET AND 3" (76.2), 3-1/8" (79.4), 3-1/4" (82.6) AND 3-3/8" (85.7) JAMB DEPTH 1-15/16" (49.2) RABBET FRAMES-OPENING WIDTH PLUS 2-13/16" (71.4), ALL OTHER "C" AND "CG" PROFILE FRAMES-OPENING WIDTH PLUS 2-1/8" (54.0) TO 2-3/8" (60.3)
 - d) FOR 2" (508) FACE CASED OPENING - OPENING WIDTH PLUS 2-1/4" (57.2)
2. BOTTOM OF FRAME MUST SET ON A SOLID SURFACE.
3. IF WRAP-AROUND BASE ANCHOR IS USED, NOTCH DRYWALL IN THAT AREA.
4. RETRACT COMPRESSION BARS IN THE JAMBS BY TURNING SCREWS COUNTER CLOCKWISE AND INSTALL ONE JAMB IN POSITION ON WALL.
5. INSERT FRAME HEAD UNDER THE CORNER CLIPS OF THE JAMB AND RAISE INTO POSITION.
6. INSERT THE CORNER CLIPS OF THE REMAINING JAMB INTO THE OPPOSITE END OF THE HEAD AND POSITION JAMB ON WALL.
7. LOCATE A REMOVABLE FRAME SPACING BAR AT BASE OF CENTERED FRAME TO MAINTAIN PROPER OPENING WIDTH DURING INSTALLATION.
8. LEVEL, SQUARE AND PLUMB FRAME AND INSTALL BASE ANCHOR SCREWS THROUGH COUNTERSINK HOLES IN FRAME FACE AND INTO FLOOR PLATE.
9. SQUARE TOP OF FRAME AND TIGHTEN COMPRESSION BARS BY TURNING SCREWS CLOCKWISE. (DO NOT OVERTIGHTEN).
10. INSTALL (4) NO. 8 X 1/2" (12.7) SHEET METAL SCREWS AT THE CORNERS OF THE HEAD TO ATTACH HEAD TO JAMBS (REQUIRED FOR FIRE RATED FRAMES).

July, 2007



- NOTE A:** ROUGH OPENING HEIGHT FOR 2" (50.8) FACE FRAMES EQUALS
GLASS OPENING SIZE PLUS 2-1/2" (63.5) INCLUDING CASSED OPENING
NOTE A: ROUGH OPENING HEIGHT FOR 1-1/2" (38.1) & 1-3/4" (44.5) FACE FRAMES
EQUALS GLASS OPENING SIZE PLUS 2" (50.8)
- NOTE B:** ROUGH OPENING WIDTH FOR 2" (50.8) FACE FRAMES EQUALS
GLASS OPENING SIZE PLUS 2-1/2" (63.5) INCLUDING CASSED OPENING
ROUGH OPENING WIDTH FOR 1-1/2" (38.1) & 1-3/4" (44.5) FACE FRAMES
EQUALS GLASS OPENING SIZE PLUS 2" (50.8)



KD BORROWED LITE (DRYWALL FRAME ONLY)

ORDER OF INSTALLATION - A) PLACE RIGHT SIDE VERTICAL JAMB MEMBER INTO OPENING; B) INSTALL SILL MEMBER AND ASSEMBLE CORNER #1; C) THEN INSTALL HEAD MEMBER AND ASSEMBLE CORNER #2 D) WHILE INSTALLING THE REMAINING LEFT VERTICAL JAMB MEMBER IT MAY BE NECESSARY TO EXTEND THE HEAD (CORNER #3) AND SILL (CORNER #4) TO THEIR ROUGH OPENING LIMITATIONS FOR EASIER INSTALLATION; E) THEN ASSEMBLE CORNER #3 AND FINALLY SNAP INTO POSITION THE REMAINING CORNER #4; F) INSTALL SCREWS THROUGH FRAME RETURNS INTO CORNER CLIPS; G) ADJUST COMPRESSION BARS UNTIL LEVEL AND PLUMB.

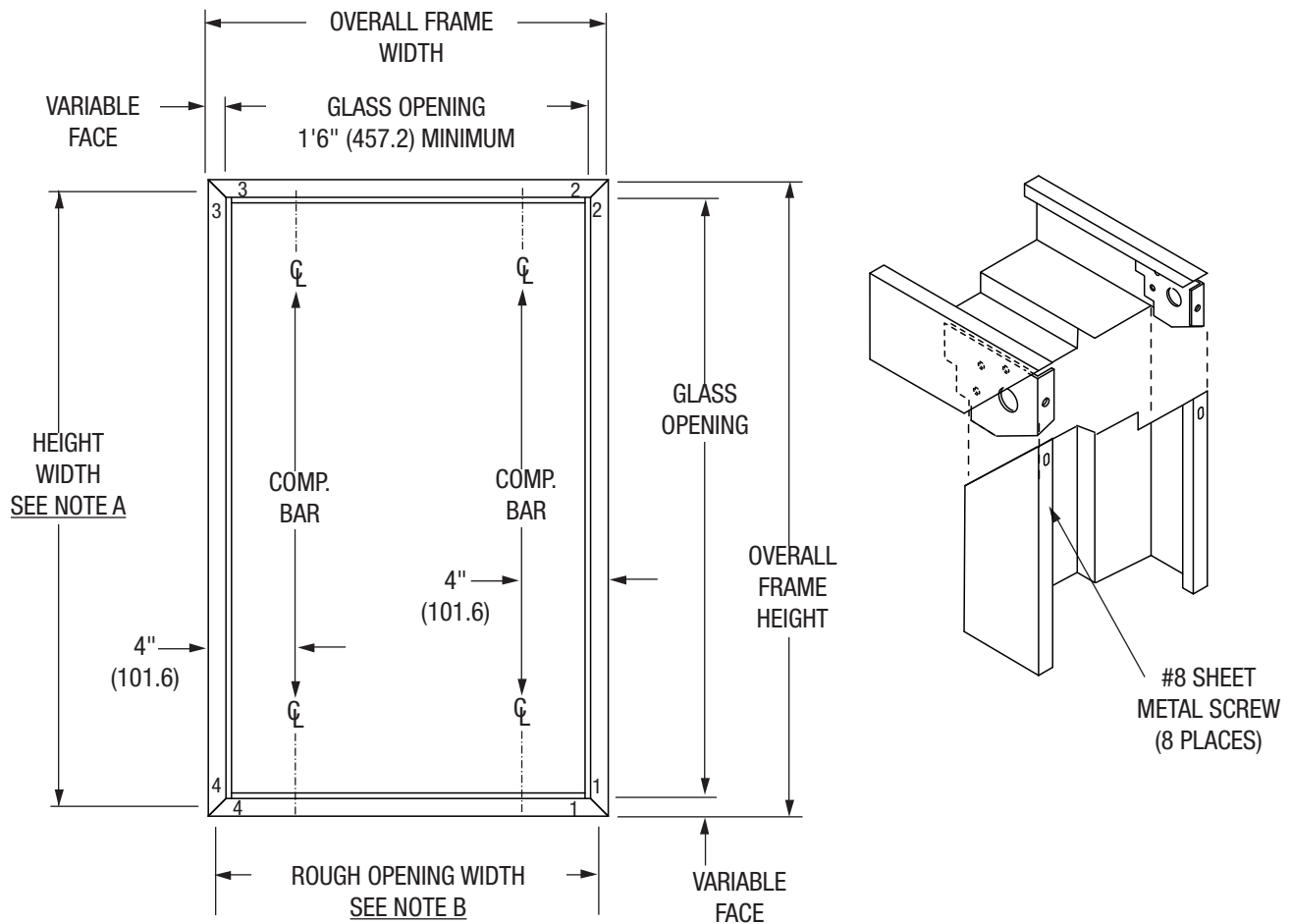
July, 2007

**“CG” PROFILE - COMPRESSION BAR RABBET MOUNTED.**

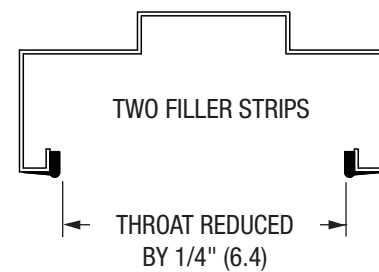
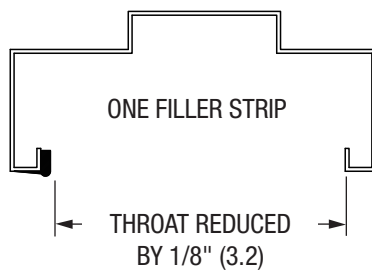
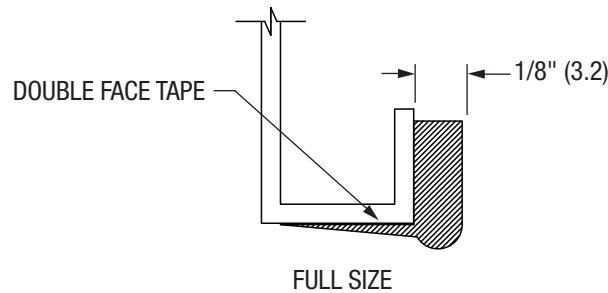
JAMB DEPTHS INCLUDE 3" (76.2), 3-1/8" (79.4), 3-1/4" (82.5), 3-3/8" (85.7) X 1-15/16" (49.2) RABBET
AND 3" (76.2) X 1-9/16" (39.7) RABBET

NOTE A: ROUGH OPENING HEIGHT FOR 2" (50.8) FACE FRAMES EQUALS
GLASS OPENING SIZE PLUS 2-3/4" (69.8)

NOTE B: ROUGH OPENING WIDTH FOR 2" (50.8) FACE FRAMES EQUALS
GLASS OPENING SIZE PLUS 2-1/2" (63.5)

**KD BORROWED LITE (DRYWALL FRAME ONLY)**

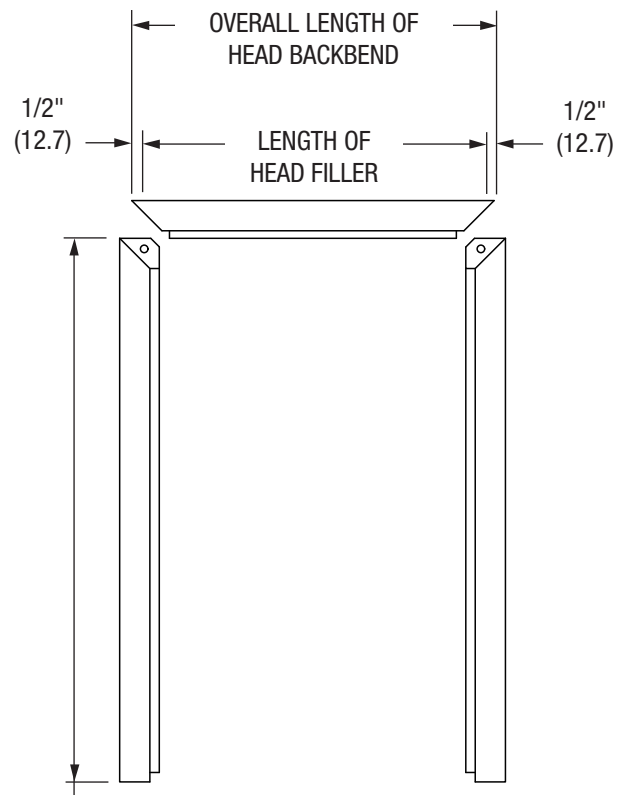
ORDER OF INSTALLATION - A) PLACE RIGHT SIDE VERTICAL JAMB MEMBER INTO OPENING; B) INSTALL SILL MEMBER AND ASSEMBLE CORNER #1; C) THEN INSTALL HEAD MEMBER AND ASSEMBLE CORNER #2 D) WHILE INSTALLING THE REMAINING LEFT VERTICAL JAMB MEMBER IT MAY BE NECESSARY TO EXTEND THE HEAD (CORNER #3) AND SILL (CORNER #4) TO THEIR ROUGH OPENING LIMITATIONS FOR EASIER INSTALLATION; E) THEN ASSEMBLE CORNER #3 AND FINALLY SNAP INTO POSITION THE REMAINING CORNER #4; F) INSTALL SCREWS THROUGH FRAME RETURNS INTO CORNER CLIPS. G) ADJUST COMPRESSION BARS UNTIL LEVEL AND PLUMB.



THROAT FILLER STRIPS ARE MADE OF WHITE RIGID PVC WITH RESILIENT DOUBLE FACE TAPE FOR APPLICATION TO THE FRAME BACKBEND OR AFTER THE FRAME HAS BEEN INSTALLED.

SUPPLIED IN LENGTHS OF 7 FT. 3 IN. (2209.8) TO ACCOMMODATE MOST JAMB HEIGHTS WITH A CONTINUOUS STRIP.

NOTE: THROAT FILLER IS NOT ALLOWED ON LABEL FRAMES



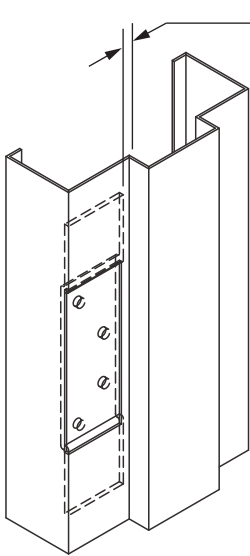
INSTALLATION

1. FOR BEST RESULTS INSTALL FRAME IN OPENING FIRST. DO NOT TIGHTEN COMPRESSION ANCHORS.
2. CUT JAMB FILLER STRIPS TO OVERALL LENGTH OF JAMB BACKBEND. CUT HEAD FILLER STRIP 1" (25.4) UNDER OVERALL LENGTH OF HEAD BACKBEND.
3. REMOVE PROTECTIVE FILM FROM ADHESIVE TAPE AND APPLY FILLER STRIPS TO FRAME BACKBENDS WITH 1/8" (3.2) THICK LEG BETWEEN BACKBEND RETURN AND WALL. APPLY PRESSURE TO SEAT FIRMLY.
4. SQUARE FRAME, TIGHTEN COMPRESSION ANCHORS, INSTALL BASE ANCHORS AND RESEAT FILLER STRIPS IF NECESSARY.

FILLER EQUALS OVERALL LENGTH OF BACKBEND

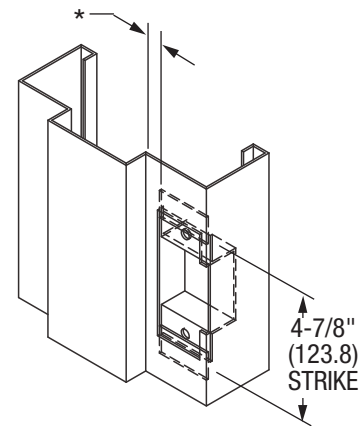
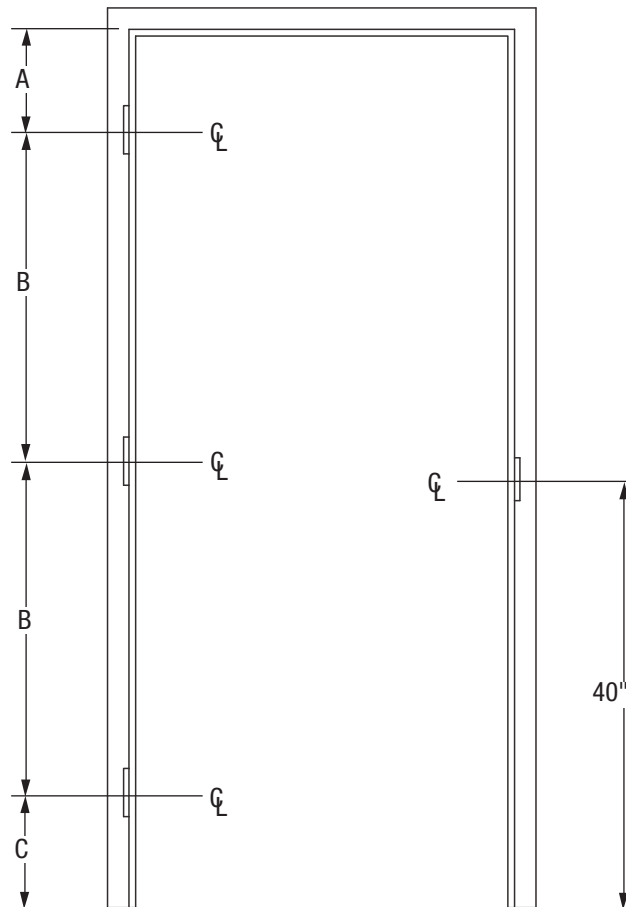
September, 2013

	SIZE	A	B	C
Ⓛ	6'8" (2032)	7-1/4" (184.2)	30-1/4" (768.4)	12-1/4" (311.2)
Ⓛ	6'10" (2082.8)	7-1/4" (184.2)	31-1/4" (793.8)	12-1/4" (311.2)
Ⓛ	7'0" (2133.6)	7-1/4" (184.2)	32-1/4" (819.2)	12-1/4" (311.2)
Ⓛ	7'2" (2184.4)	7-1/4" (184.2)	33-1/4" (844.6)	12-1/4" (311.2)
Ⓛ	7'10" (2387.6)	7-1/4" (184.2)	37-1/4" (946.2)	12-1/4" (311.2)
Ⓛ	8'0" (2438.4)	7-1/4" (184.2)	38-1/4" (971.6)	12-1/4" (311.2)



HINGE SIZE MAY VARY ϕ LOCATION REMAINS THE SAME
 HINGE BACKSET: 5/16" (7.9) FOR 1-3/4" (44.5) DOOR
 5/8" (15.9) FOR 2" (50.8) DOOR
 5/8" (15.9) FOR 2-1/4" (57.2) DOOR
 DOOR RABBETS: 1-15/16" (49.2) FOR 1-3/4" (44.5) DOOR
 2-3/16" (55.6) FOR 2" (50.8) DOOR

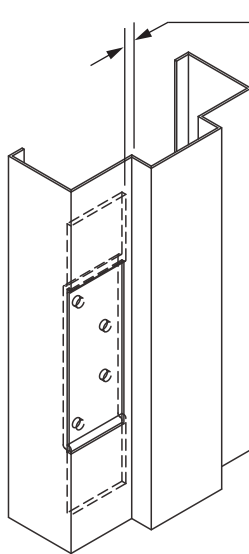
FOR USE WITH THREE HINGES
4-1/2" (114.3) OR 5" (127)



NOTE:
 FOR FRAMES UNDER 60" TALL WE
 WILL CENTER THE STRIKE FOR ALL
 MANUFACTURERS LOCATIONS UNLESS
 NOTED OTHERWISE ON THE ORDER.

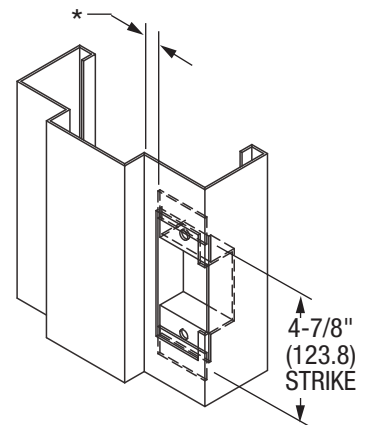
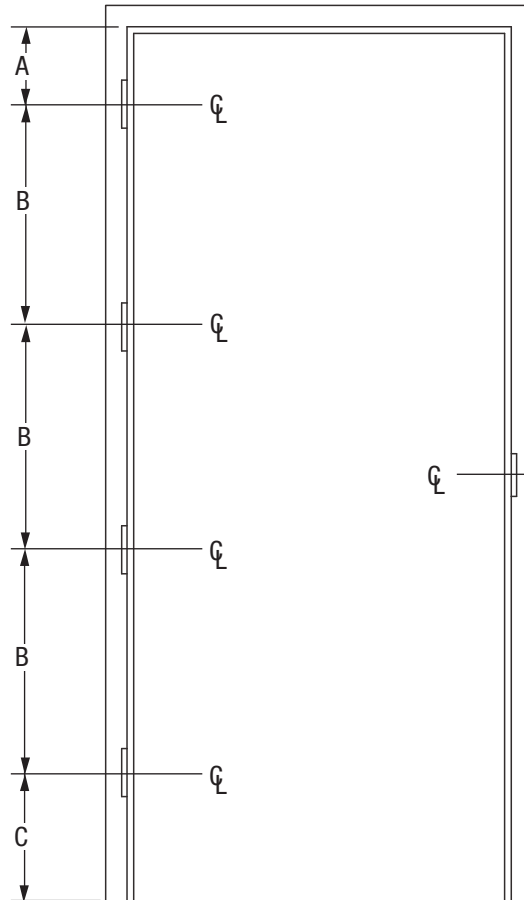
* STRIKE BACKSET: 5/16" (7.9) FOR 1-3/4" (44.5) DOOR
 1/2" (12.7) FOR 2" (50.8) DOOR

	SIZE	A	B	C
Ⓛ	6'8" (2032)	7-1/4" (184.2)	20-1/8" (511.2)	12-3/8" (314.3)
Ⓛ	6'10" (2082.8)	7-1/4" (184.2)	20-7/8" (530.2)	12-1/8" (308)
Ⓛ	7'0" (2133.6)	7-1/4" (184.2)	21-1/2" (546.1)	12-1/4" (311.2)
Ⓛ	7'2" (2184.4)	7-1/4" (184.2)	22-1/8" (562)	12-3/8" (314.3)
Ⓛ	7'10" (2387.6)	7-1/4" (184.2)	24-7/8" (631.8)	12-1/8" (308)
Ⓛ	8'0" (2438.4)	7-1/4" (184.2)	25-1/2" (647.7)	12-1/4" (311.2)
Ⓛ	9'0" (2743.2)	7-1/4" (184.2)	29-1/2" (749.3)	12-1/4" (311.2)
Ⓛ	10'0" (3048)	7-1/4" (184.2)	33-1/2" (850.9)	12-1/4" (311.2)



HINGE SIZE MAY VARY ϕ LOCATION REMAINS THE SAME.
 HINGE BACKSET: 5/16" (7.9) FOR 1-3/4" (44.5) DOOR.
 5/8" (15.9) FOR 2" (50.8) DOOR
 DOOR RABBETS: 1-15/16" (49.2) FOR 1-3/4" (44.5) DOOR.
 2-3/16" (55.6) FOR 2" (50.8) DOOR.

FOR USE WITH FOUR HINGES
4-1/2" (114.3) OR 5" (127)



40" (1016) STANDARD

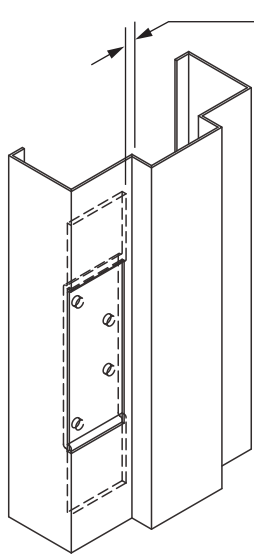
NOTE:
 FOR FRAMES UNDER 60" TALL WE
 WILL CENTER THE STRIKE FOR ALL
 MANUFACTURERS LOCATIONS UNLESS
 NOTED OTHERWISE ON THE ORDER.

* STRIKE BACKSET: 5/16" (7.9) FOR 1-3/4" (44.5) DOOR
 1/2" (12.7) FOR 2" (50.8) DOOR

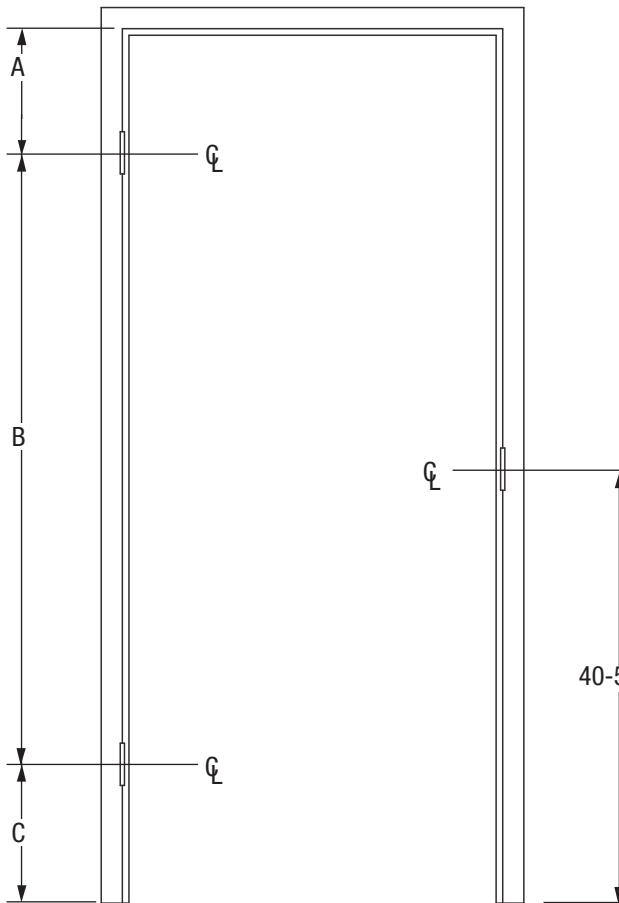
September, 2013

	SIZE	A	B	C
⊗	6'8" (2032)	9-3/4" (247.7)	59-7/8" (1520.8)	10-3/8" (263.5)
⊗	6'10" (2082.8)	9-3/4" (247.7)	61-7/8" (1571.6)	10-3/8" (263.5)
⊗	7'0" (2133.6)	9-3/4" (247.7)	63-7/8" (1622.4)	10-3/8" (263.5)
⊗	7'2" (2184.4)	9-3/4" (247.7)	65-7/8" (1673.2)	10-3/8" (263.5)

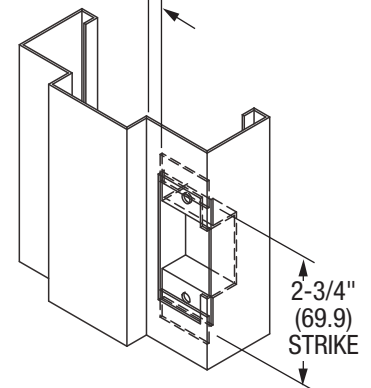
HINGE SIZE MAY VARY, \varnothing LOCATION REMAINS THE SAME.



**FOR USE WITH TWO HINGES 1-3/8" (34.9) DOOR
3-1/2" (88.9) OR 4" (101.6)**



STRIKE BACKSET 3/16" (4.8)



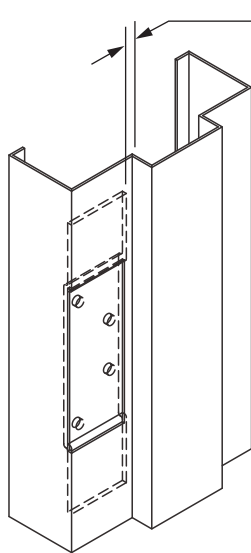
40-5/16" (1023.9) STANDARD

NOTE:
FOR FRAMES UNDER 60" TALL WE
WILL CENTER THE STRIKE FOR ALL
MANUFACTURERS LOCATIONS UNLESS
NOTED OTHERWISE ON THE ORDER.

	SIZE	A	B	C
Ⓛ	6'8" (2032)	9-3/4" (247.7)	29-15/16" (760.4)	10-3/8" (263.5)
Ⓛ	6'10" (2082.8)	9-3/4" (247.7)	30-15/16" (785.8)	10-3/8" (263.5)
Ⓛ	7'0" (2133.6)	9-3/4" (247.7)	31-15/16" (811.2)	10-3/8" (263.5)
Ⓛ	7'2" (2184.4)	9-3/4" (247.7)	32-15/16" (836.6)	10-3/8" (263.5)



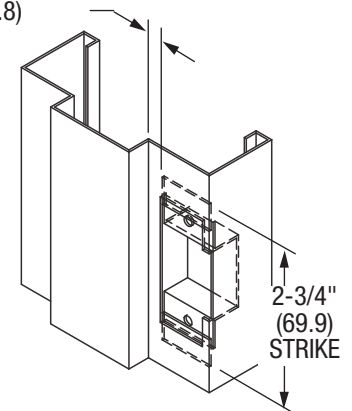
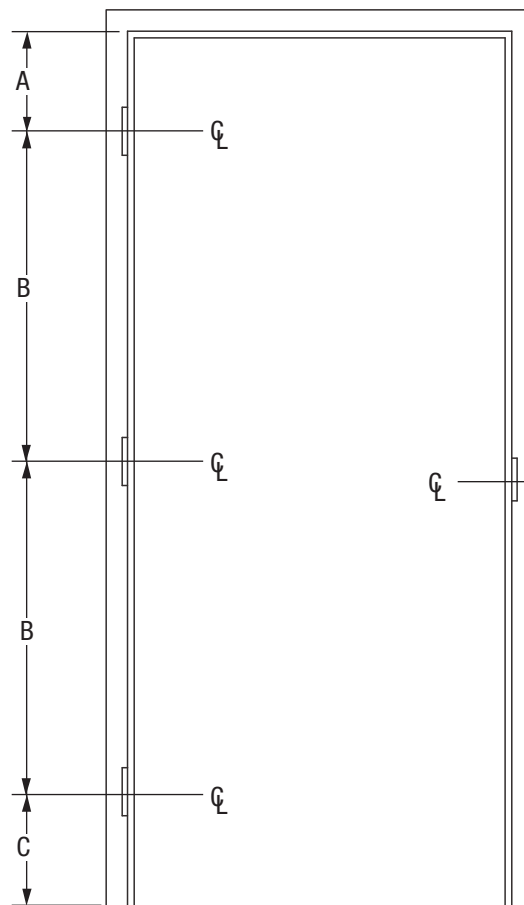
HINGE SIZE MAY VARY, Ⓛ LOCATION REMAINS THE SAME.



HINGE BACKSET: 5/16" (7.9)

**FOR USE WITH THREE HINGES 1-3/8" (34.9) DOOR
3-1/2" (88.9) OR 4" (101.6)**

STRIKE BACKSET 3/16" (4.8)



2-3/4" (69.9)
STRIKE

40-5/16" (1023.9) STANDARD

NOTE:
FOR FRAMES UNDER 60" TALL
WE WILL CENTER THE STRIKE
FOR ALL MANUFACTURERS
LOCATIONS UNLESS NOTED
OTHERWISE ON THE ORDER.

48 CURRIES Standard Hinge & Strike Locations for 1-3/4" Dutch Frame

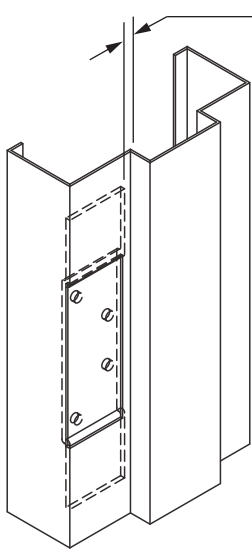
Frame Technical Data

November, 2004

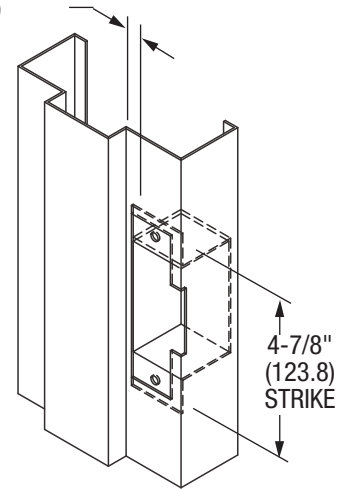
L

	SIZE	A	B	C	D	E
Ⓛ	6'8" (2032)	7-1/4" (184.2)	24-1/4" (616)	13-1/2" (342.9)	22-3/4" (577.9)	12-1/4" (311.2)
Ⓛ	6'10" (2082.8)	7-1/4" (184.2)	26-1/4" (666.6)	13-1/2" (342.9)	22-3/4" (577.9)	12-1/4" (311.2)
Ⓛ	7'0" (2133.6)	7-1/4" (184.2)	28-1/4" (717.6)	13-1/2" (342.9)	22-3/4" (577.9)	12-1/4" (311.2)
Ⓛ	7'2" (2184.4)	7-1/4" (184.2)	30-1/4" (768.4)	13-1/2" (342.9)	22-3/4" (577.9)	12-1/4" (311.2)
Ⓛ	7'10" (2387.6)	7-1/4" (184.2)	35-1/4" (895.4)	16-1/2" (419.1)	22-3/4" (577.9)	12-1/4" (311.2)
Ⓛ	8'0" (2438.4)	7-1/4" (184.2)	37-1/4" (946.2)	16-1/2" (419.1)	22-3/4" (577.9)	12-1/4" (311.2)
Ⓛ	9'0" (2743.2)	7-1/4" (184.2)	49-1/4" (1251)	16-1/2" (419.1)	22-3/4" (577.9)	12-1/4" (311.2)
Ⓛ	10'0" (3048)	7-1/4" (184.2)	61-1/4" (1555.8)	16-1/2" (419.1)	22-3/4" (577.9)	12-1/4" (311.2)

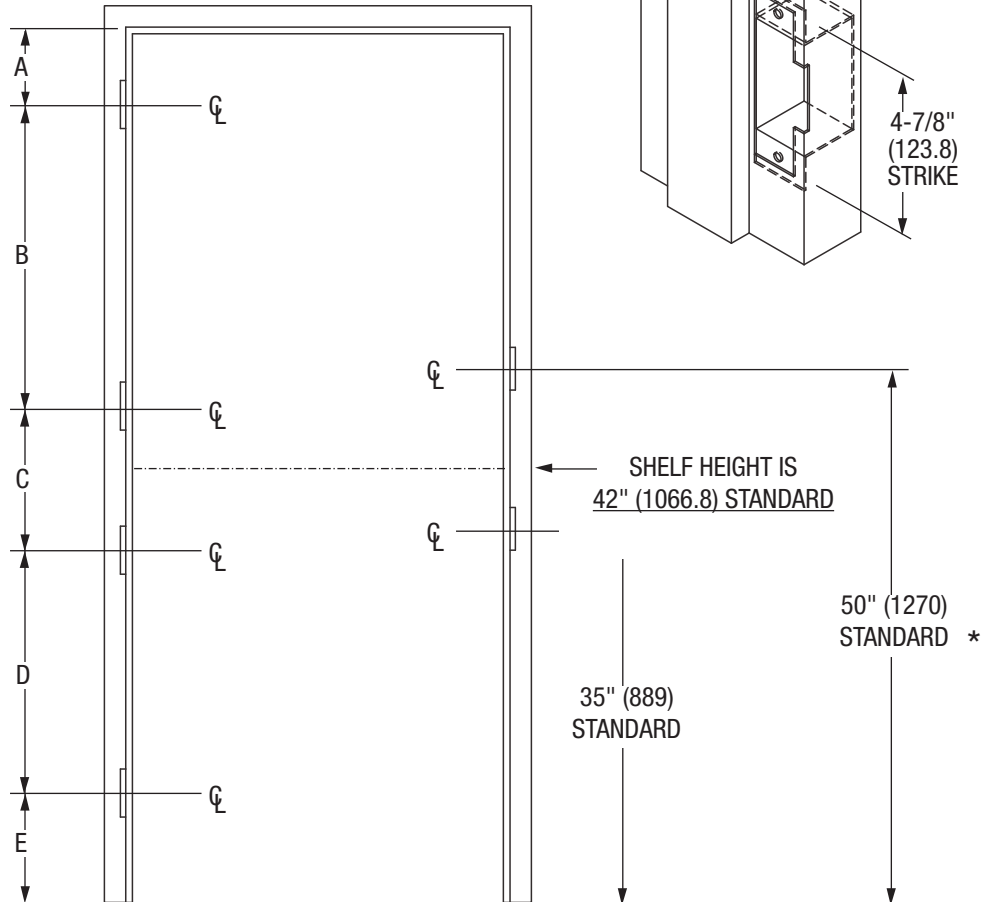
HINGE SIZE MAY VARY, ϕ LOCATION REMAINS THE SAME.



STRIKE BACKSET 5/16" (7.9)

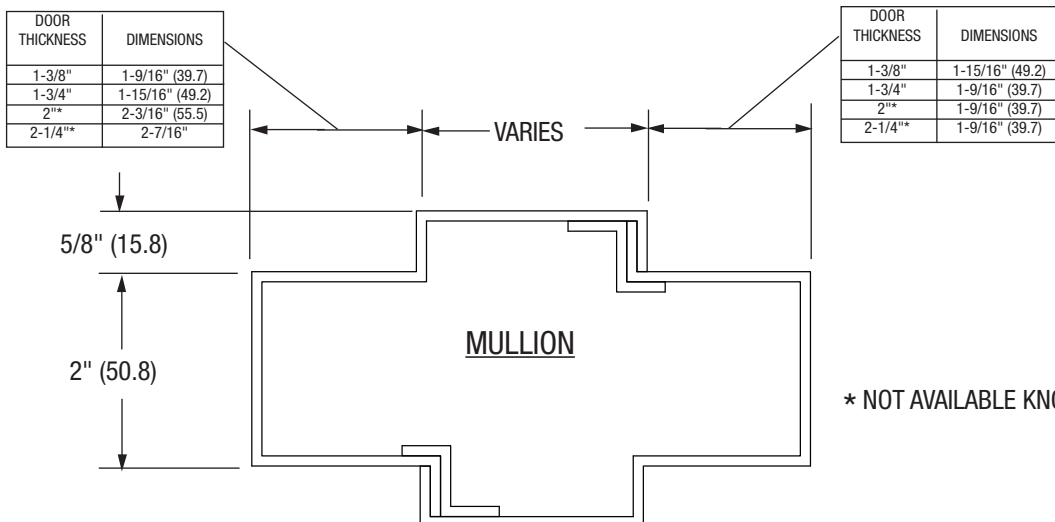
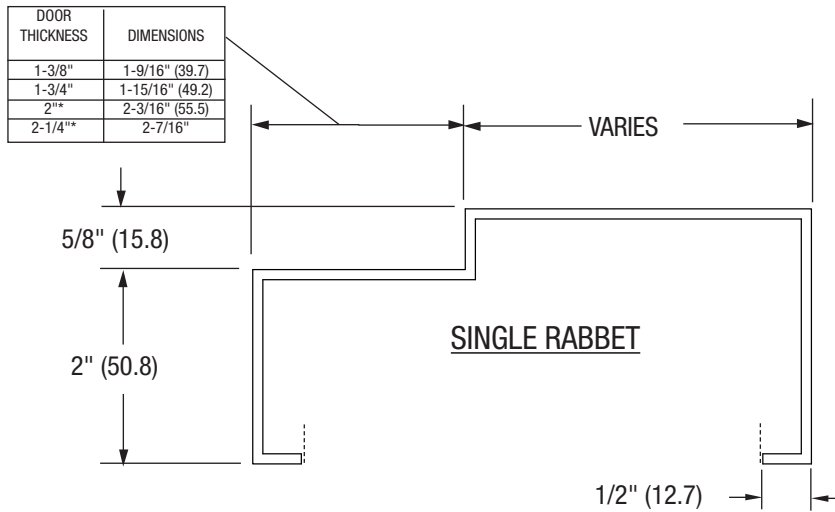
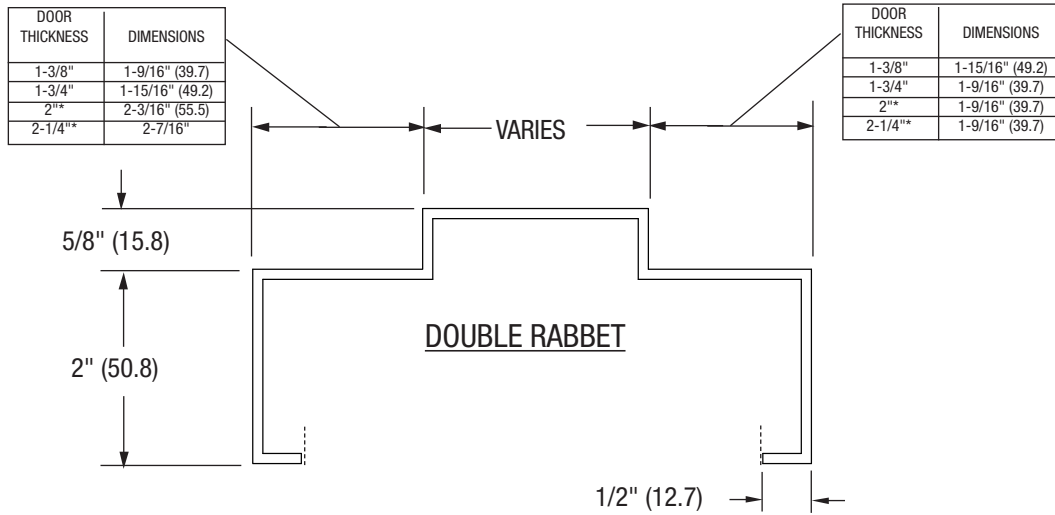


DUTCH DOOR
4-1/2" (114.3) OR 5" (127)



NOTE:
MAXIMUM FIRE LABEL
WIDTH: 3'8" (1117.6)

* PLEASE INDICATE WHEN ADA
COMPLIANCE IS REQUIRED.
48" ϕ IS NOT PRACTICAL WITH
SOME DEADLOCKS.

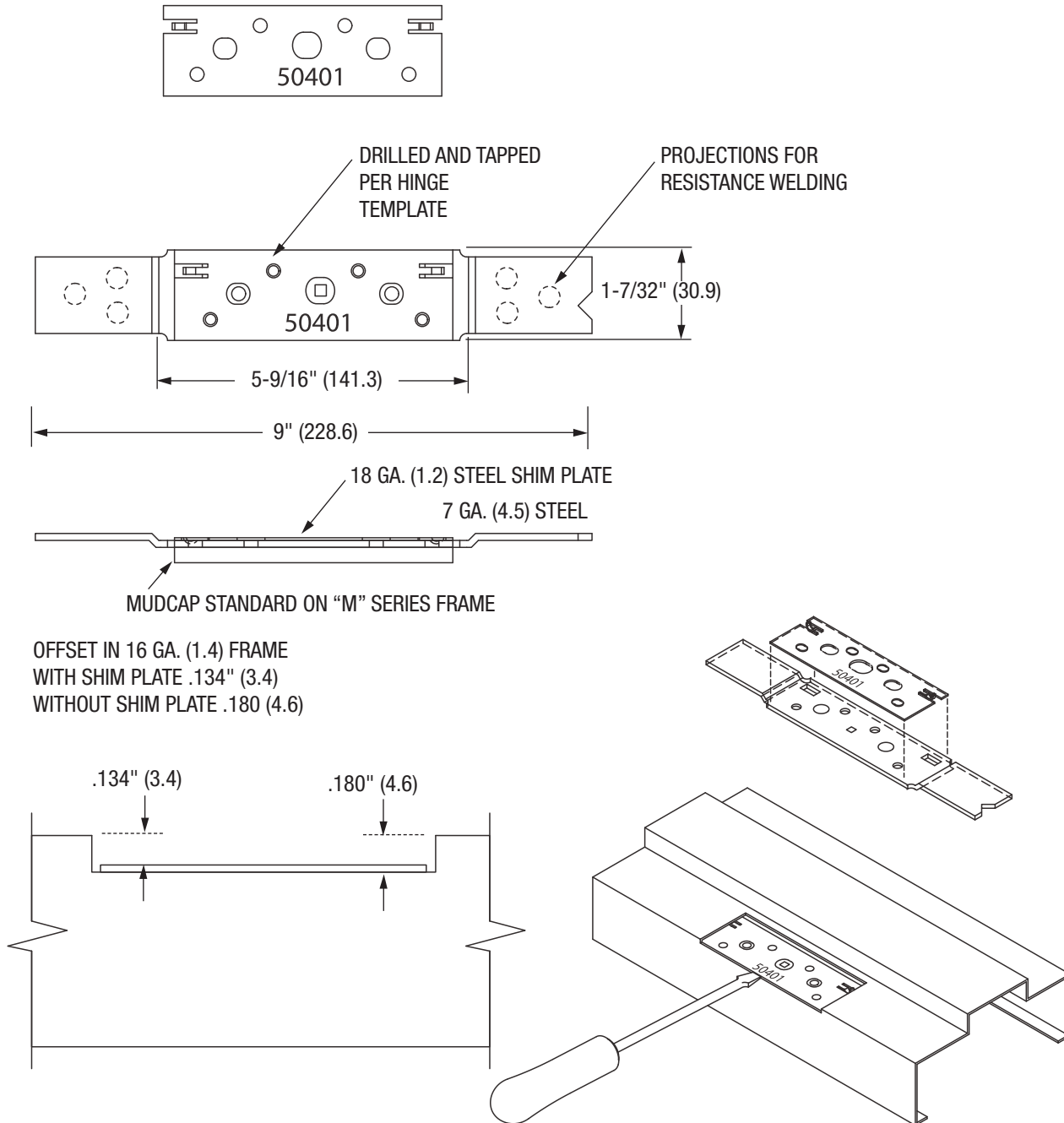


* NOT AVAILABLE KNOCKDOWN (KD)

July, 2010

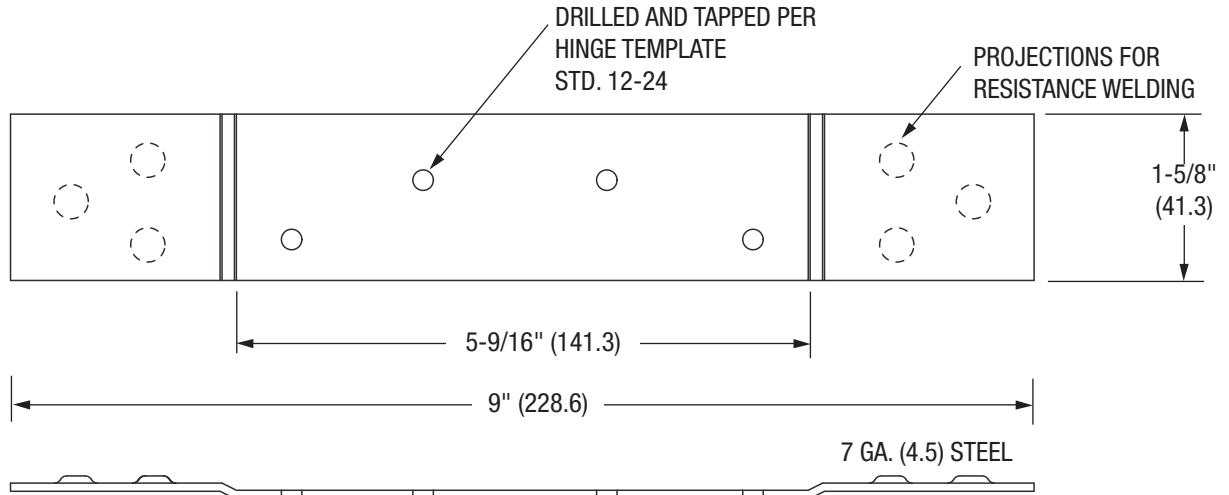


DEFAULT REINFORCEMENT FOR ALL 4-1/2" STANDARD
AND HEAVYWEIGHT HINGES

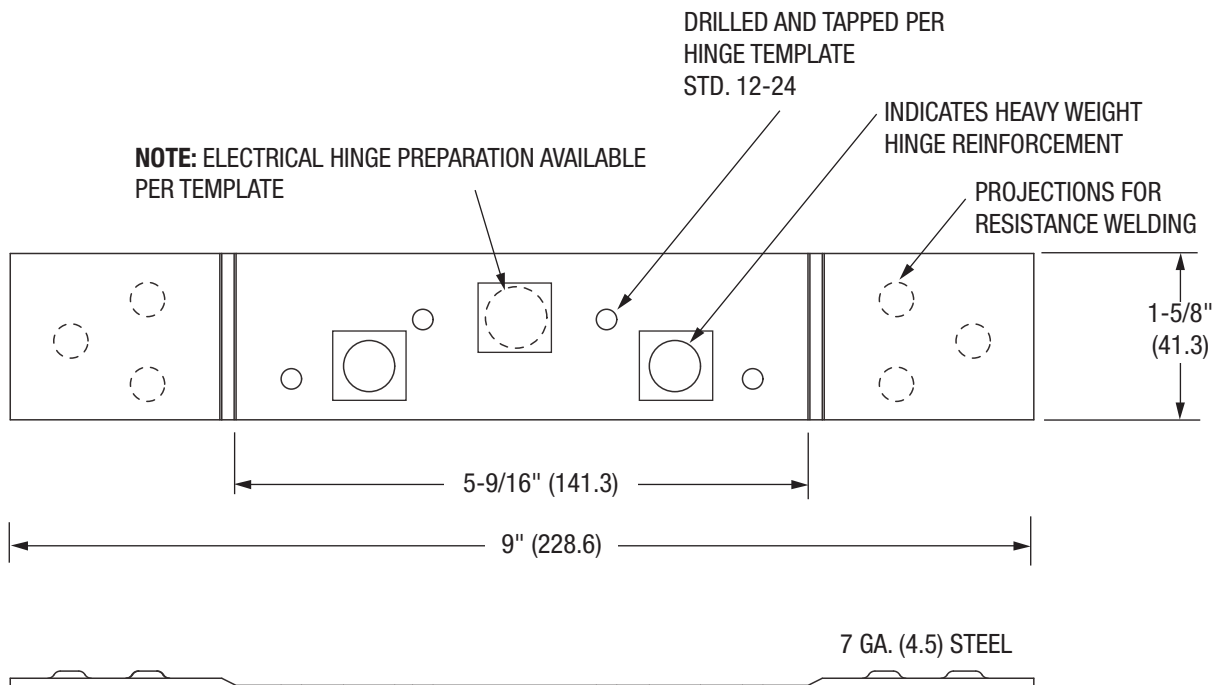


TO REMOVE SHIM PLATE, INSERT FLAT SCREWDRIVER BETWEEN SHIM AND REINFORCEMENT, AND PRY SHIM AWAY FROM REINFORCEMENT.

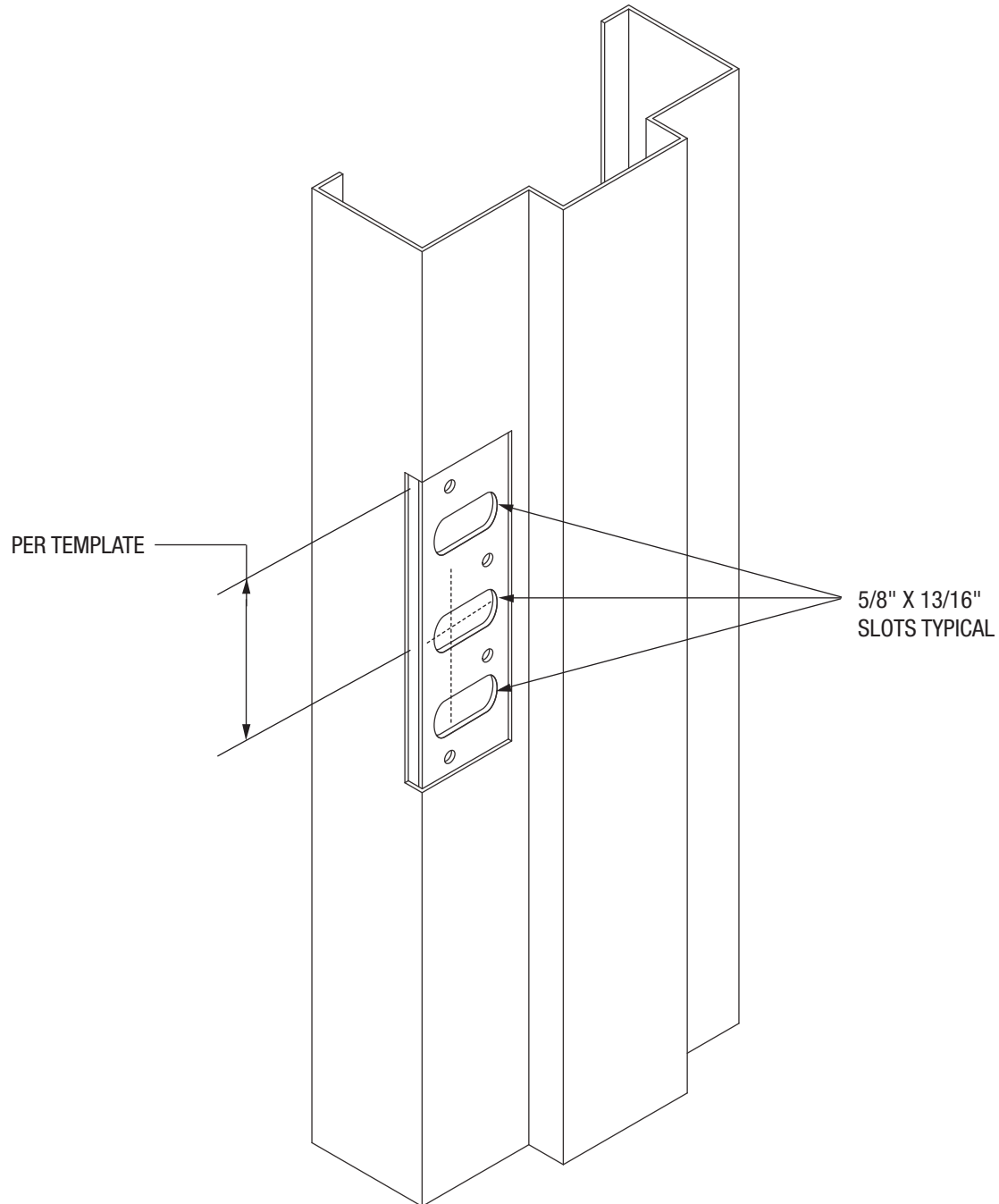
- NOTE:**
- 1) IF SHIM IS REMOVED, PRIME PAINT HINGE REINFORCEMENT.
 - 2) NOT RECOMMENDED FOR CONVERSION TO ELECTRIC HINGE PREPARATION.



Heavy 5" Hinge Reinforcement



July, 2011

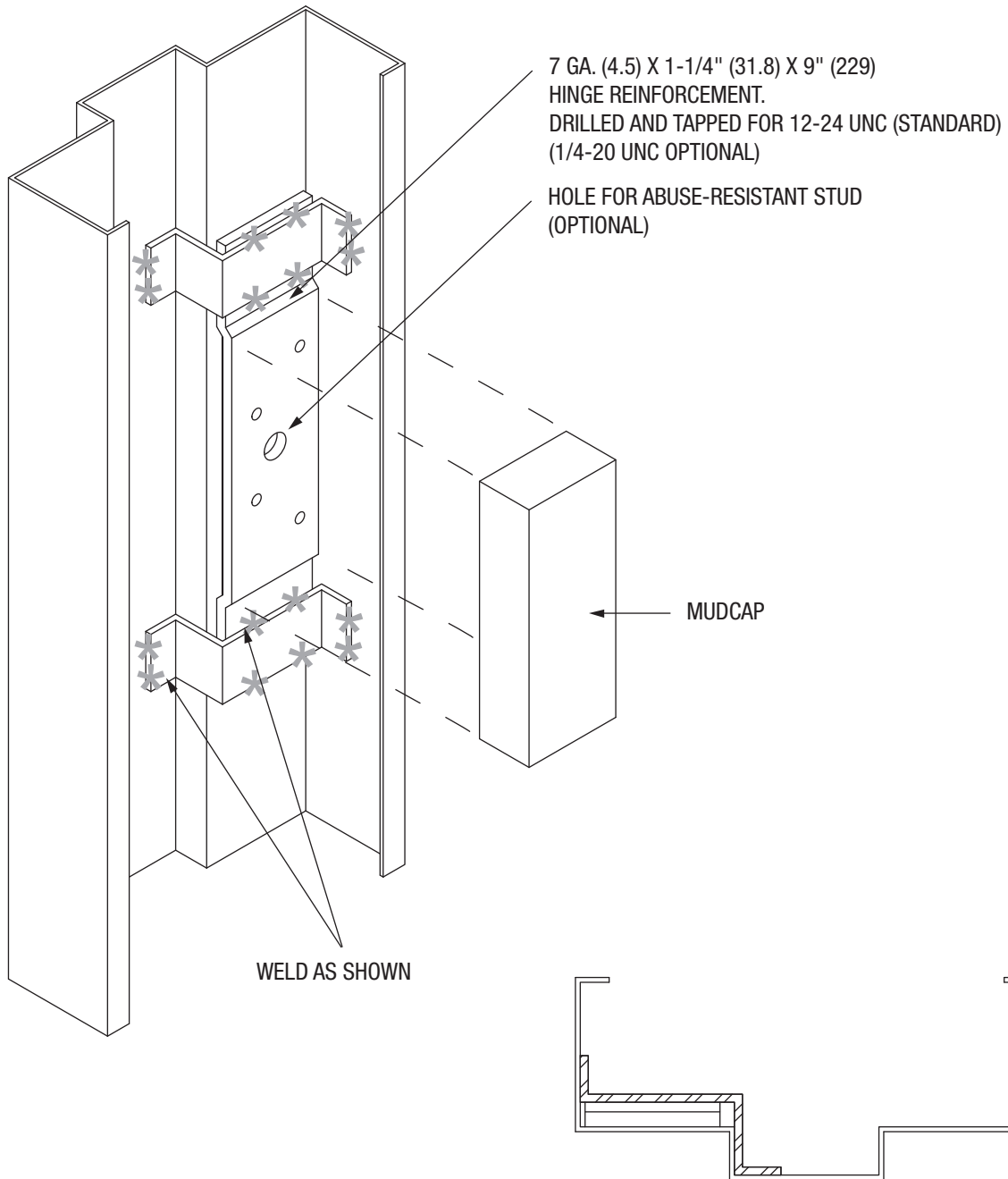


TYPICAL 4-1/2" ELECTRIC HINGE PREPARATION SHOWN FITS MANY ELECTRIC HINGES. OTHER ELECTRIC HINGE PREPARATIONS WILL BE PREPARED PER THE HINGE TEMPLATE.

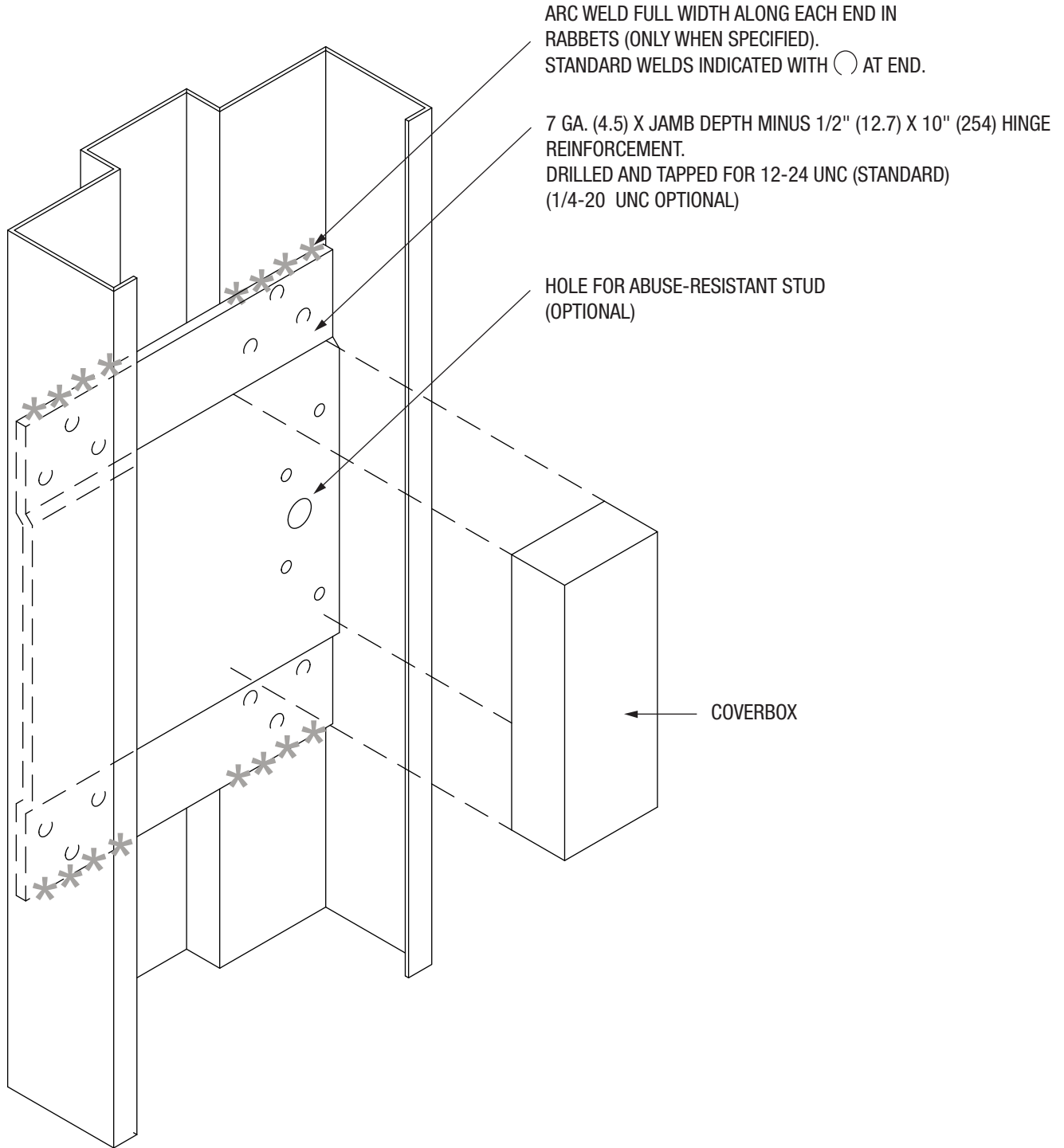
NOTE: ELECTRIFIED HINGE REINFORCEMENT AVAILABLE AS LOOSE PART #FH0300



**HIGH FREQUENCY HINGE REINFORCEMENT STRAPS
14 GA. (2.0) REINFORCEMENT**



November, 2004



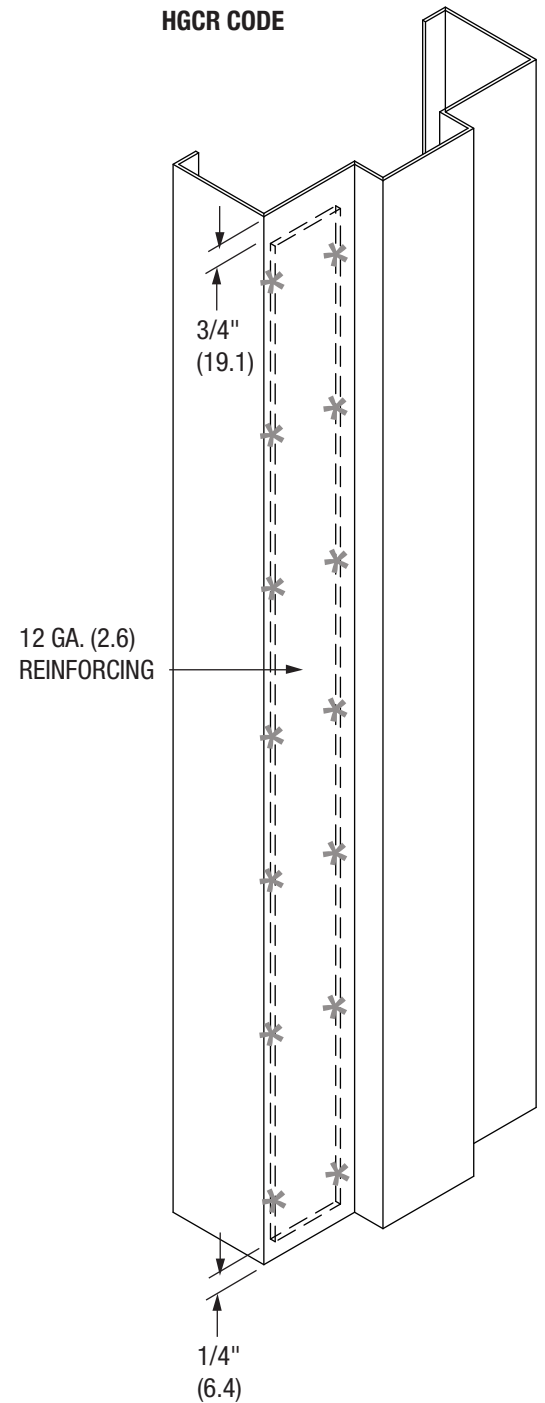
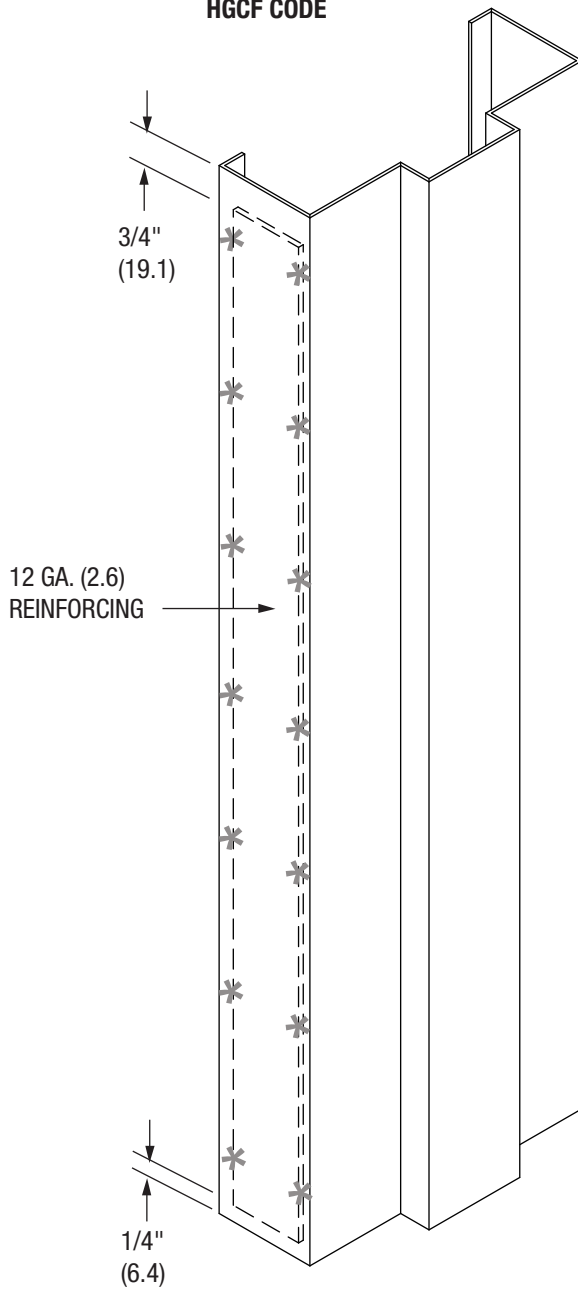


SURFACE MOUNTED TYPE

CONCEALED MOUNTED TYPE

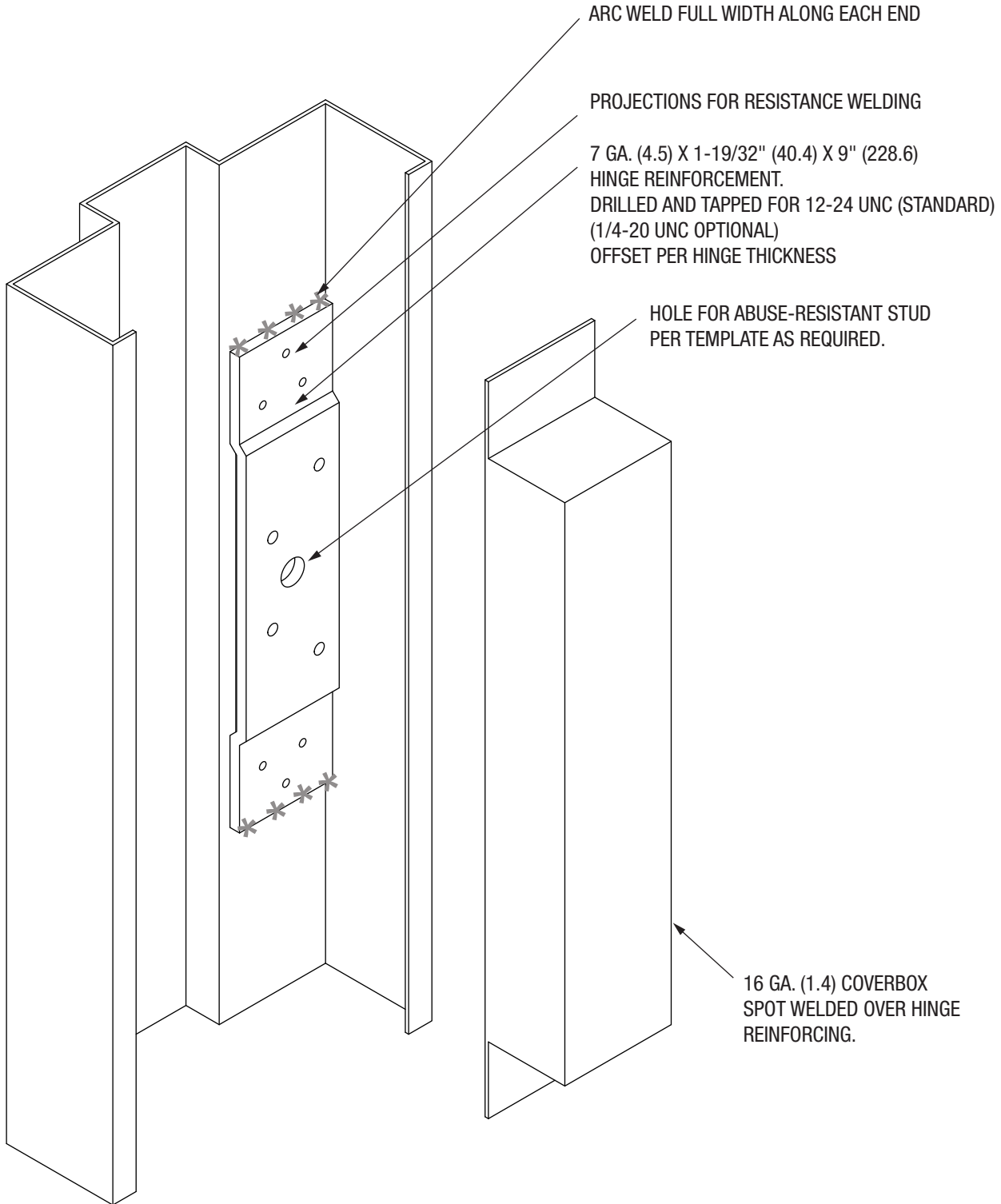
HGCF CODE

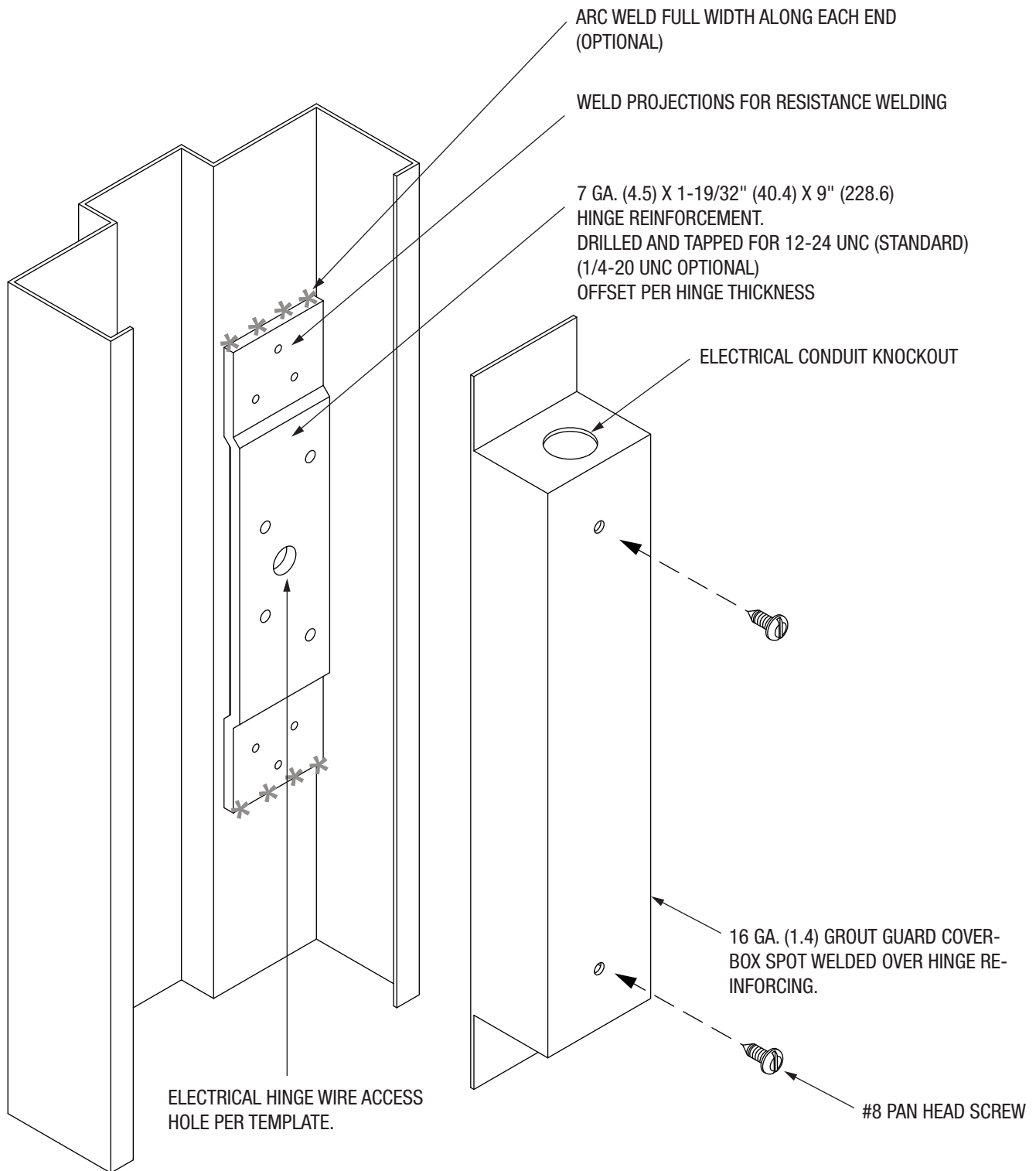
HGCR CODE



NOTE: HINGE MANUFACTURERS RECOMMEND REINFORCEMENTS ON 20, 18, 16 GAUGE FRAMES.

November, 2004





NOTE: JUNCTION BOXES ARE NOT CAULKED AT THE FACTORY. TO BE FIELD CAULKED BY INSTALLATION CONTRACTOR.

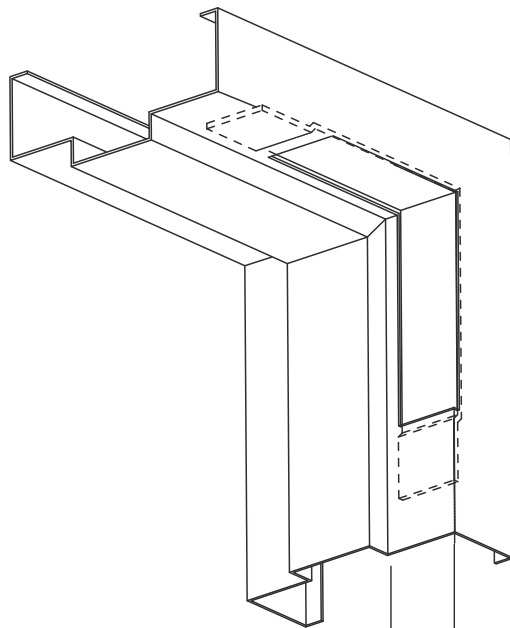
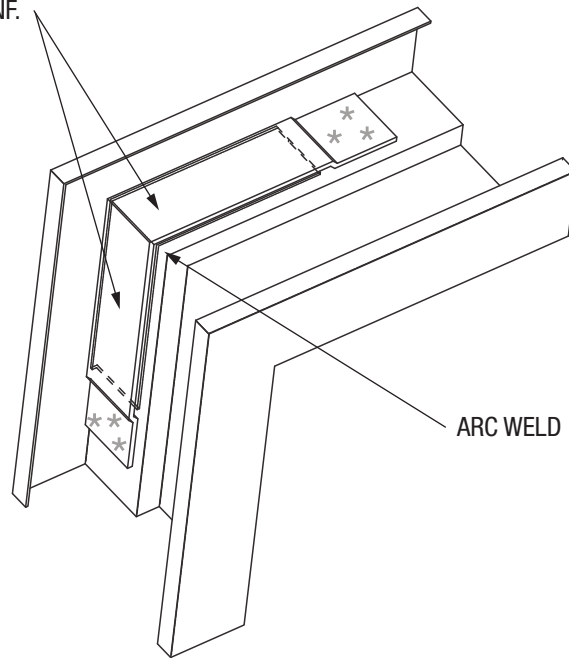
April, 2002



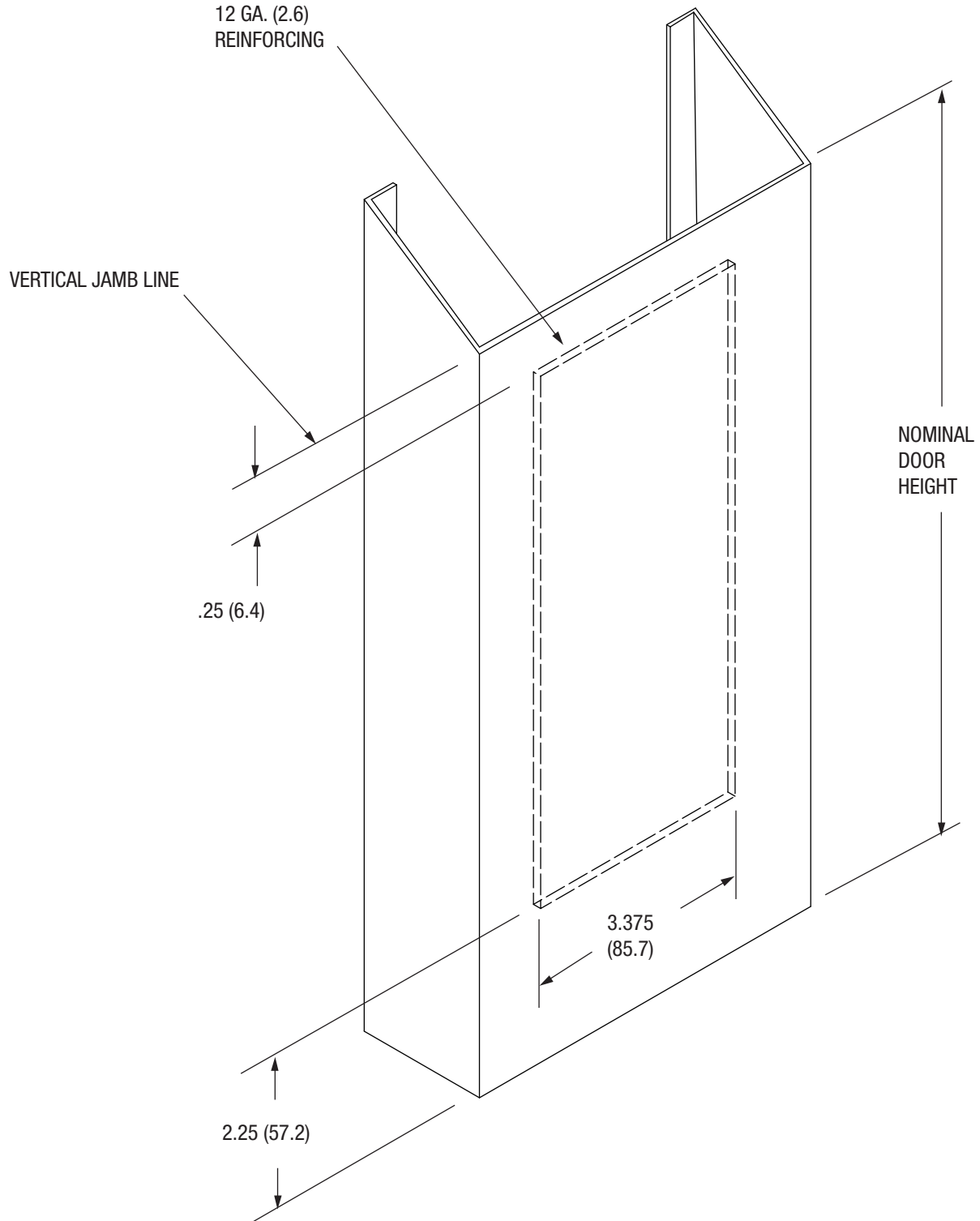
7 GA. (4.5) HINGE REINF.

CURRIES DOES NOT DRILL AND TAP FOR HINGE SCREWS, UNLESS FRAME IS FACTORY WELDED AND PHYSICAL SAMPLES ARE PROVIDED.

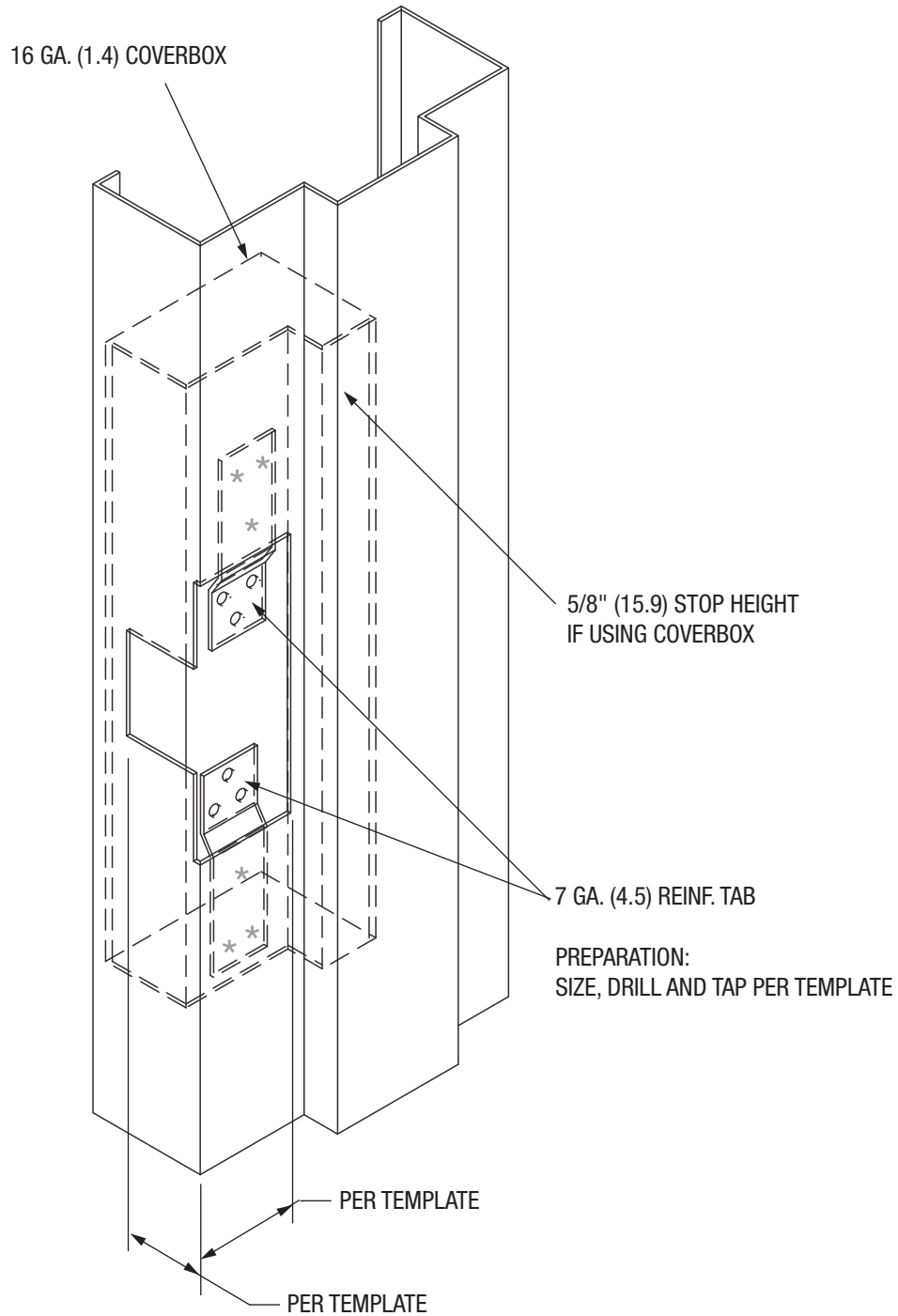
IF FRAME IS STICK OR KD THE PARTS ARE SHIPPED LOOSE AND ARE NOT WELDED TOGETHER, DRILL AND TAP IN FIELD.



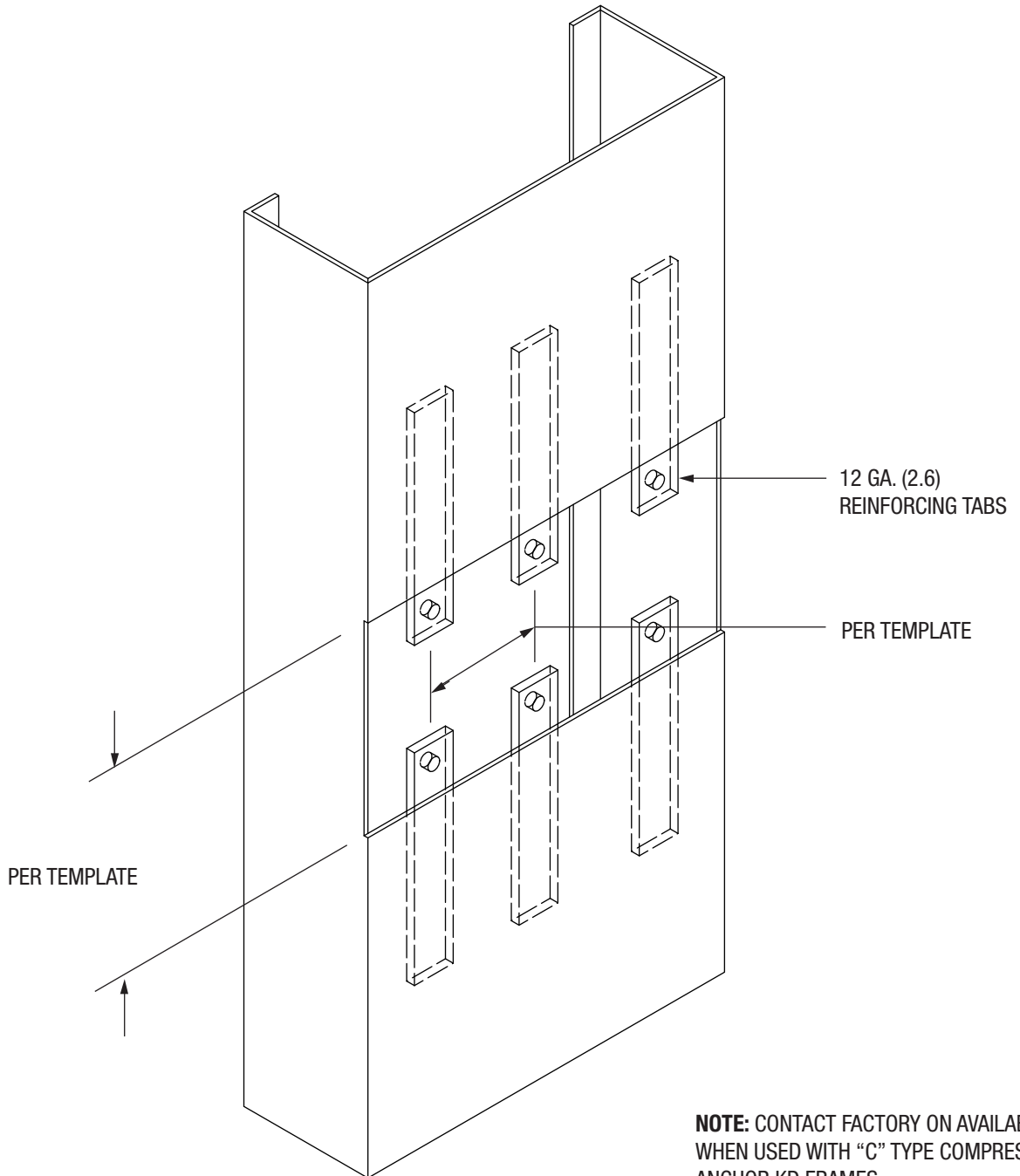
DOOR RABBET IS 1-15/16" (49.2)



April, 2002



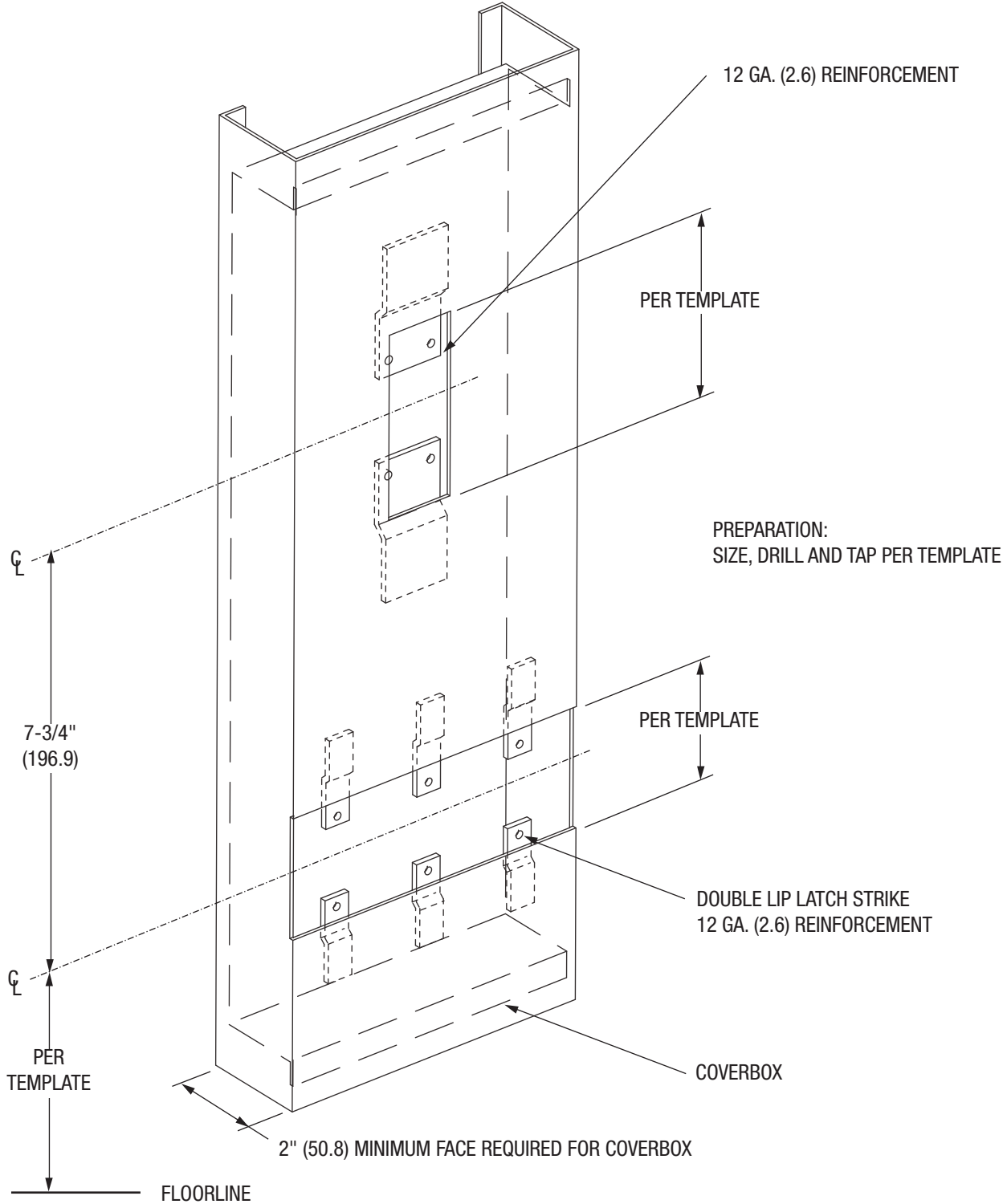
NOTE: SOME POCKET PIVOTS REQUIRE FRAME FACE DIMENSIONS GREATER THAN 2" (50.8) - KD FRAMES NOT AVAILABLE OVER 2" FACE.



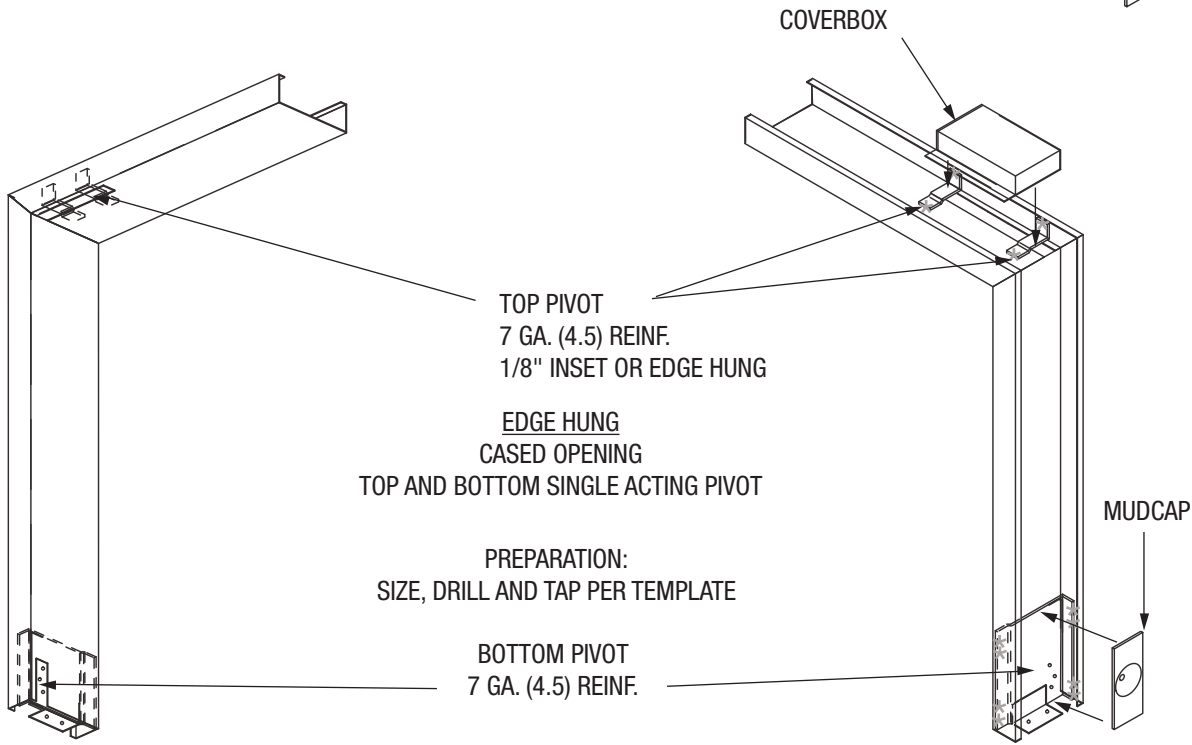
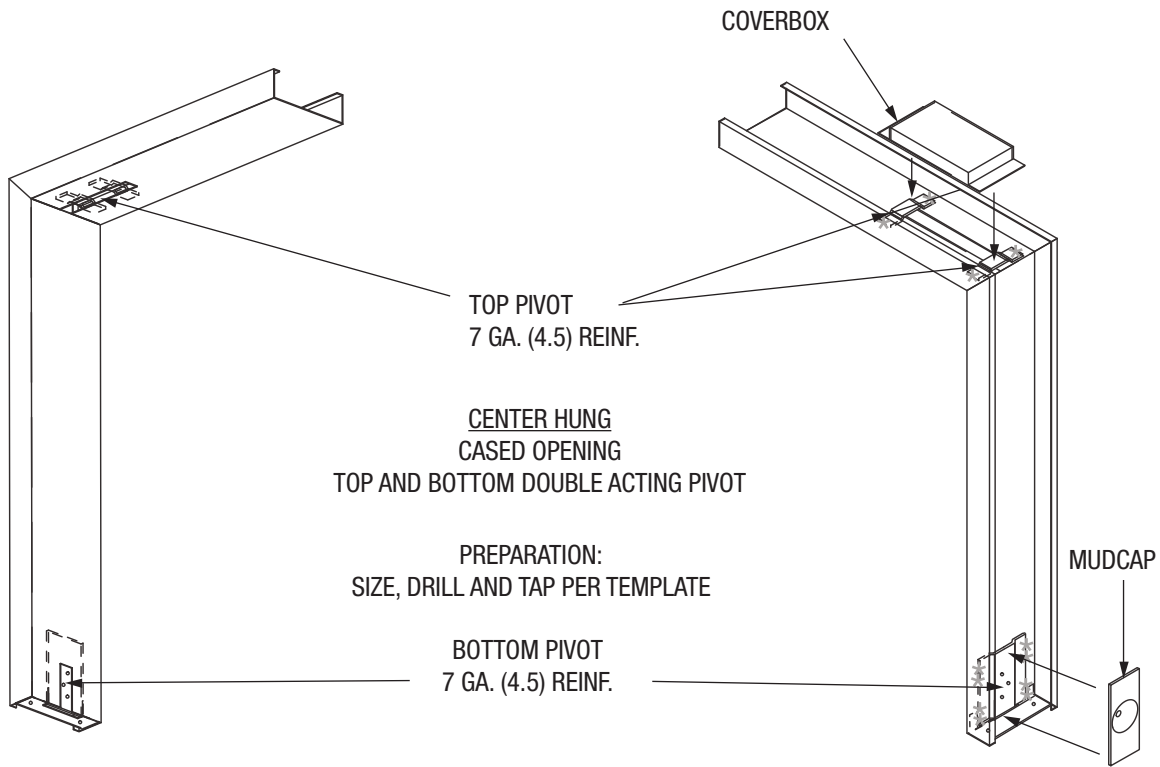
November, 2004



EMERGENCY STOP STRIKE SIDE



NOTE: CONTACT FACTORY ON AVAILABILITY WHEN USED WITH "C" TYPE COMPRESSION ANCHOR KD FRAMES.

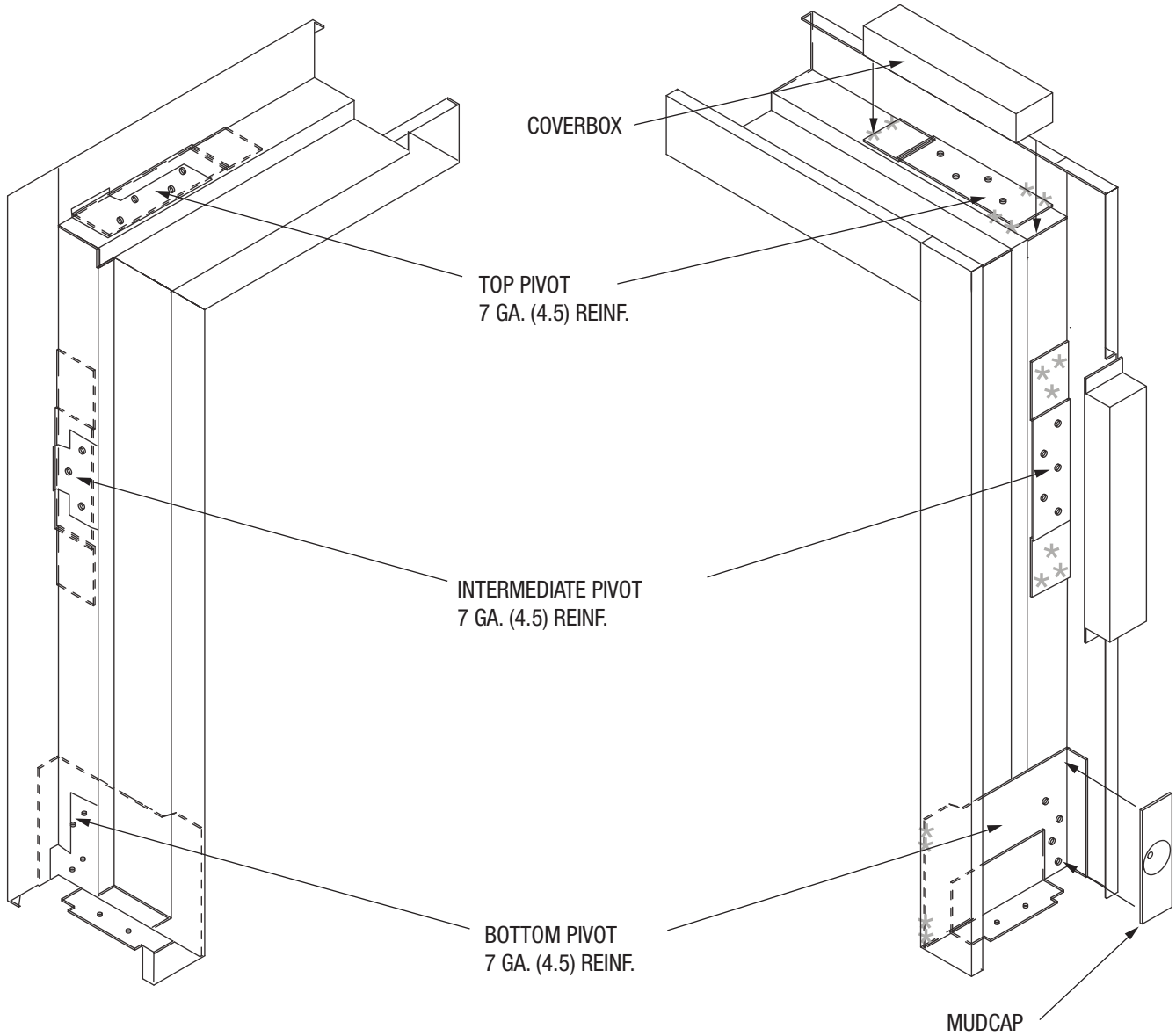


NOTE: NOT ALL BOTTOM PIVOTS REQUIRE A FRAME PREP.

EDGE HUNG

64
Frame Pivots - Top, Intermediate, Bottom - Single Acting
Frame Technical Data

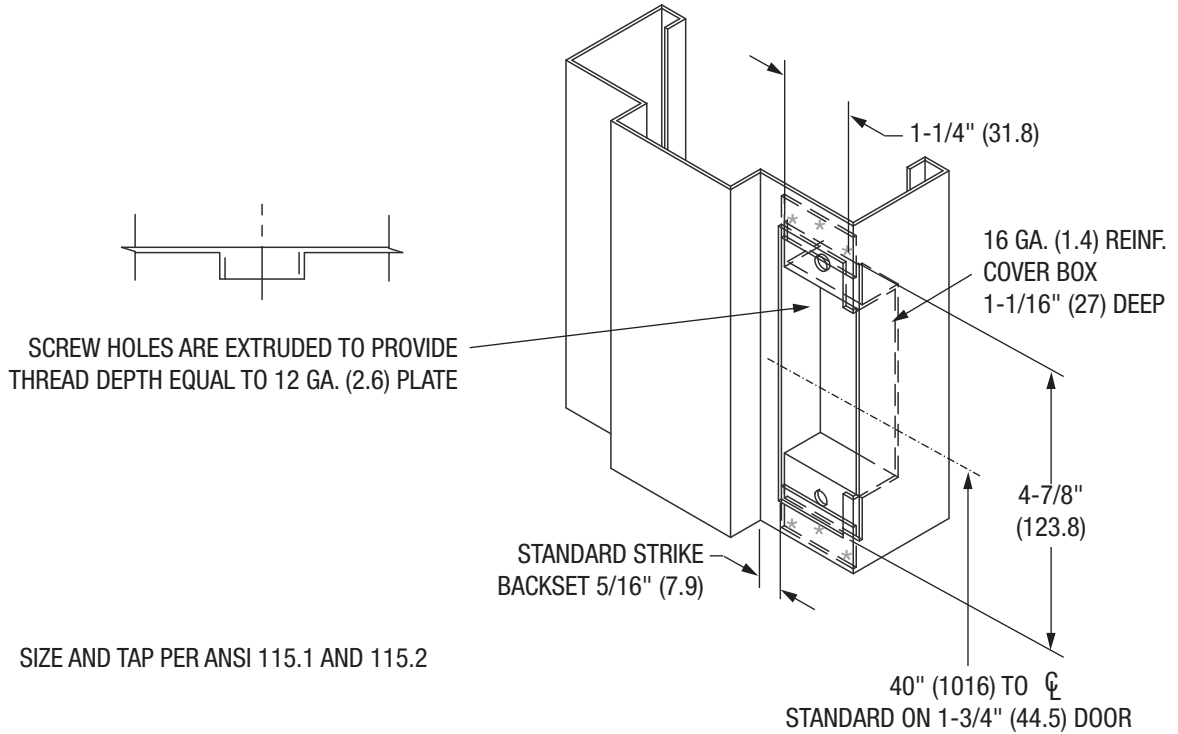
April, 2002



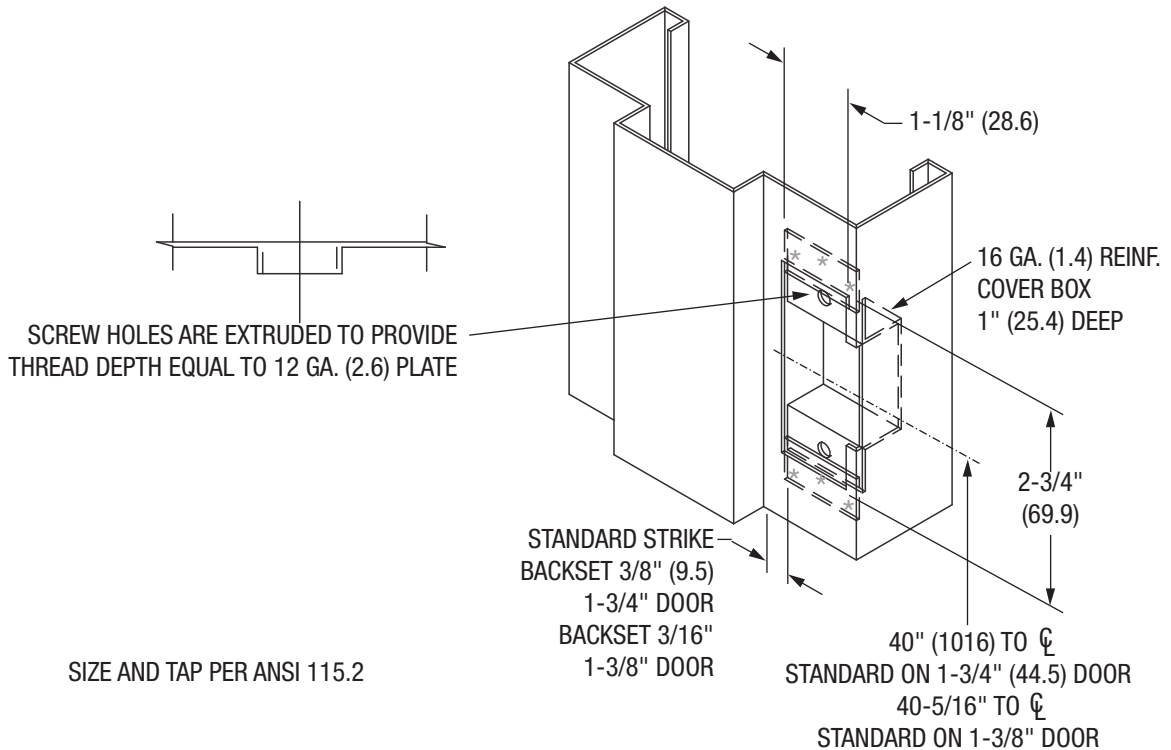
E1 Strike Reinf. (ANSI A115) 1-1/4" x 4-7/8"

Frame Technical Data

April, 2002



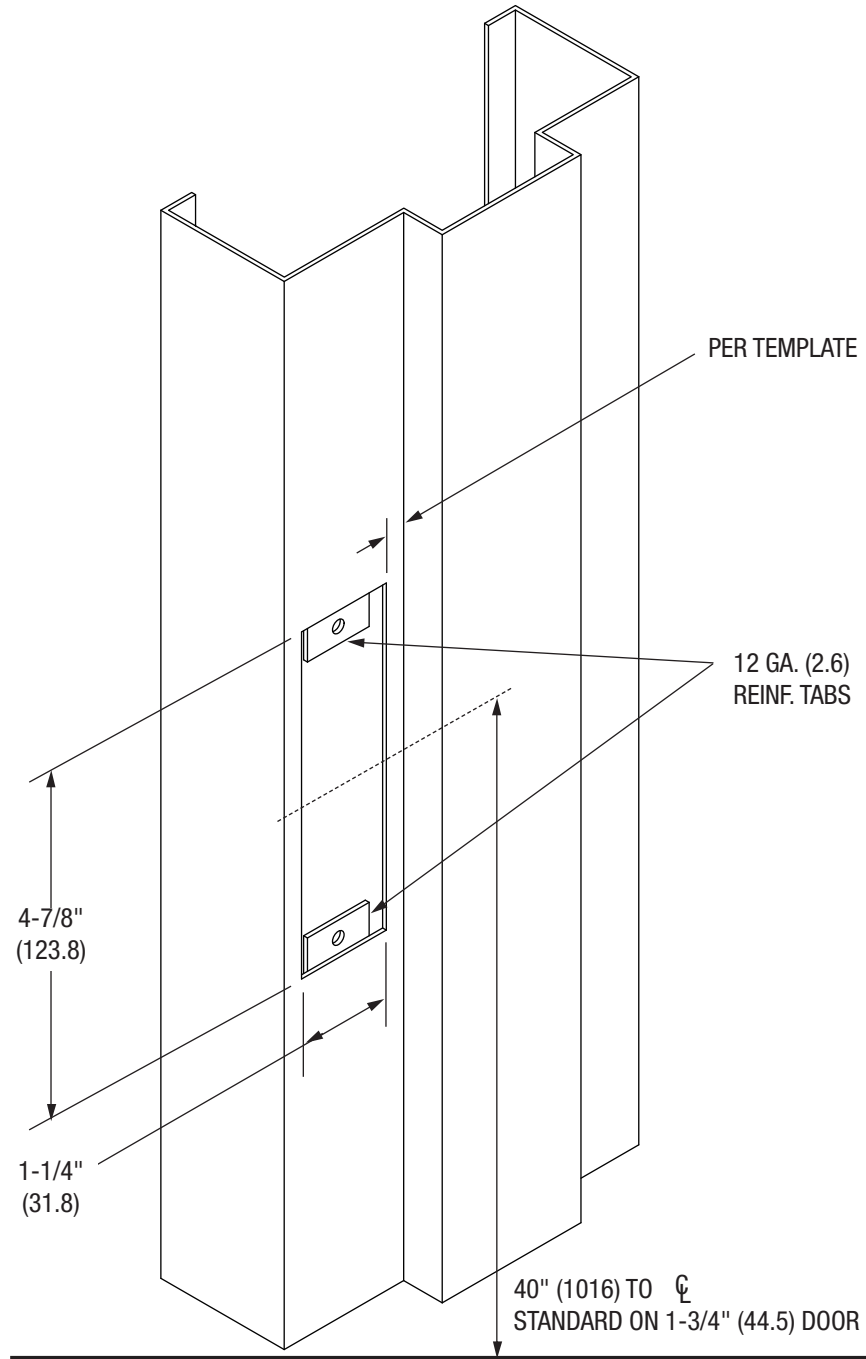
E2 Strike Reinf. (ANSI A115) 1-1/8" x 2-3/4"



E1B - Strike Reinf. 1-1/4" x 4-7/8" No Lip

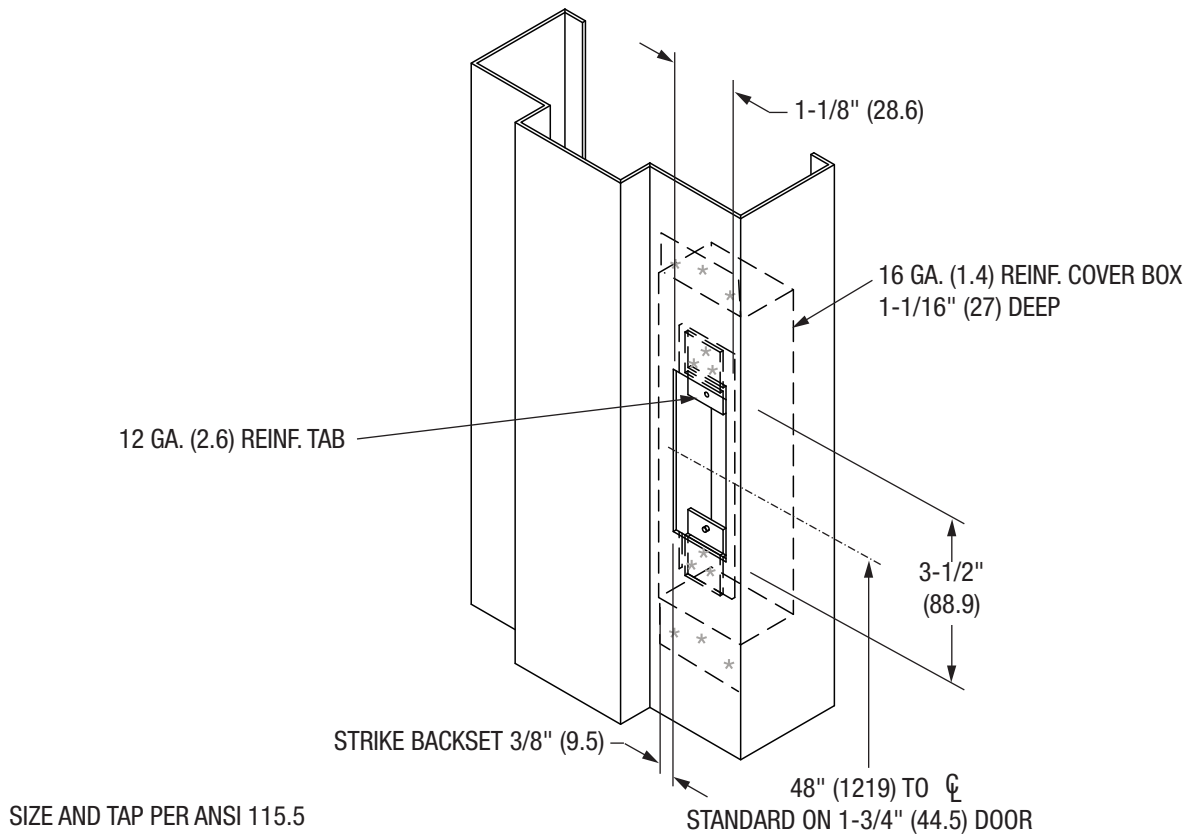
Frame Technical Data

April, 2002

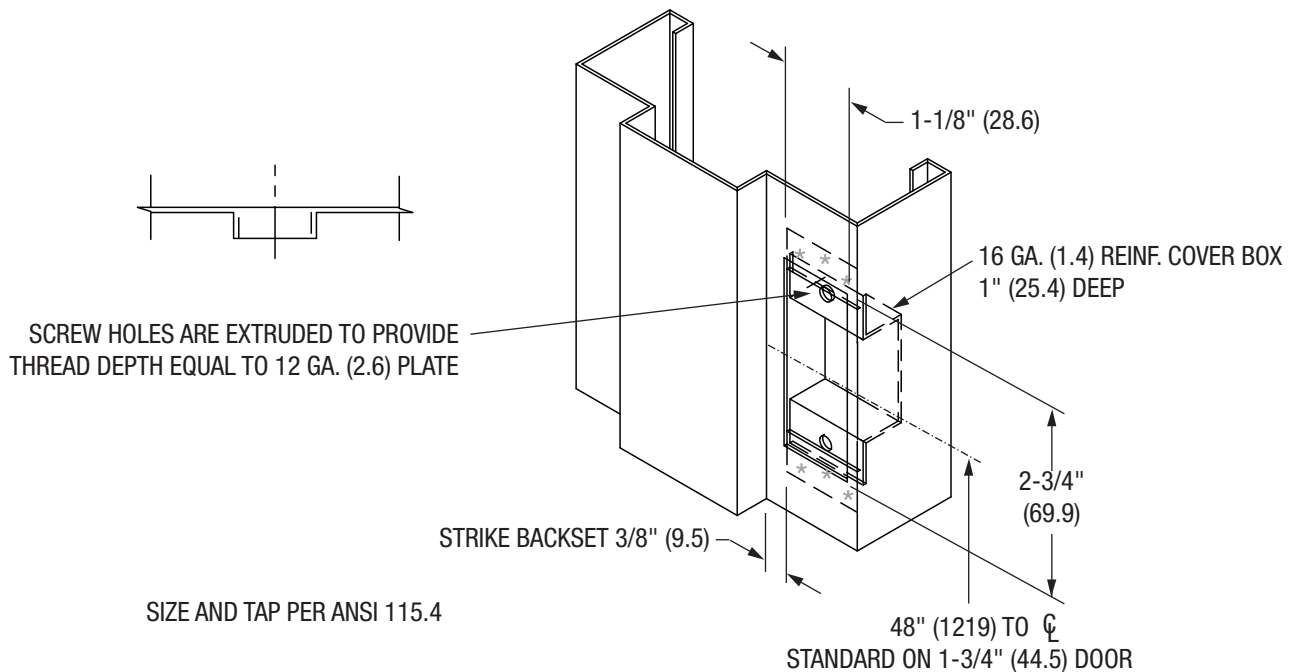


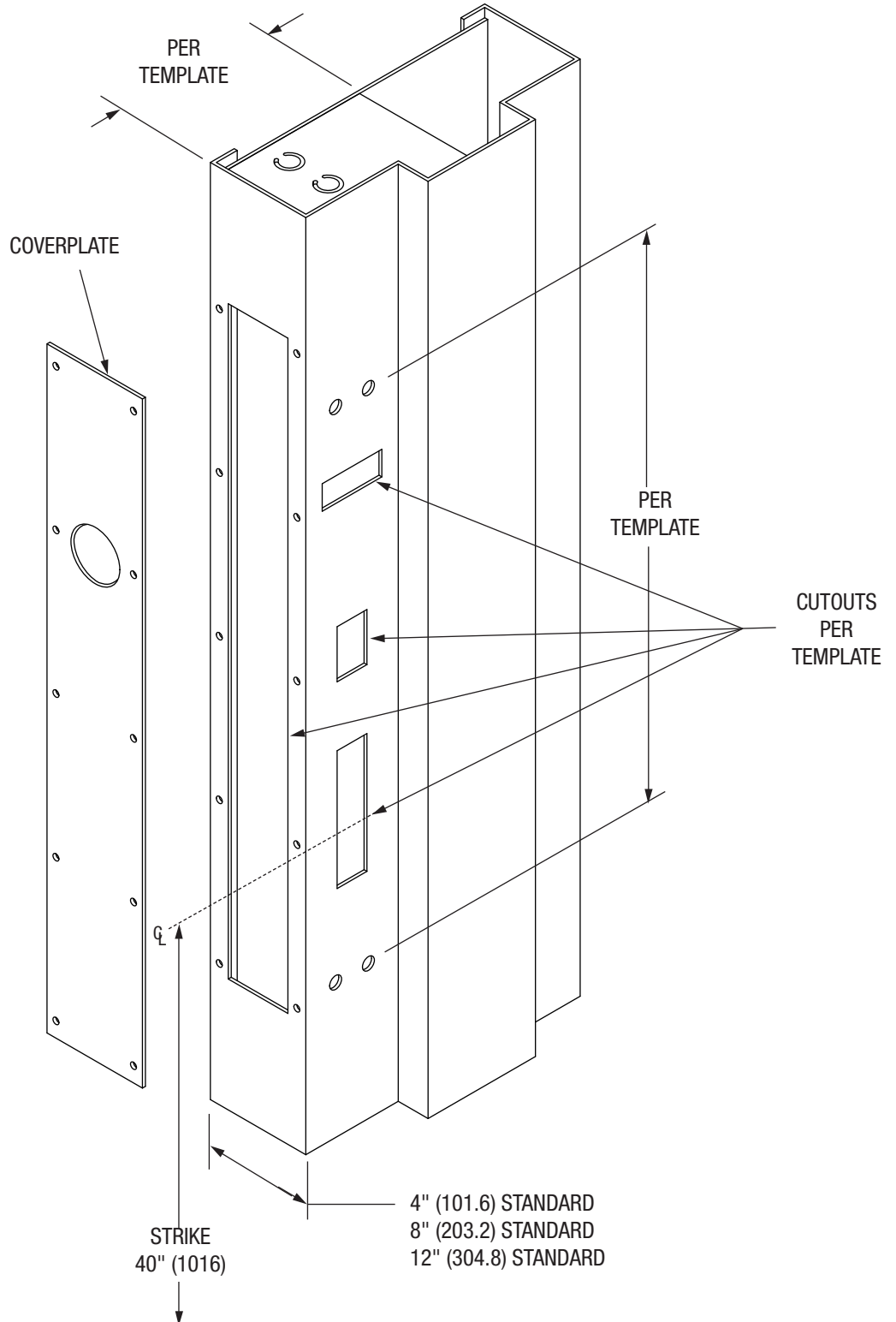
E3 Deadlock Strike Reinf. (ANSI/A115) 1-1/8" x 3-1/2"
Frame Technical Data

April, 2002

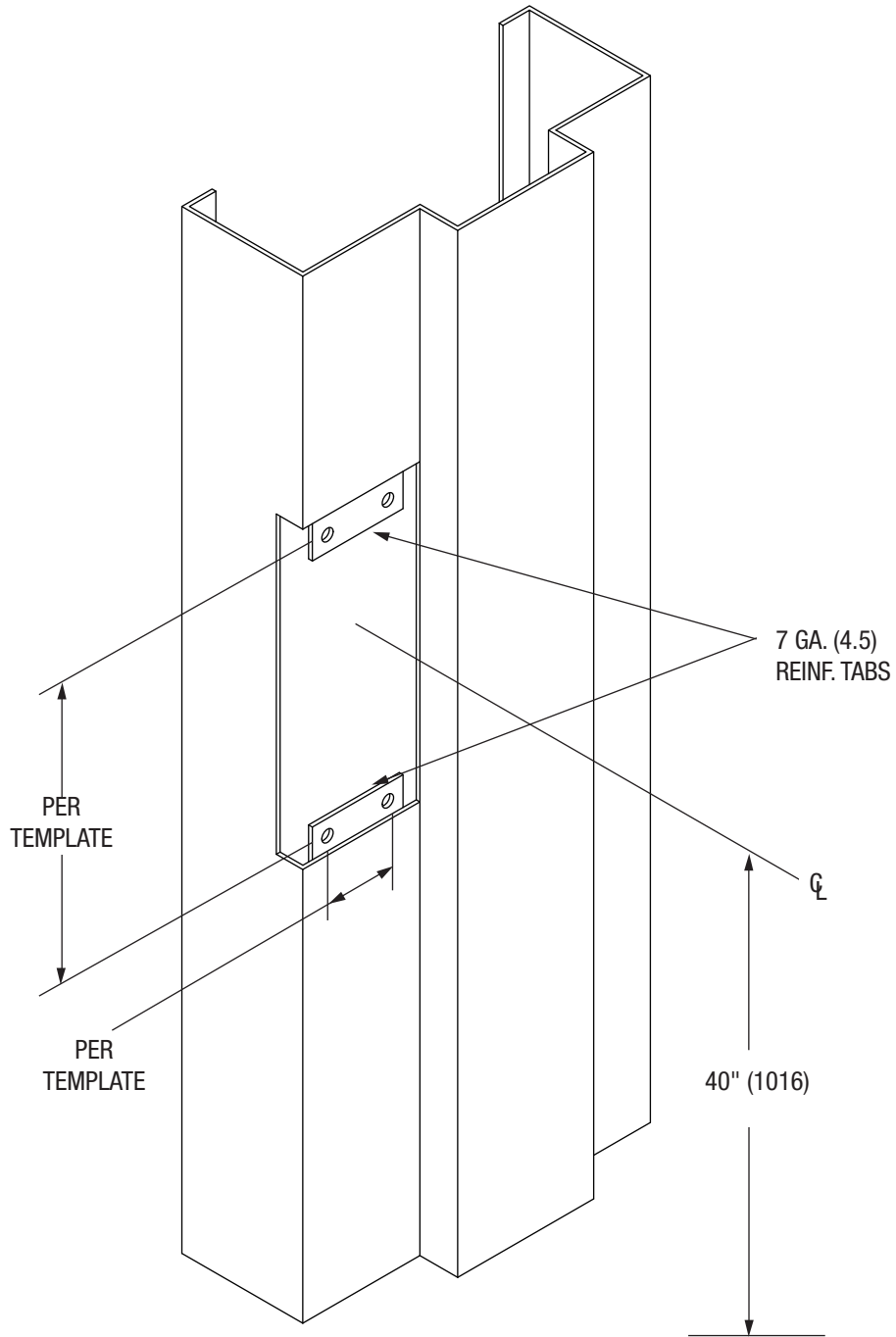


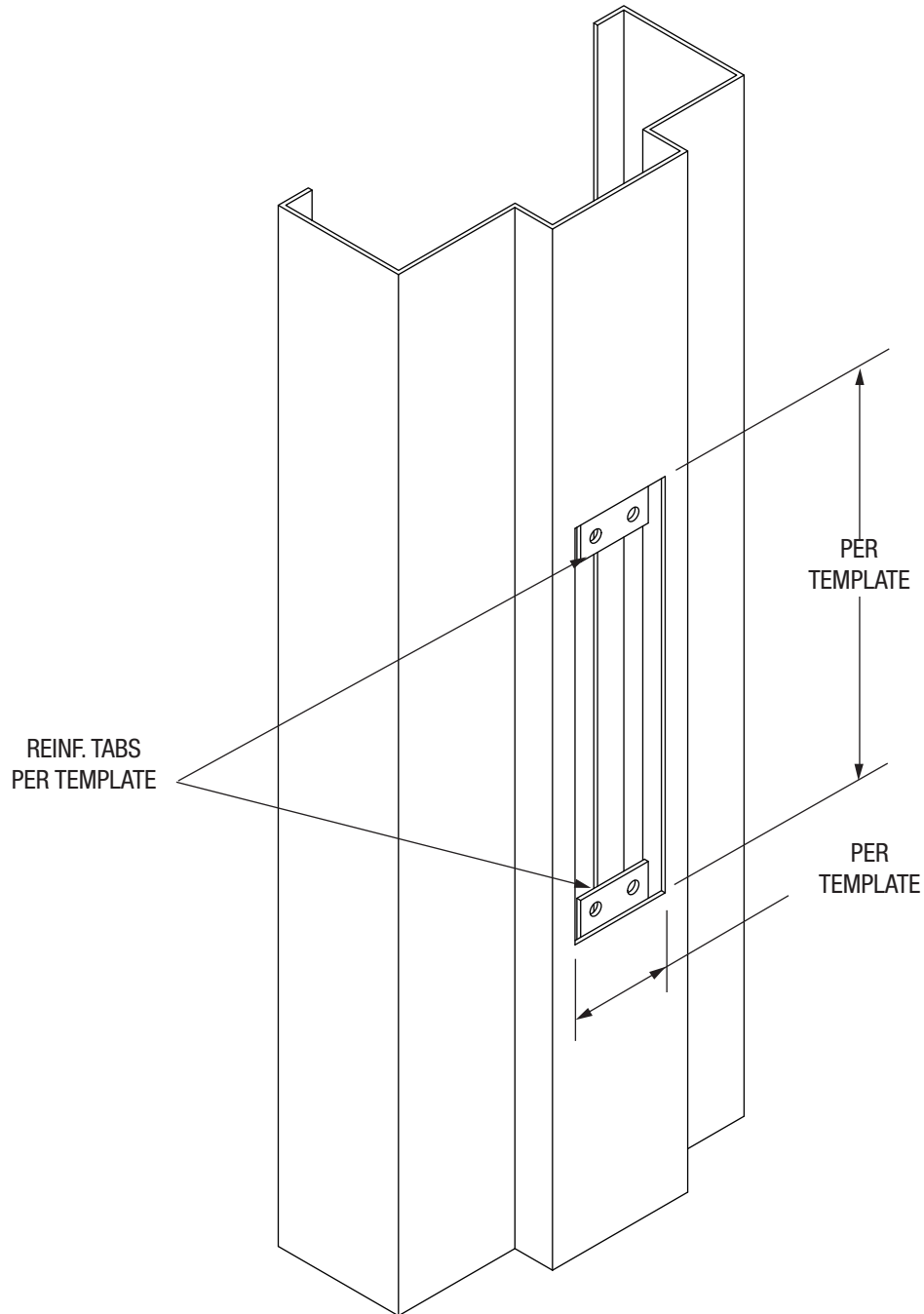
E4 Deadlock Strike Reinf. (ANSI/A115) 1-1/8" x 2-3/4" No Lip





July, 2003

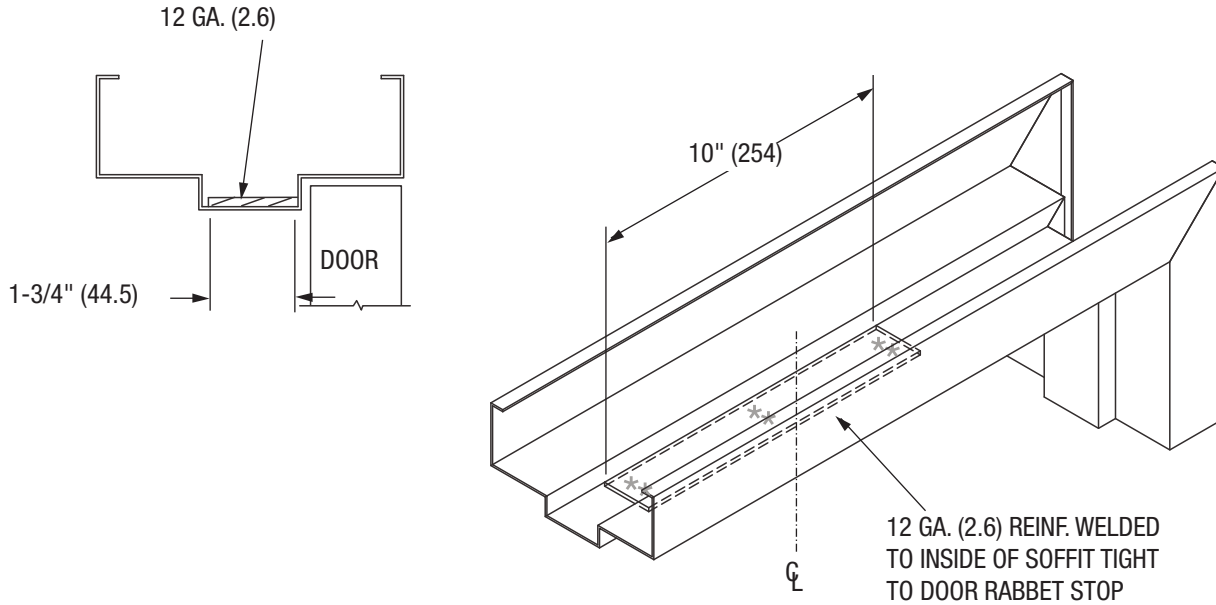




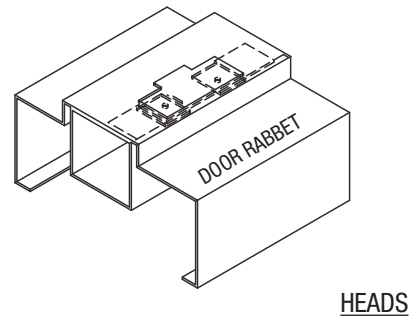
April, 2002



E5 REINFORCING IS LOCATED ON CENTERLINE OF HEAD FOR PAIR FRAMES
AND ADJACENT TO STRIKE JAMB ON SINGLE SWING FRAMES.

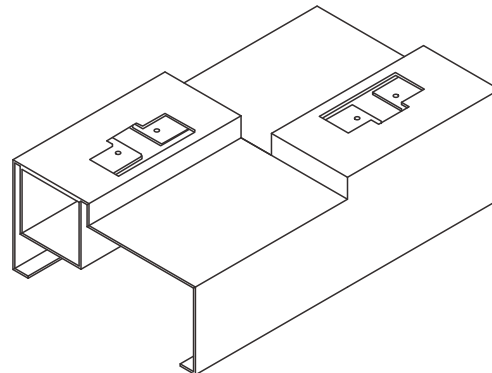


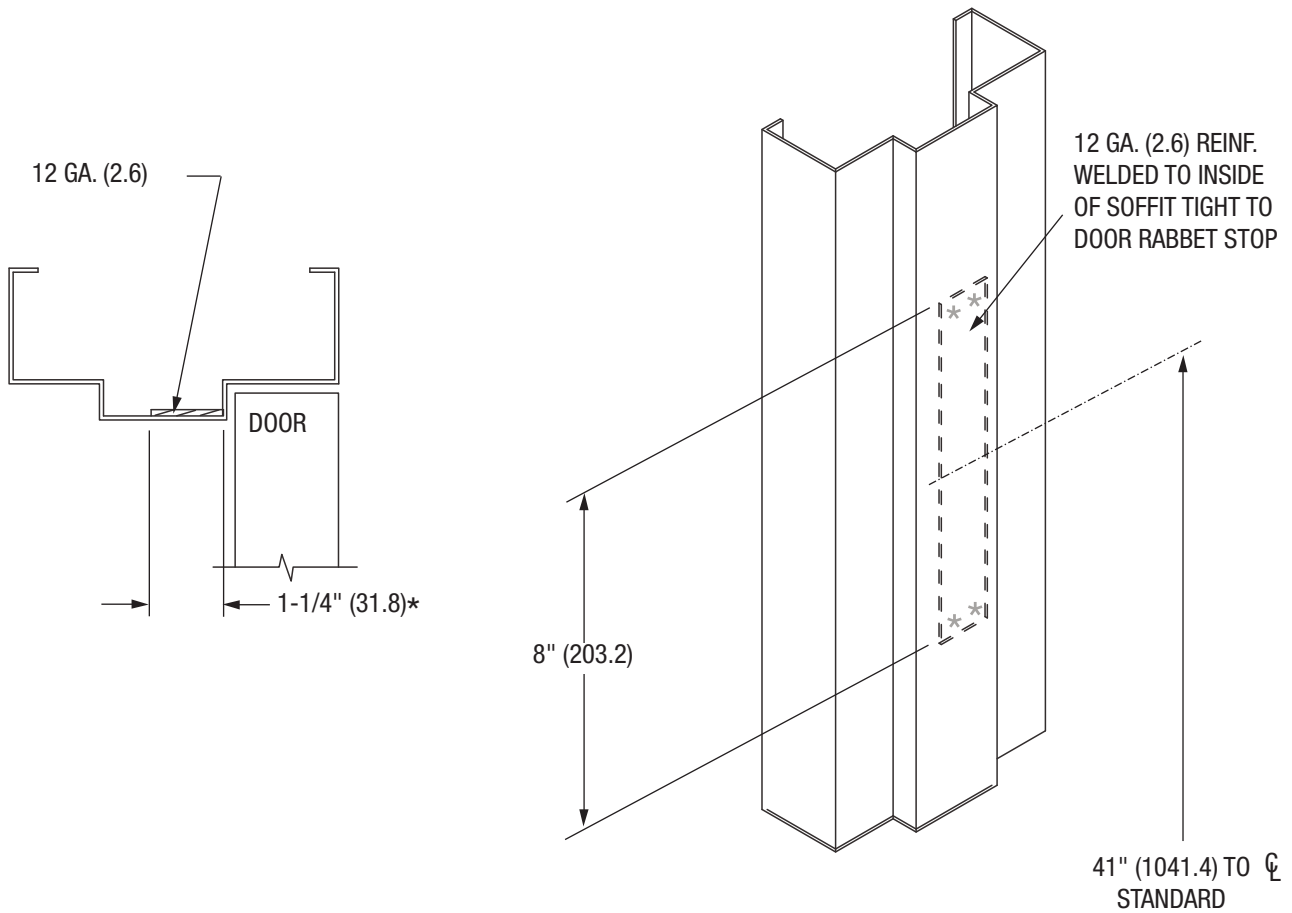
G20 Vertical Rod Exit Mortise Strike Preparation



G20 PREPARED FOR MORTISE STRIKES PER
TEMPLATE OF HARDWARE MANUFACTURER

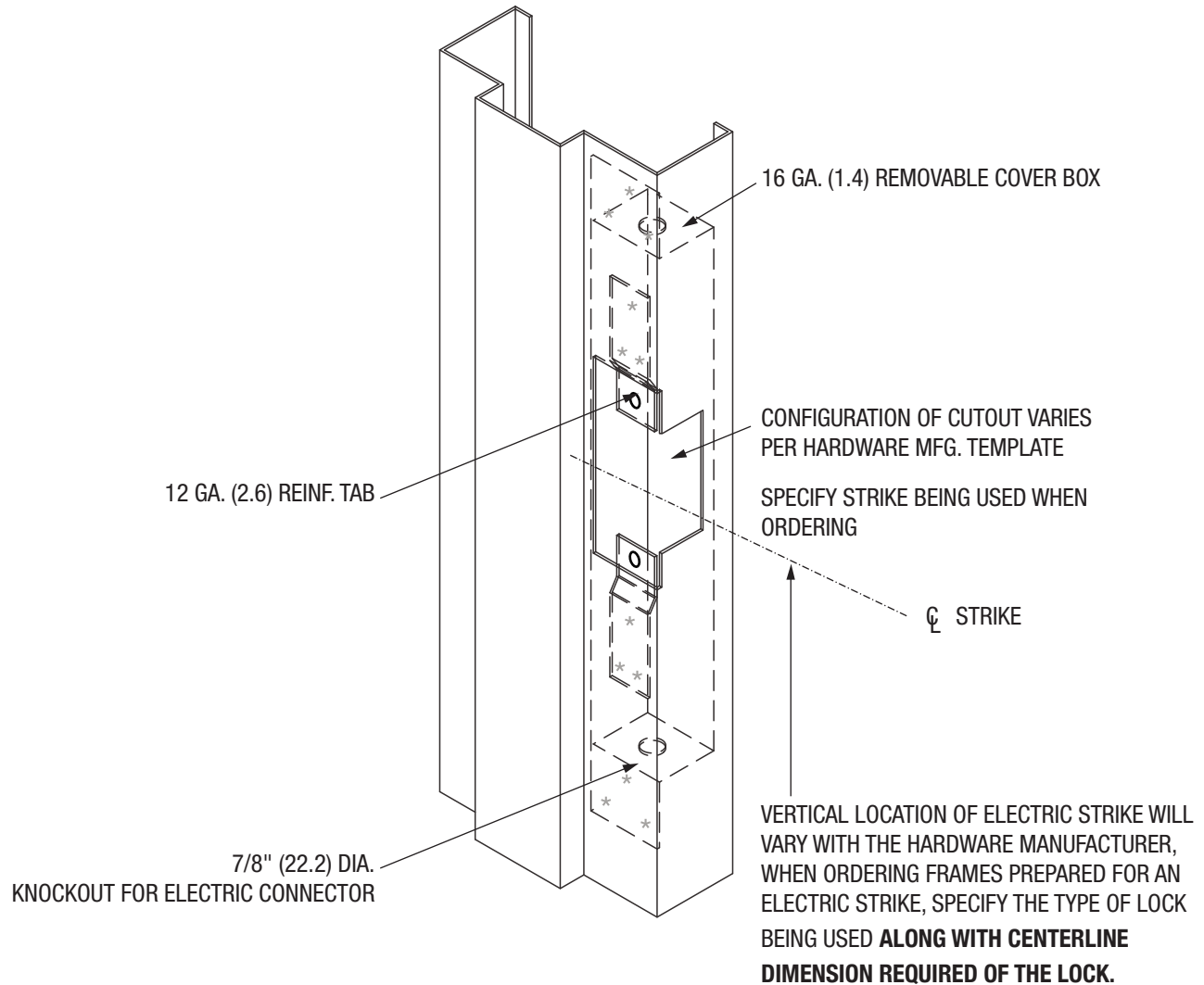
SPECIFY EXIT DEVICE AND STRIKE BEING USED WHEN ORDERING



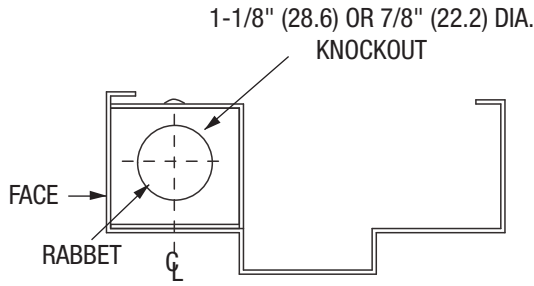


* THE REINFORCEMENT WIDTH WILL BE EQUAL TO THE SOFFIT WIDTH WHEN LESS THAN 1-1/4" (31.8). CUSTOMER SHOULD VERIFY HARDWARE COMPATIBILITY BEFORE ORDERING NARROW SOFFITS.

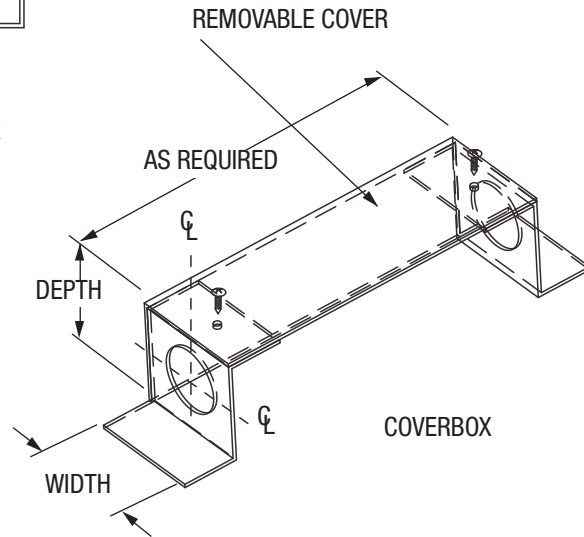
April, 2002



NOTE: FIRE RATED FRAMES INCORPORATING AN ELECTRIC STRIKE WITH A COVERBOX, REQUIRE THAT THE WALL BOARD PENETRATE THE THROAT OF THE FRAME BY 1/2" (12.7) MINIMUM. ELECTRIC STRIKE MUST BE LISTED FOR USE WITH FIRE RATED OPENINGS.



END VIEW OF FRAME AND COVERBOX

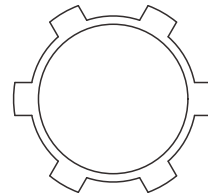


1/2" CONDUIT CONNECTORS ARE FOR 7/8" KNOCKOUT / 1-1/8" HIGH COVERBOX
 3/4" CONDUIT CONNECTORS ARE FOR 1-1/8" KNOCKOUT / 1-1/2" HIGH COVERBOX

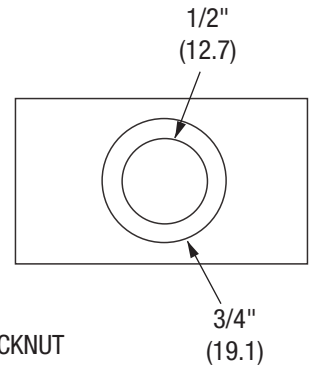
DOUBLE KNOCKOUT FOR 1/2" AND 3/4"

CONDUIT CONNECTORS ARE FOR THE 1-1/2" HIGH COVER BOX ONLY

1-1/8" HIGH COVERBOX HAS 7/8" KNOCKOUT ONLY FOR 1/2" CONDUIT CONNECTOR

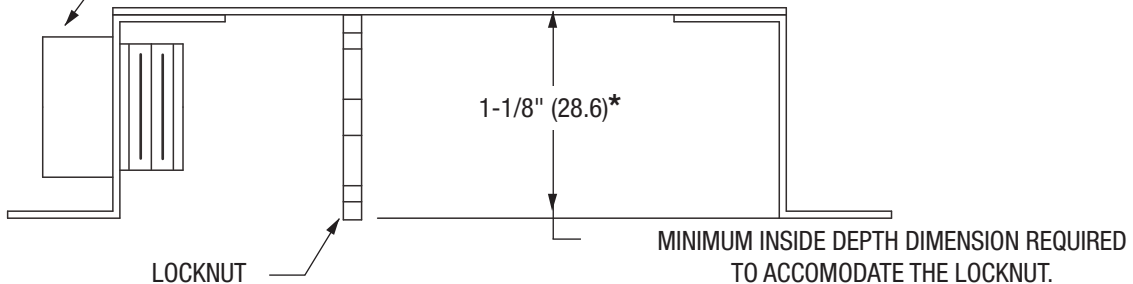


1/2" (12.7) CONDUIT CONNECTOR LOCKNUT BY OTHERS



1/2" (12.7) CONDUIT CONNECTOR BY OTHERS

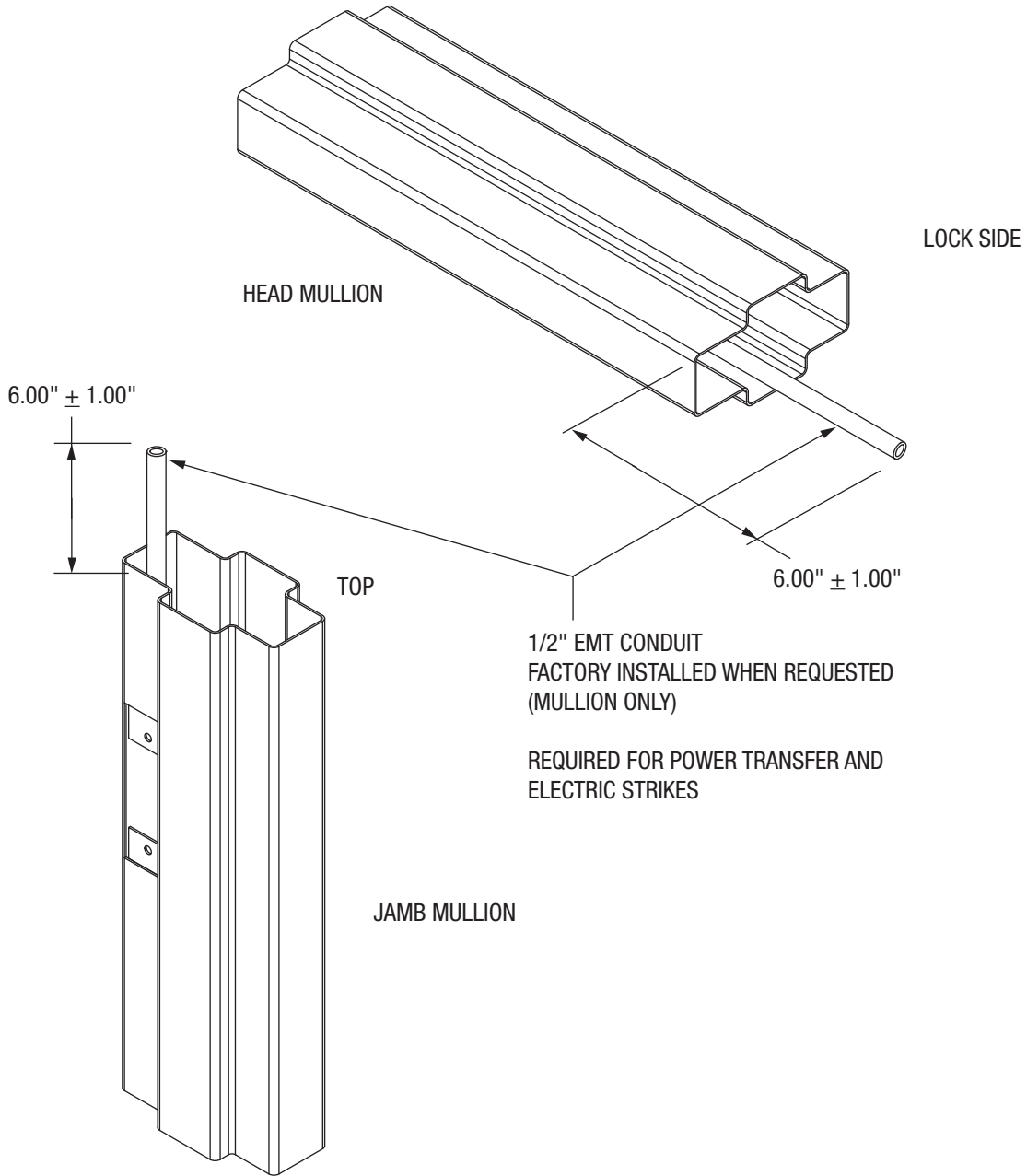
SIDE VIEW OF COVERBOX

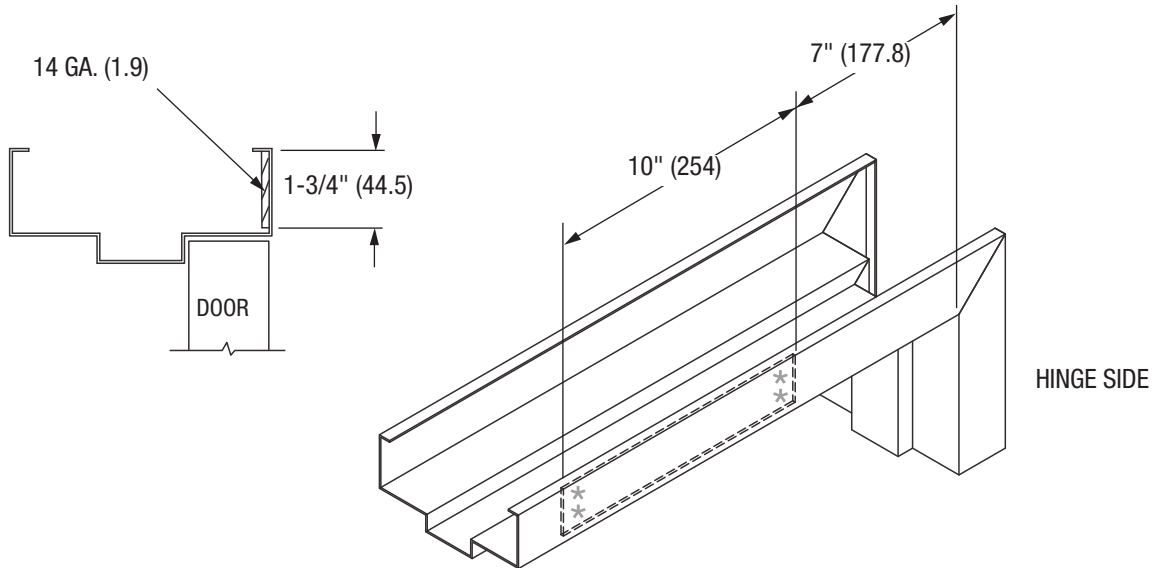


MINIMUM INSIDE DEPTH DIMENSION REQUIRED TO ACCOMODATE THE LOCKNUT.

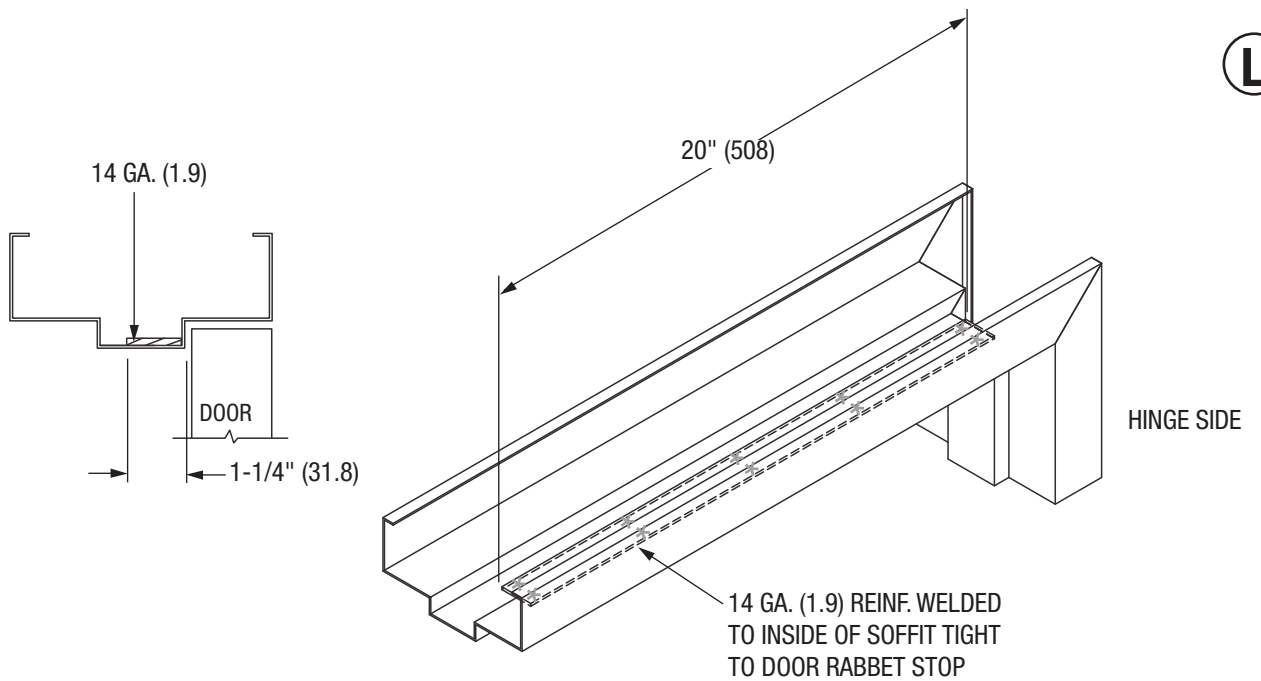
* 1-1/2" (38.1) FOR 3/4" CONDUIT CONNECTOR

March, 2013



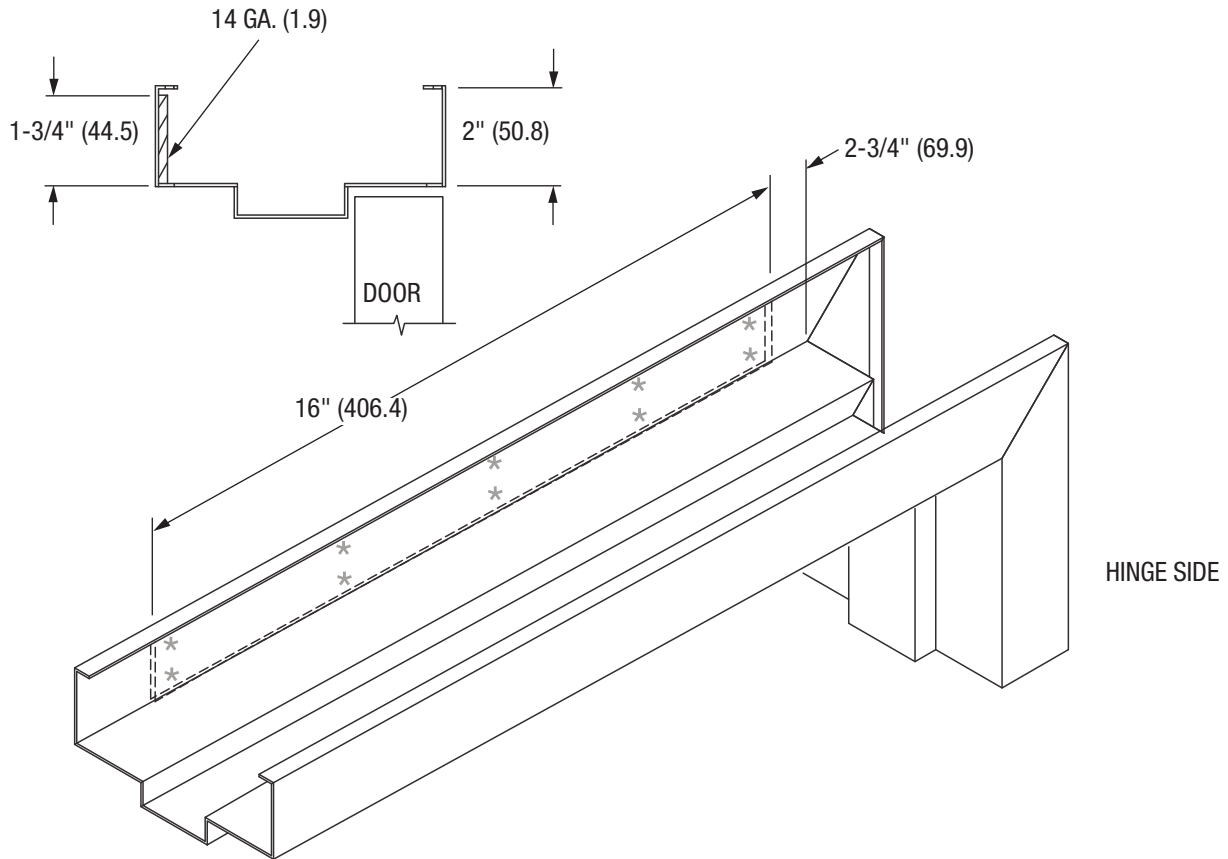


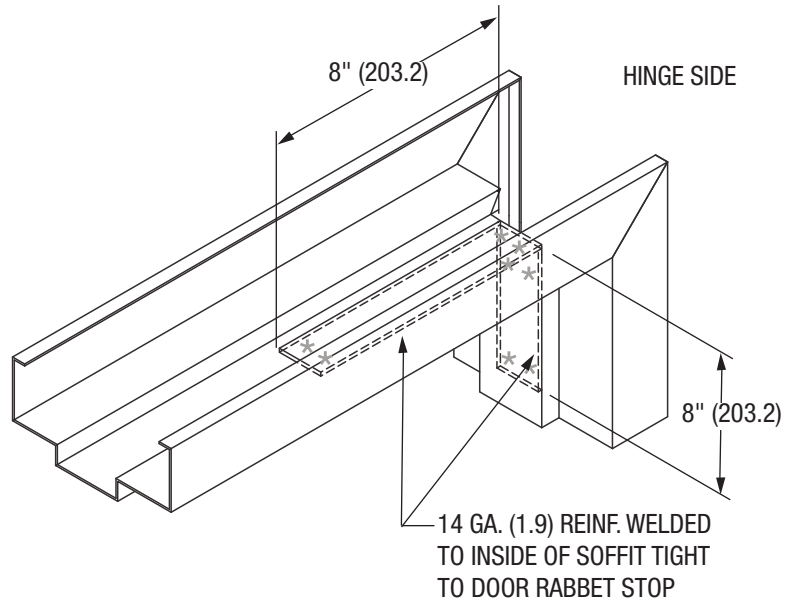
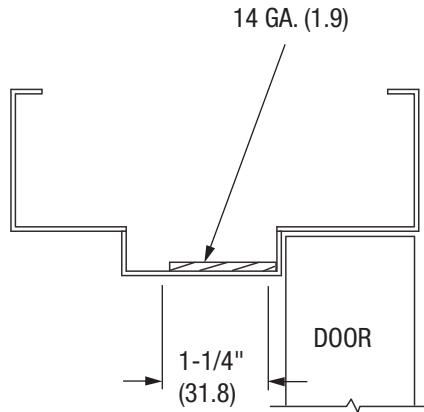
E11 Parallel Arm Mtg. 14 ga. Closer Reinf.



NOTE: WHEN SOFFIT WIDTH IS LESS THAN 1" - E16 WILL BE USED

November, 2004





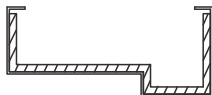
Double Egress Frame Closer Reinforcements



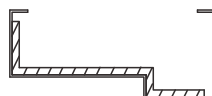
E11 -----PARALLEL ARM MOUNTING -----14 GA. (1.9)
20" (508) LONG



E10 -----REGULAR MOUNTING -----14 GA. (1.9)
10" (254) LONG
E12 -----TOP JAMB MOUNTING -----14 GA. (1.9)
16" (406.4) LONG

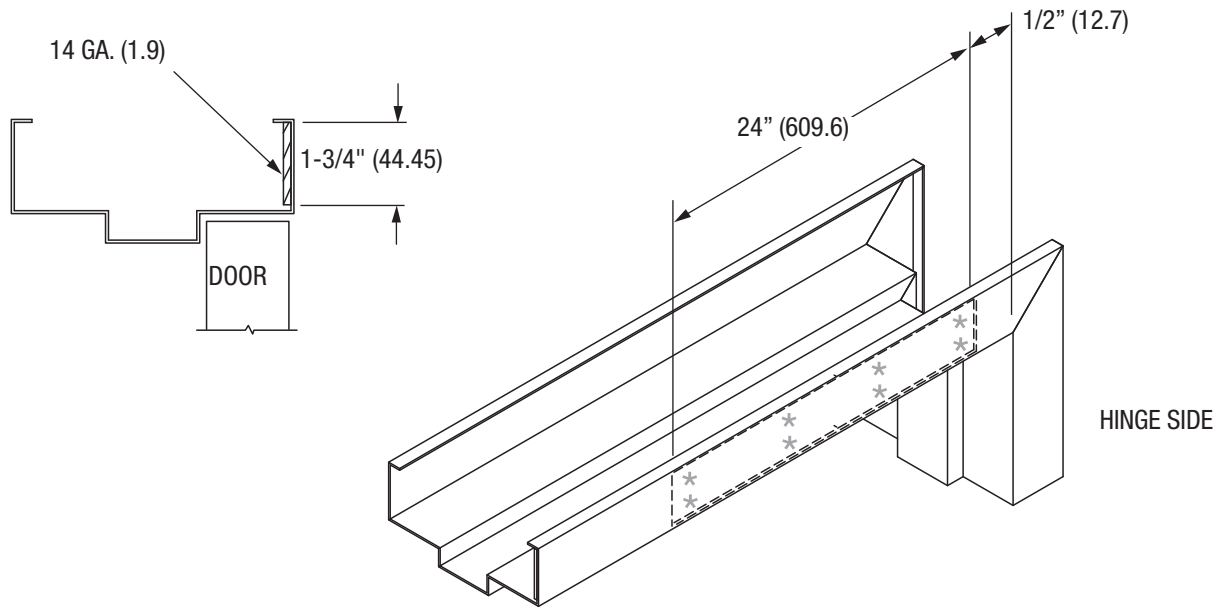


E17A -----FULL SLEEVE-----14 GA. (1.9)
REGULAR, TOP JAMB
PARALLEL ARM MOUNTINGS
16" (406.4) LONG

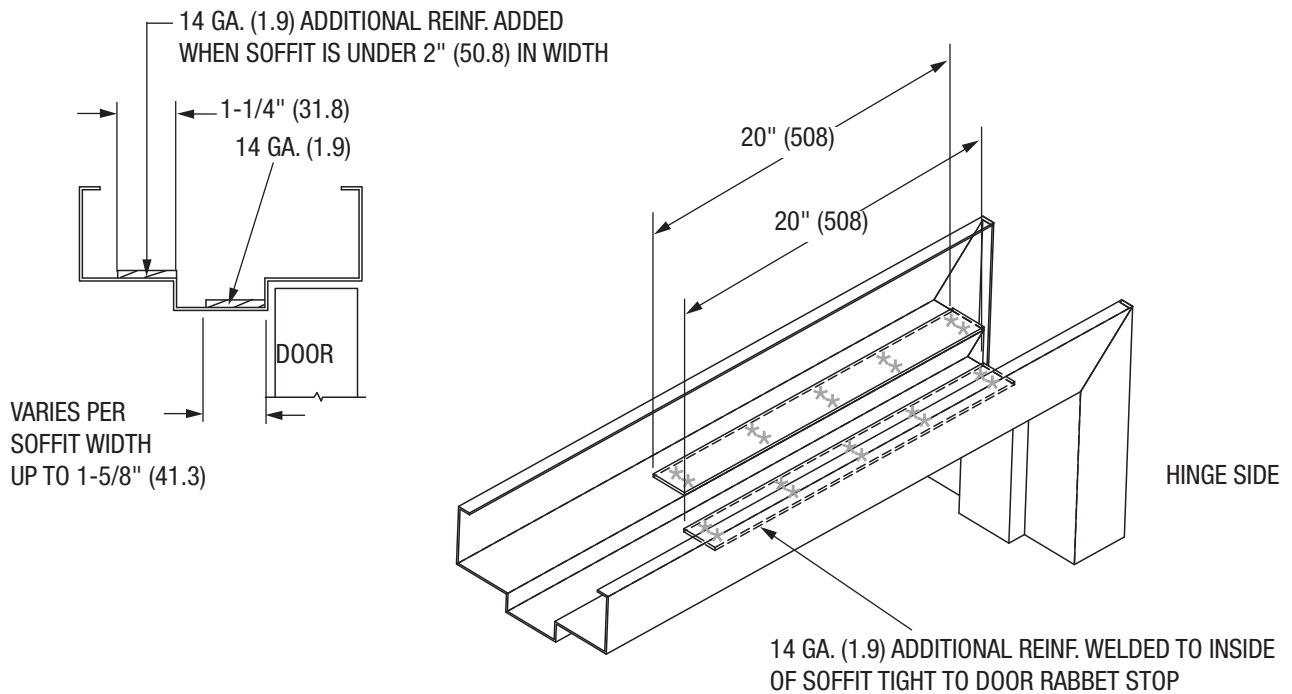


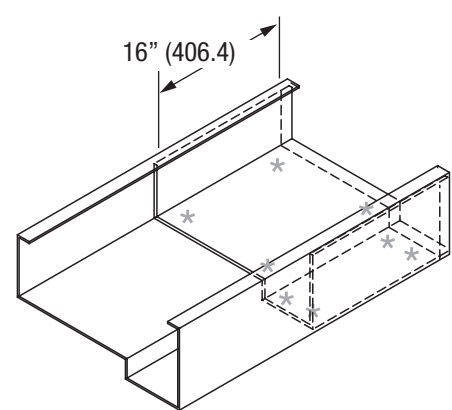
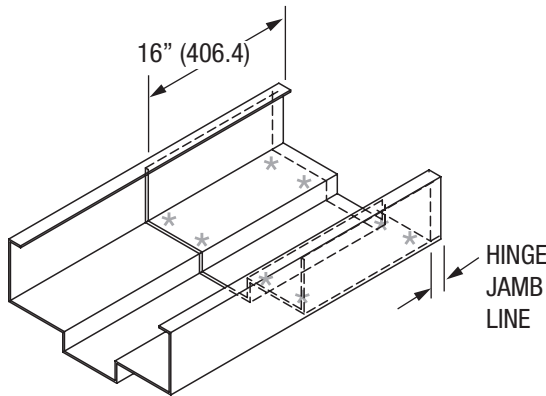
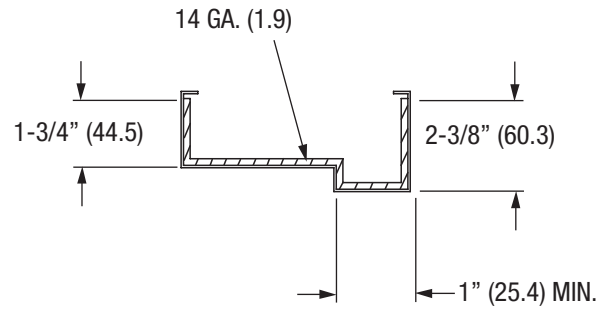
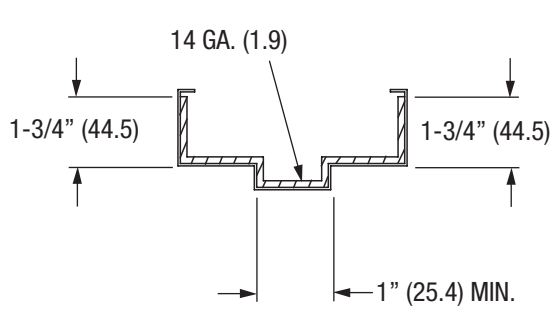
E18 -----HALF SLEEVE -----14 GA. (1.9)
REGULAR AND
PARALLEL ARM MOUNTINGS
16" (406.4) LONG

October, 2014



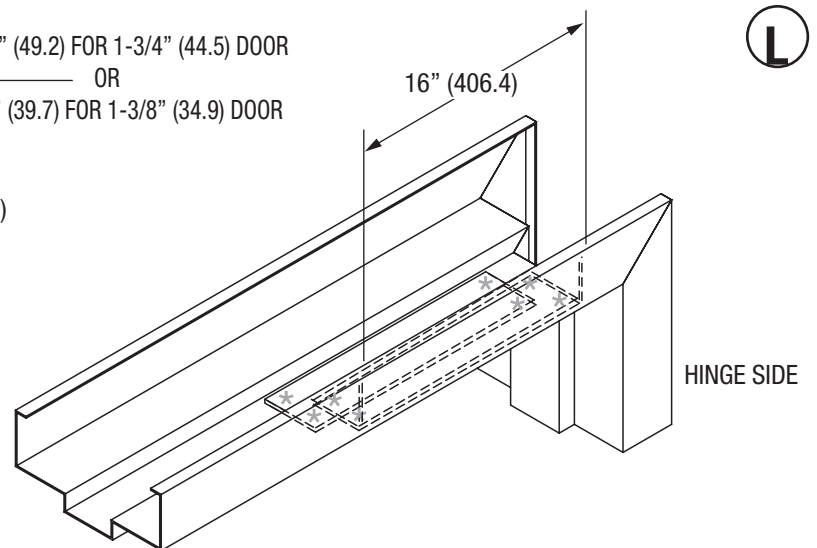
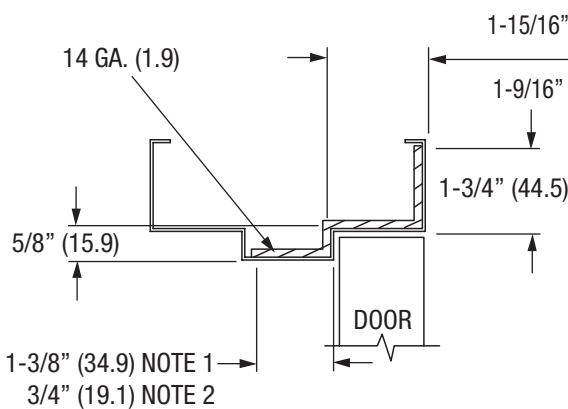
E16 Double Parallel Arm 14 ga. Closer Reinf.





NOTE: SPECIAL PROFILE REINFORCEMENT REQUIRED WHEN CLOSER IS MOUNTED TO FRAME FACE GREATER THAN 2"

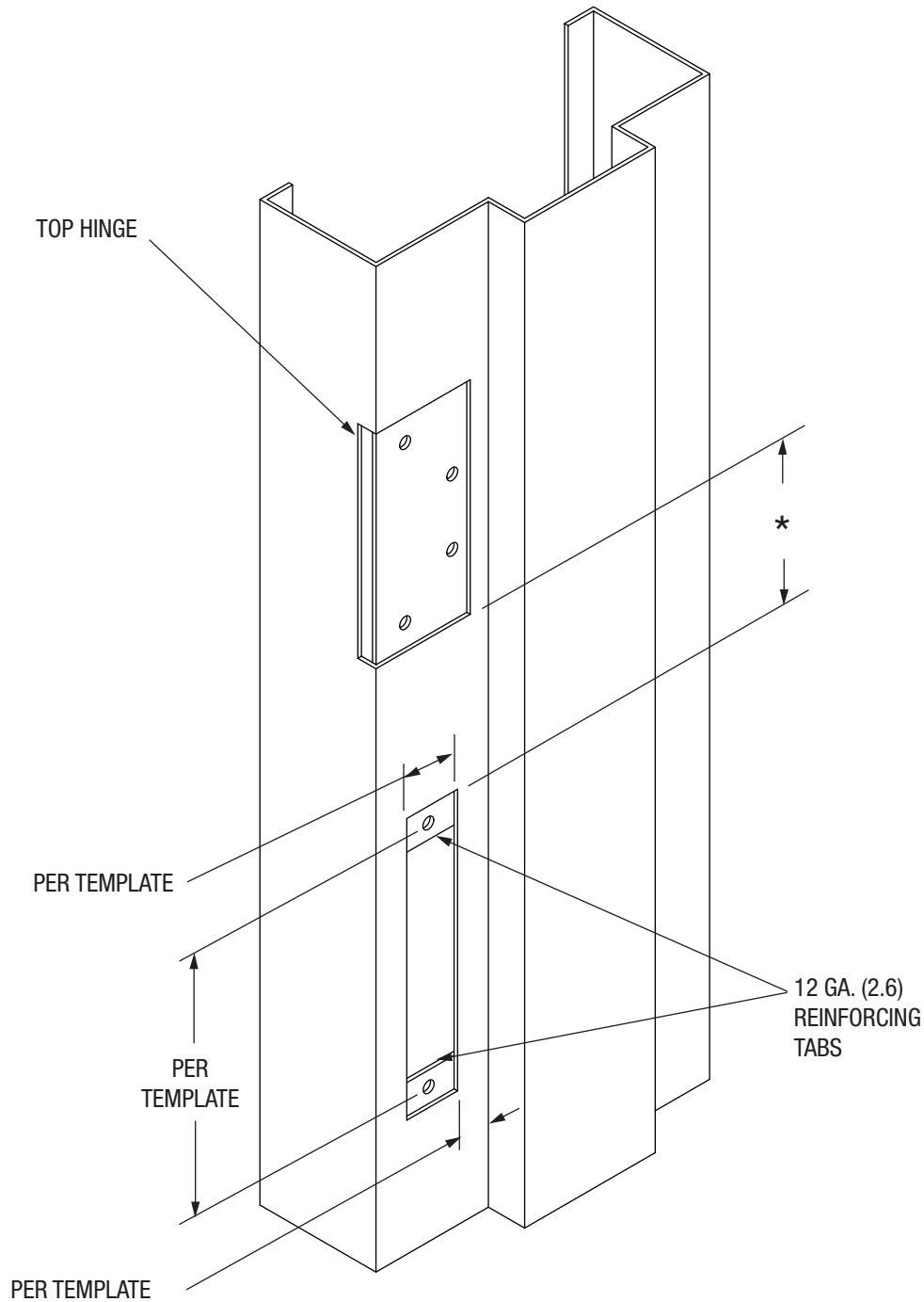
E18 14 ga. Formed Half Sleeve Closer Reinf.



NOTE:
1) 1-1/2" (38.1) MINIMUM SOFFIT REQ'D
2) 1" (25.4) MINIMUM SOFFIT REQ'D

NOTE: SPECIAL PROFILE REINFORCEMENT REQUIRED WHEN CLOSER IS MOUNTED TO FRAME FACE GREATER THAN 2"

May, 2011



- * LOCATION PER TEMPLATE. IF NO LOCATION ON TEMPLATE, THEN LOCATION MUST BE SPECIFIED WITH ORDER. THE QUANTITY OF HINGES MAY REQUIRE COORDINATION OF LOCATION WITH DOOR, (EX. 4 HINGES ON A 7'0"). WOOD DOORS MAY REQUIRE OTHER LOCATIONS

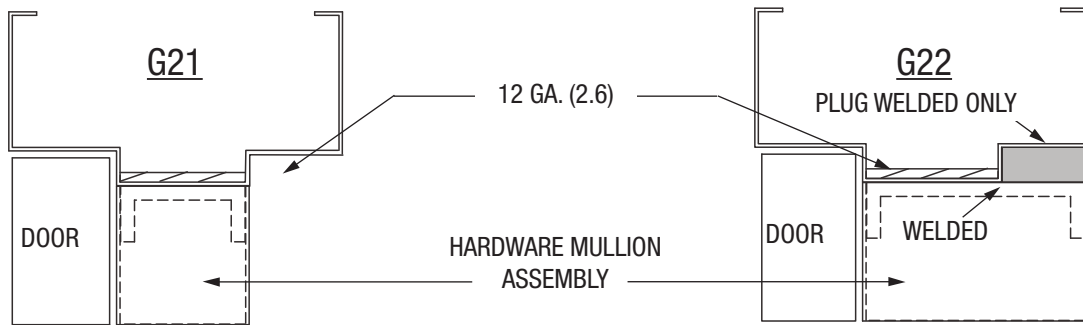


MULLION TOP BRACKET MOUNTING SCREWS TO BE DRILLED AND TAPPED IN FIELD BY HARDWARE INSTALLER.

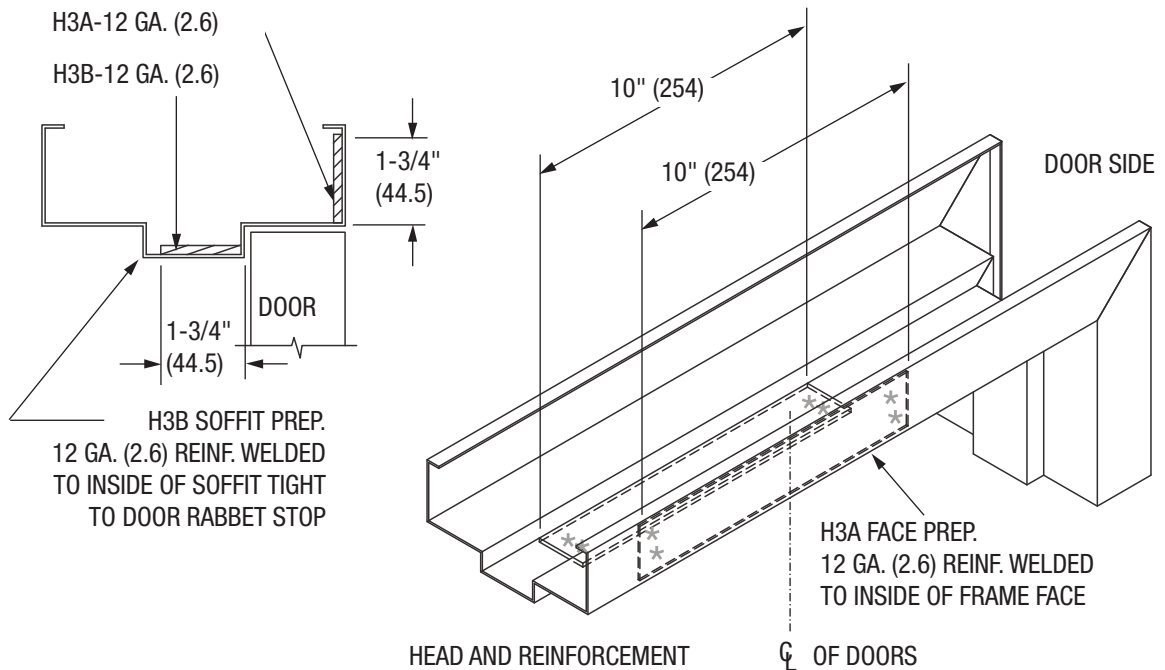
5/8" (15.9) C.R.S. FILLER BLOCK IS FURNISHED WHEN SOFFIT WIDTH IS TOO NARROW TO APPLY HARDWARE TO SOFFIT

G21 PLATE REINFORCEMENT
USED WHEN SOFFIT IS 3" (76.2) WIDE OR GREATER.

G22 PLATE REINFORCEMENT
USED WHEN SOFFIT IS LESS THAN 3" (76.2).

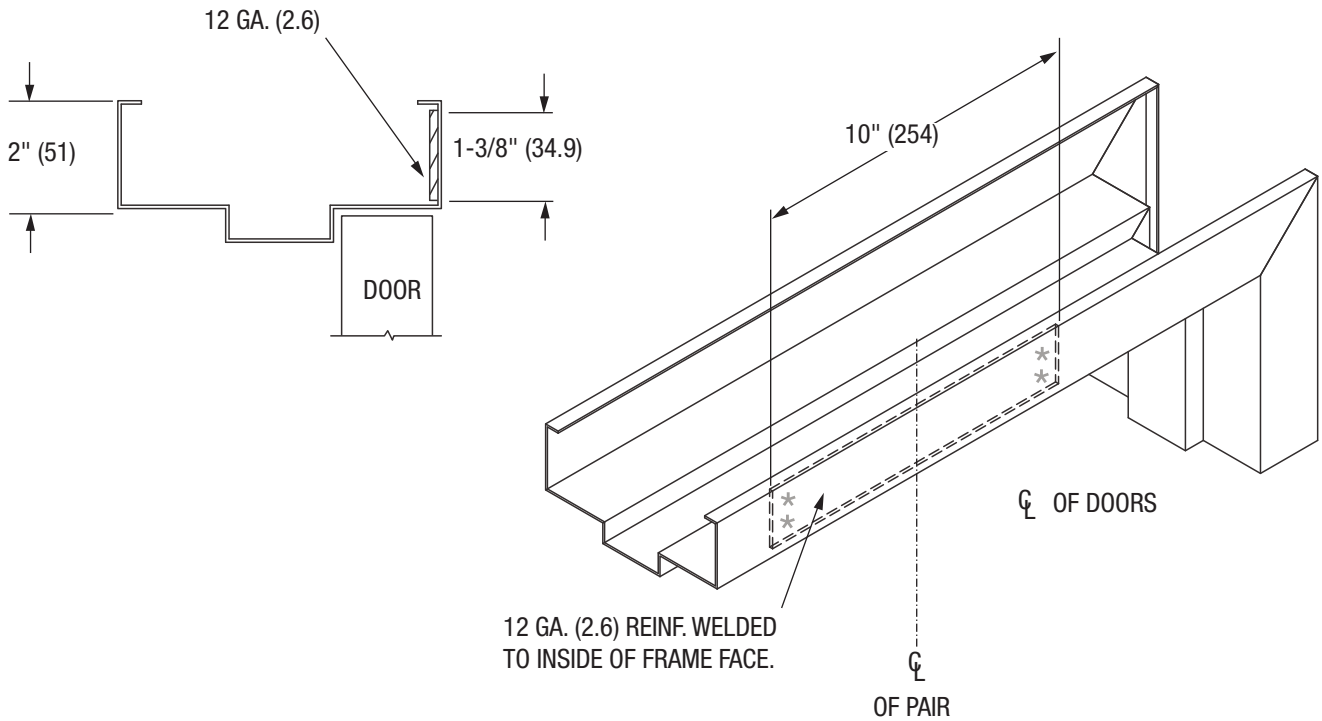


H3A - H3B Surface Bolt Preparation

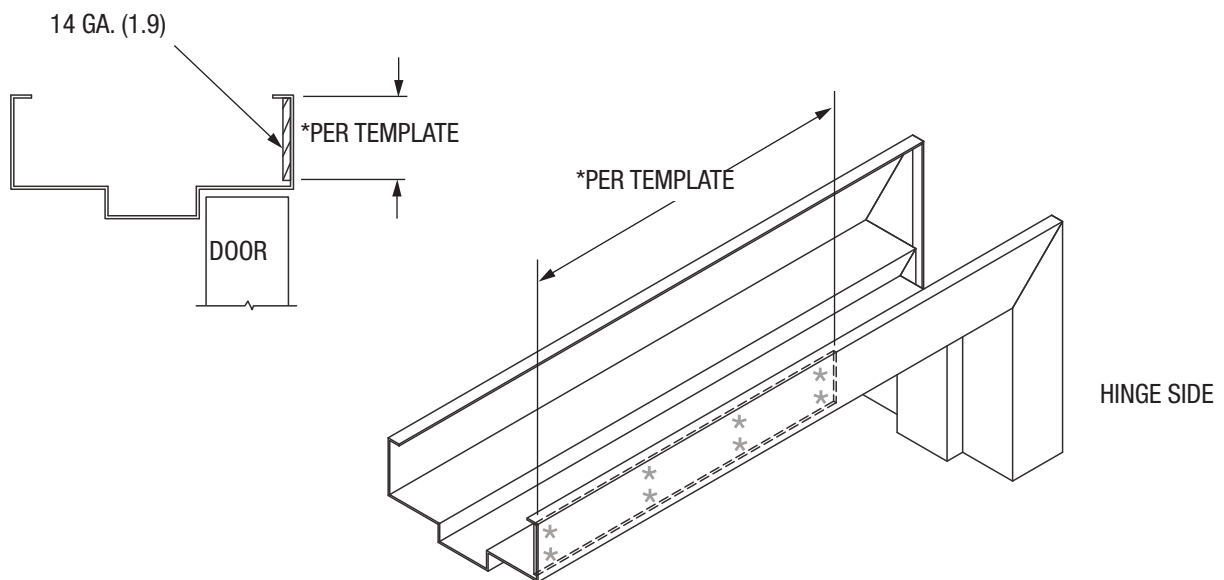


NOTE: WHEN ORDERING SPECIFY EITHER H3A OR H3B REINFORCING

October, 2014



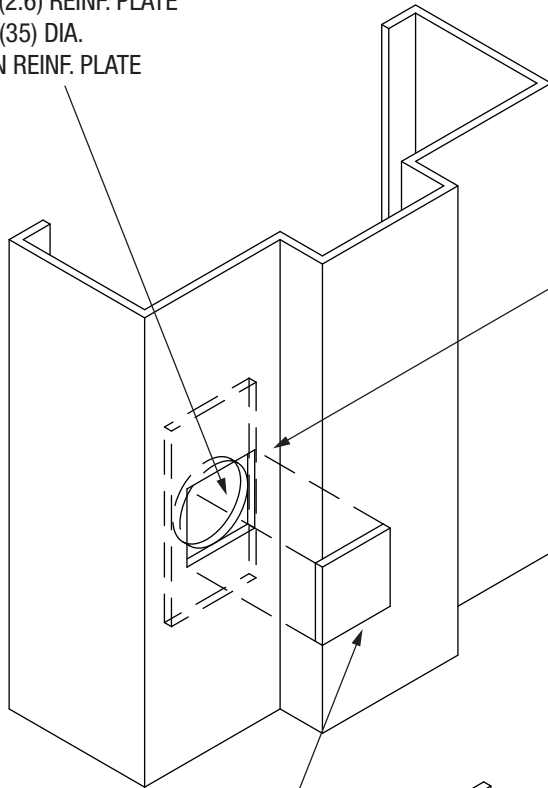
CL - Closer Reinforcement Per Template



* SPECIFY MANUFACTURER AND MODEL NUMBER WHEN ORDERING
ADVISE POWER SOURCE LOCATION IF REQUIRED



12 GA. (2.6) REINF. PLATE
1-3/8" (35) DIA.
HOLE IN REINF. PLATE

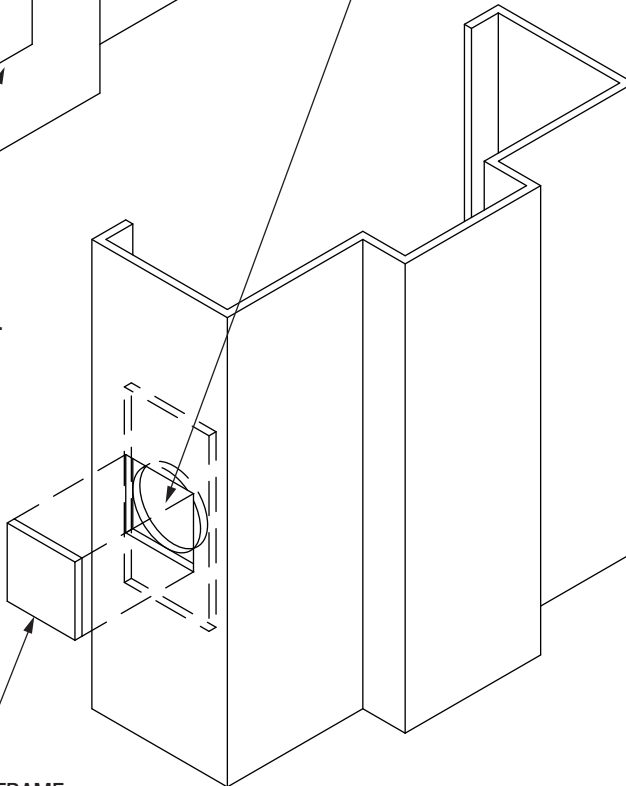


RABBET PREPARATION
(DOOR RABBET STANDARD)

12 GA. (2.6) REINF. PLATE
1-3/8" (35) DIA.
HOLE IN REINF. PLATE

FILLER PLATE
SAME GAUGE AS FRAME.
SHIPPED LOOSE.
1-3/8" X 1-3/8"
(35 X 35)

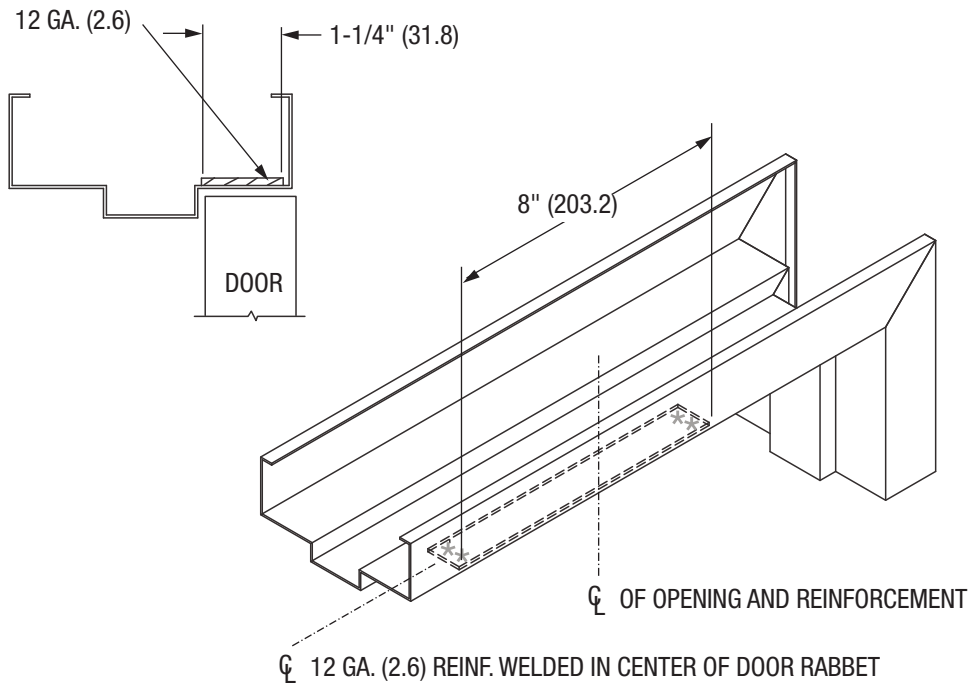
FACE PREPARATION
(DOOR FACE STANDARD)



FILLER PLATE
SAME GAUGE AS FRAME.
SHIPPED LOOSE.
1-3/8" X 1-3/8"
(35 X 35)

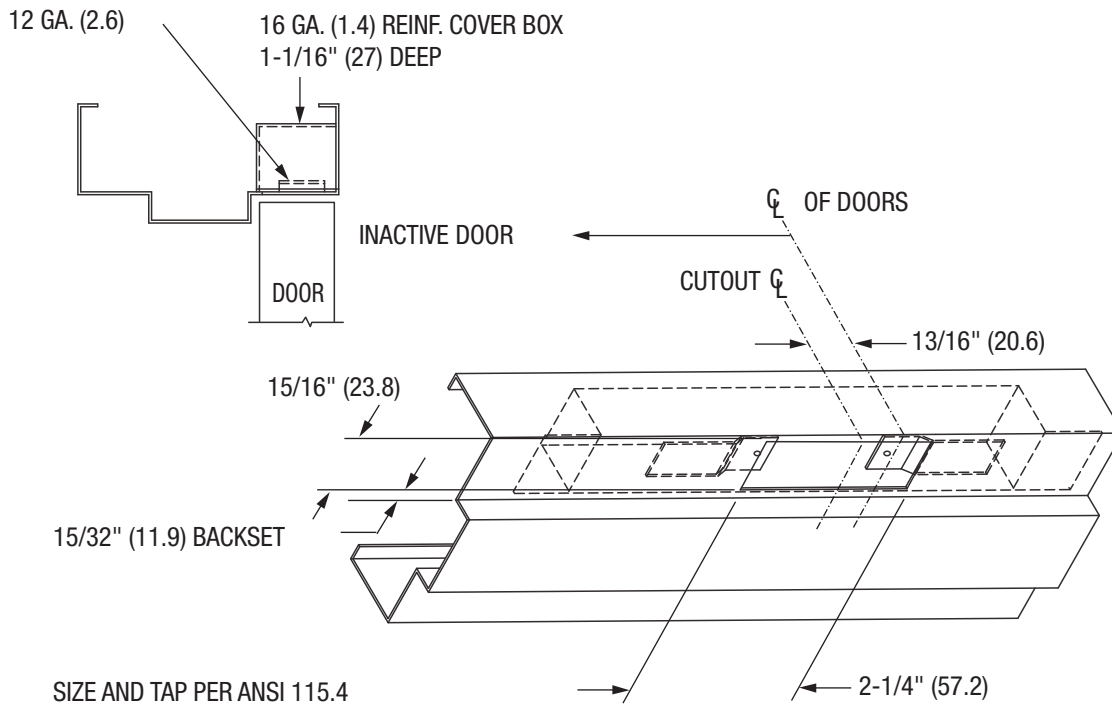
April, 2002

L



H2 Flush Bolt Prep. and Reinf. (ANSI)

L

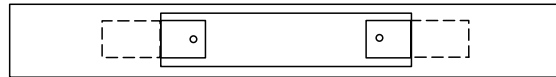




PREPARATION FOR AUTOMATIC FLUSH BOLT IS PER HARDWARE MANUFACTURER'S TEMPLATE.

PLEASE SPECIFY MANUFACTURER AND MODEL NUMBER WHEN ORDERING.

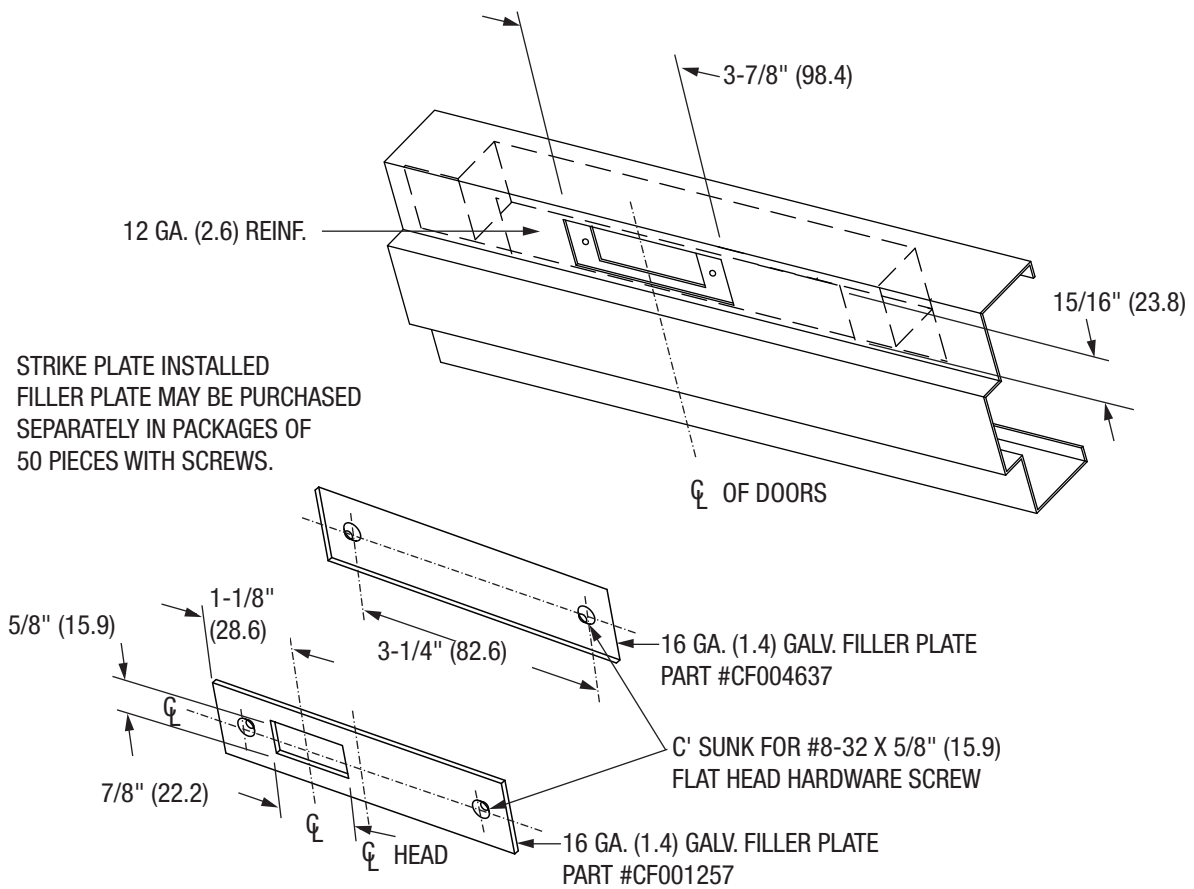
LABELLED IF HARDWARE IS APPROVED AND PREPPED TO TEMPLATE.



H5 Non-handed Flush Bolt



NOTE: STRIKE PLATE INSTALLED FILLER PLATE MAY BE PURCHASED SEPARATELY IN PACKAGES OF 50 PIECES WITH SCREWS.



April, 2002



#8 PAN HEAD SCREW.

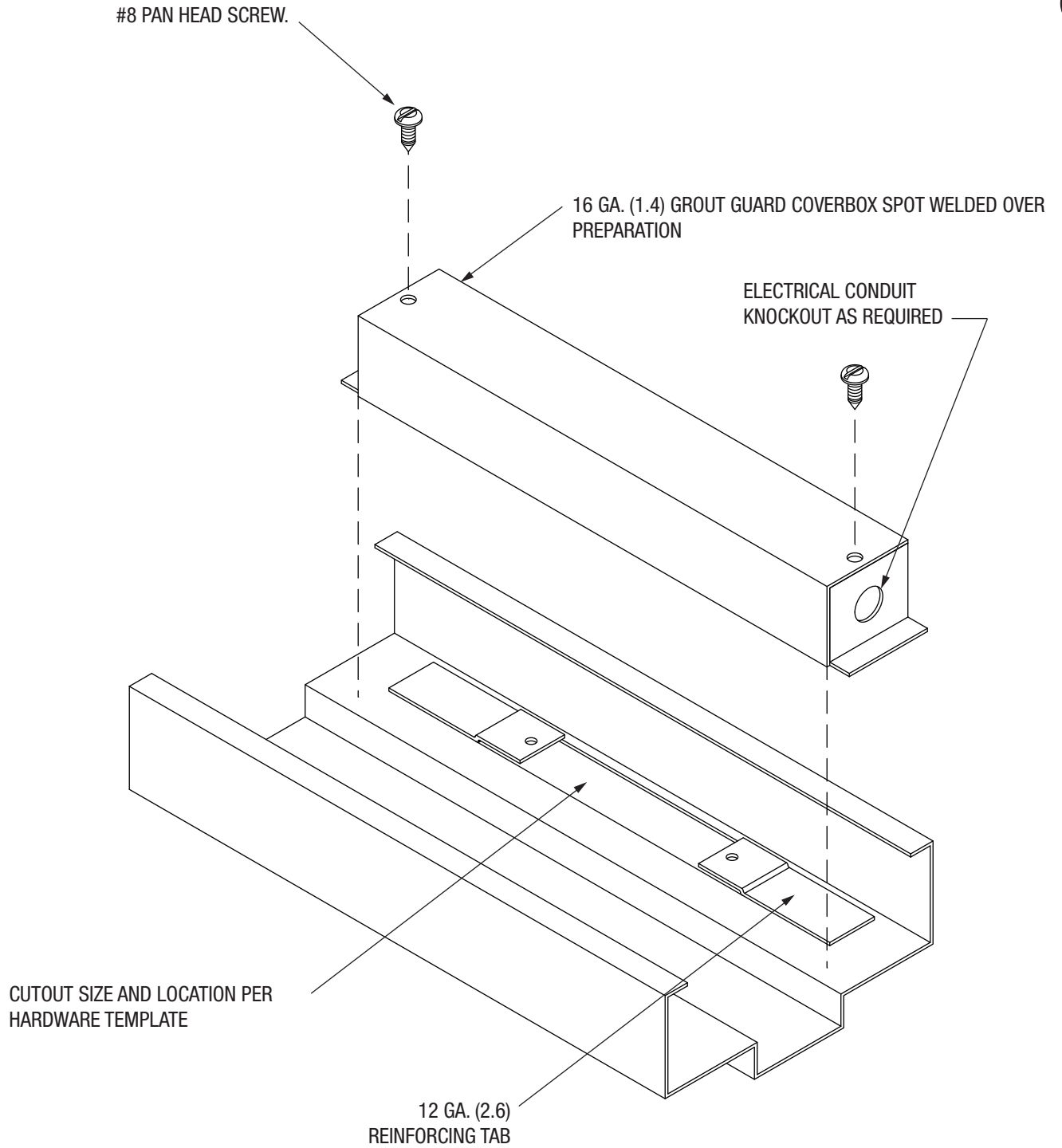
16 GA. (1.4) GROUT GUARD COVERBOX ENDS SPOT WELDED OVER PREPARATION.

ELECTRICAL CONDUIT KNOCKOUT AS REQUIRED.

CUTOUT SIZE AND LOCATION PER HARDWARE TEMPLATE

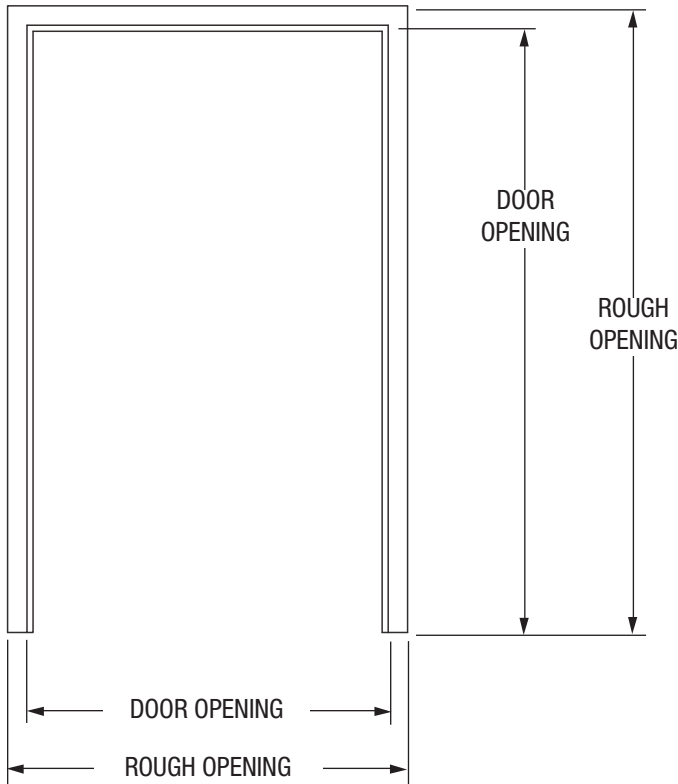
12 GA. (2.6) REINFORCING TAB.

NOTE: JUNCTION BOXES ARE NOT CAULKED AT THE FACTORY. TO BE FIELD CAULKED BY INSTALLATION CONTRACTOR.

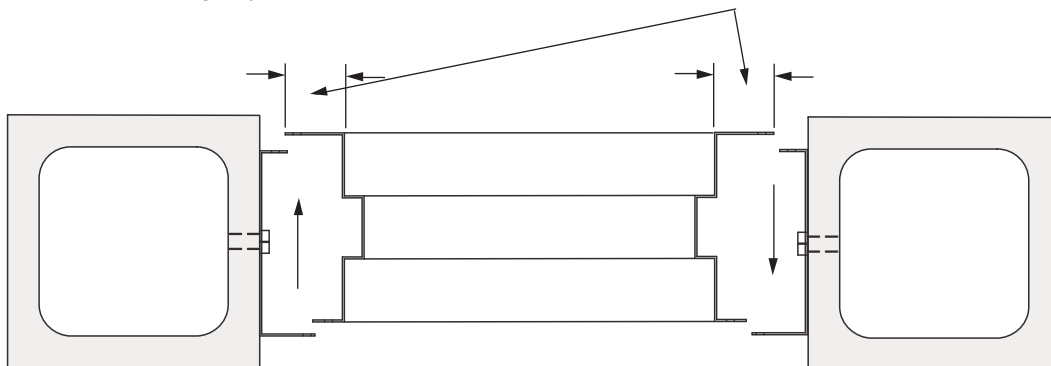
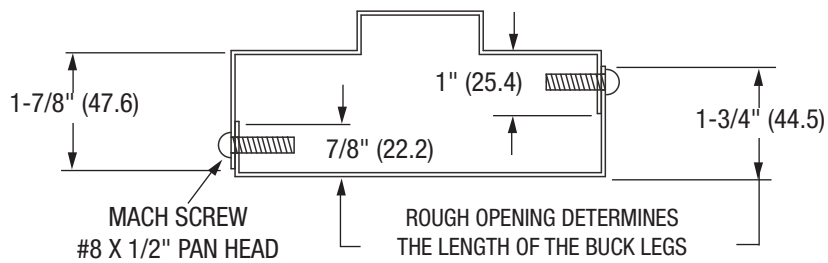


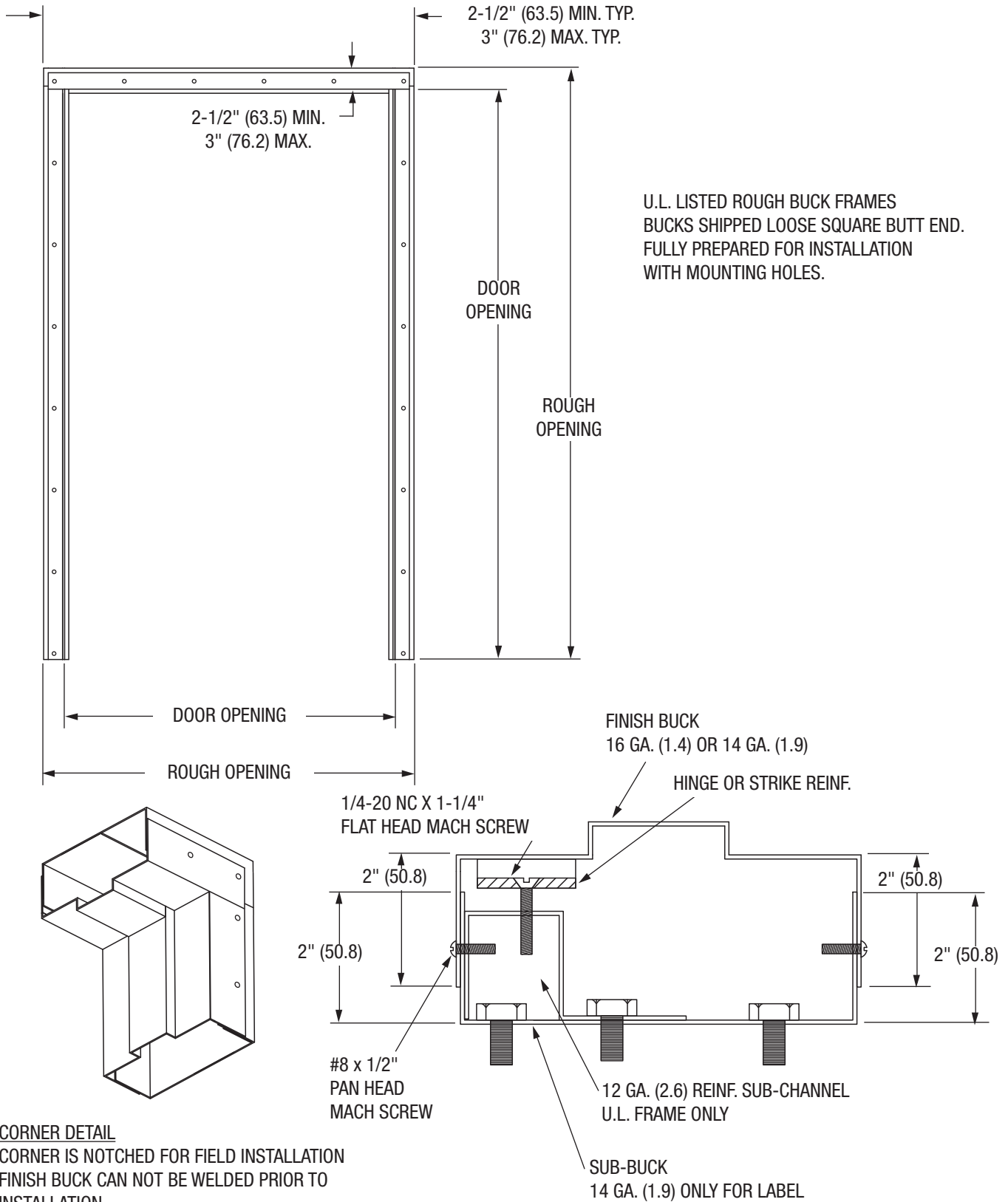
NOTE: JUNCTION BOXES ARE NOT CAULKED AT THE FACTORY. TO BE FIELD CAULKED BY INSTALLATION CONTRACTOR.

April, 2002



NOT U.L. LISTED
S.M.W. JAMB SECTION
BUCKS SHIP LOOSE SQUARE BUTT END
FIELD ASSEMBLED WITH SCREWS
OR WELDED





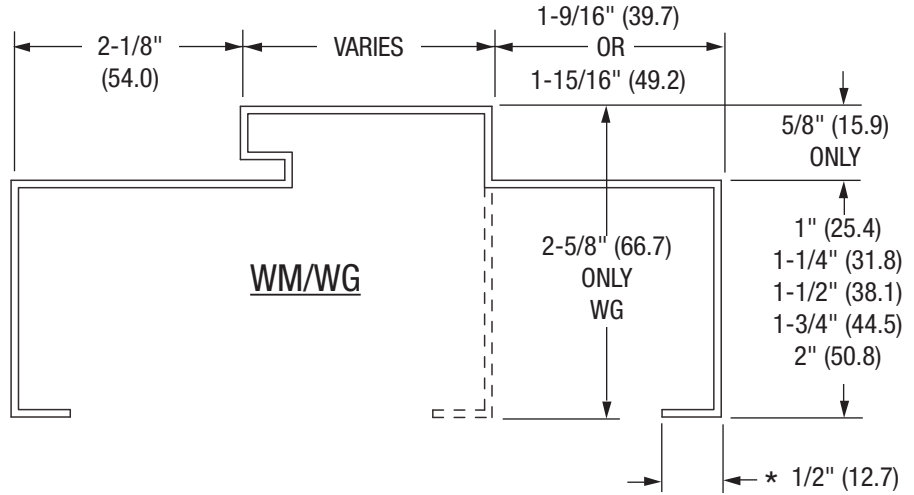
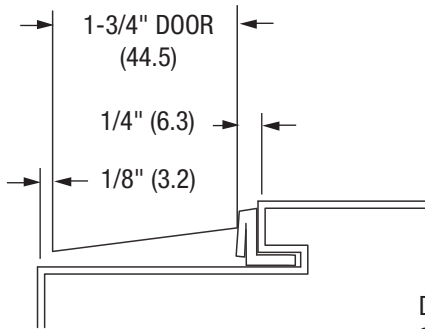
CORNER DETAIL
CORNER IS NOTCHED FOR FIELD INSTALLATION
FINISH BUCK CAN NOT BE WELDED PRIOR TO
INSTALLATION.

NOTE: LABEL FRAMES FURNISHED WITH ATTACHING SCREWS AND BOLTS FOR ASSEMBLY

September, 2003



CURRISEAL
ACTUAL SIZE
COLOR: DARK BROWN



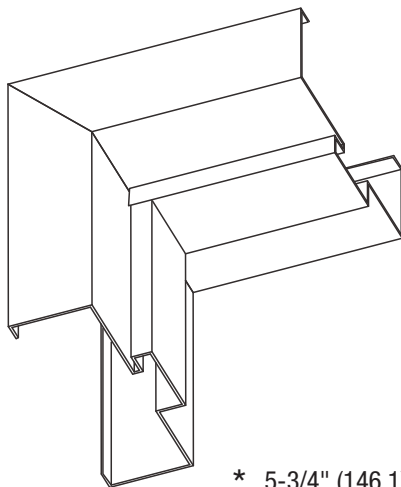
K.D. "M" TYPE FLUSH
GAUGE - 18 GA. (1.2), 16 GA. (2.4), 14 GA. (1.9)
JAMB DEPTHS:

DOUBLE RABBET (WM) 5-1/4" (133.4) - 14" (355.6) (1/8" (3.2) INCREMENTS)
SINGLE RABBET (WG) 4-1/8" (104.8) - 14" (355.6) (1/8" (3.2) INCREMENTS)
AVAILABLE WITH 4" (101.6) FACE HEADS
DOUBLE RABBET AVAILABLE IN COMMUNICATING FRAMES
WITH A 6-1/2" (165.1) MIN. JAMB DEPTH

HARDWARE RESTRICTIONS

- NOT RECOMMENDED
- CLOSERS WITH REMOVABLE STOPS
 - VERTICAL ROD DEVICES WITH STRIKES MORTISED IN THE STOP
 - STOP ACTIVATED VERTICAL ROD DEVICES

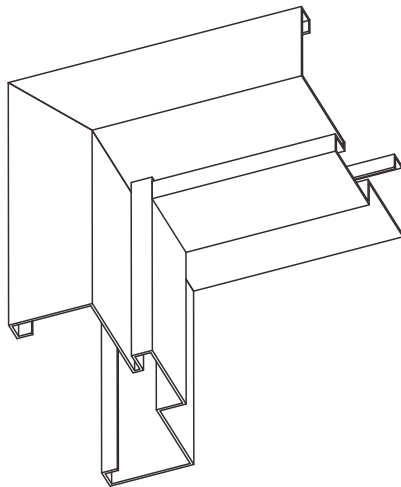
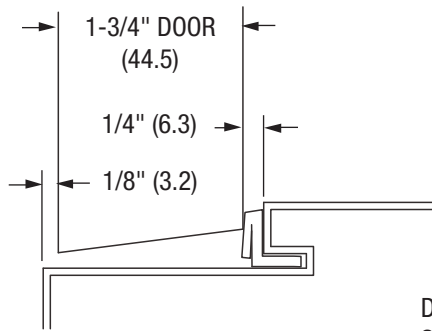
NOTE: SOFFIT MOUNTED SURFACE HARDWARE MAY REQUIRE ± 1/8" (3.2) ADJUSTMENT OF MOUNTING HOLES TO ACCOMMODATE WEATHERSTRIP AND ENSURE NORMAL DOOR OPERATION.



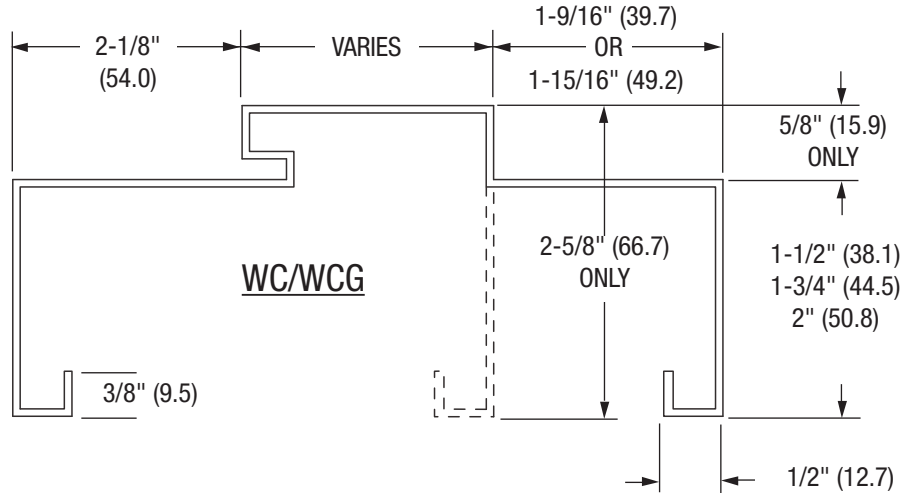
KD CORNER

* 5-3/4" (146.1) JAMB DEPTH AVAILABLE WITH 7/16" (11.1) RETURNS TO PROVIDE A 4-7/8" (123.8) THROAT OPENING

CURRISEAL FRAME IS DESIGNED FOR USE WITH THE CURRISEAL ONLY



KD CORNER



K.D. "C" TYPE DRYWALL

GAUGE - 18 GA. (1.2), 16 GA. (2.4), 14 GA. (1.9)

JAMB DEPTHS:

DOUBLE RABBET (WC) 5-1/4" (133.4) - 14" (355.6) (1/8" (3.2) INCREMENTS)

SINGLE RABBET (WCG) 4-1/8" (104.8) - 14" (355.6) (1/8" (3.2) INCREMENTS)

DOUBLE RABBET AVAILABLE IN COMMUNICATING FRAMES WITH A 6-1/2" (165.1) MIN. JAMB DEPTH

HARDWARE RESTRICTIONS

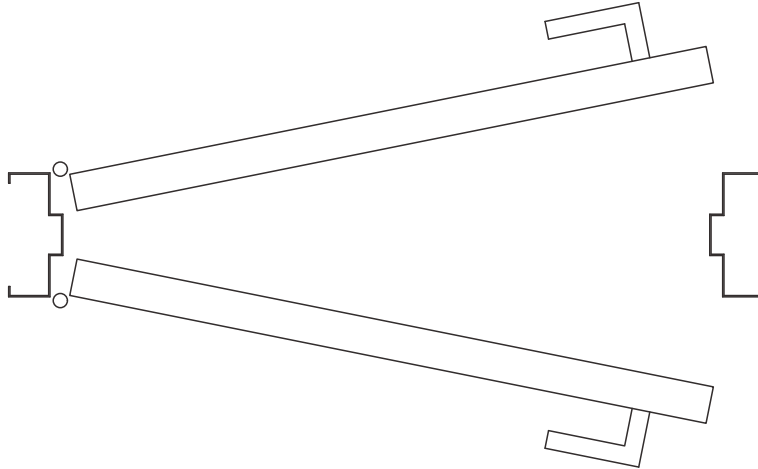
NOT RECOMMENDED

- CLOSERS WITH REMOVABLE STOPS
- VERTICAL ROD DEVICES WITH STRIKES MORTISED IN THE STOP
- STOP ACTIVATED VERTICAL ROD DEVICES

NOTE: SOFFIT MOUNTED SURFACE HARDWARE MAY REQUIRE ± 1/8" (3.2) ADJUSTMENT OF MOUNTING HOLES TO ACCOMODATE WEATHERSTRIP AND ENSURE NORMAL DOOR OPERATION.

CURRISEAL FRAME IS DESIGNED FOR USE WITH THE CURRISEAL ONLY

April, 2002



NOTE:
U.L. AND W.H.I. LABELED FRAMES MAY BE PROVIDED
WITH COMPRESSION TYPE ANCHORING SYSTEM.

“M” PROFILE FLUSH K.D.

“C” & “CM” PROFILE DRYWALL



EQUAL RABBET
1-15/16" (49.2) FOR 1-3/4" (44.5) DOORS
4-7/8" (117.5) THRU 14" (355.6) JAMB DEPTH



EQUAL RABBET
1-15/16" (49.2) FOR 1-3/4" (44.5) DOORS
4-7/8" (117.5) THRU 14" (355.6) JAMB DEPTH



UNEQUAL RABBET
1-15/16" (49.2) X 1-9/16" (39.7) FOR
1-3/4" (44.5) X 1-3/8" (34.9) DOORS
4-1/2" (114.3) THRU 14" (355.6) JAMB DEPTH



UNEQUAL RABBET
1-15/16" (49.2) X 1-9/16" (39.7) FOR
1-3/4" (44.5) X 1-3/8" (34.9) DOORS
4-1/2" (114.3) THRU 14" (355.6) JAMB DEPTH



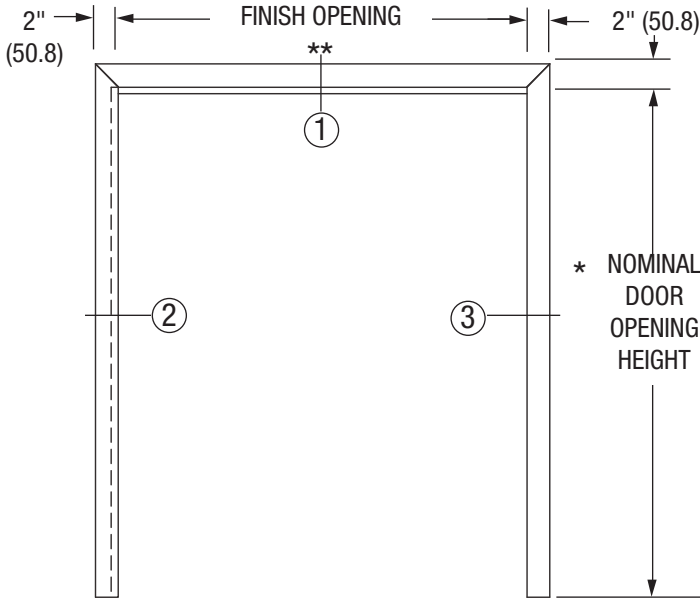
EQUAL RABBET
1-9/16" (39.7) FOR 1-3/8" (34.9) DOORS
4-7/8" (117.5) THRU 14" (355.6) JAMB DEPTH



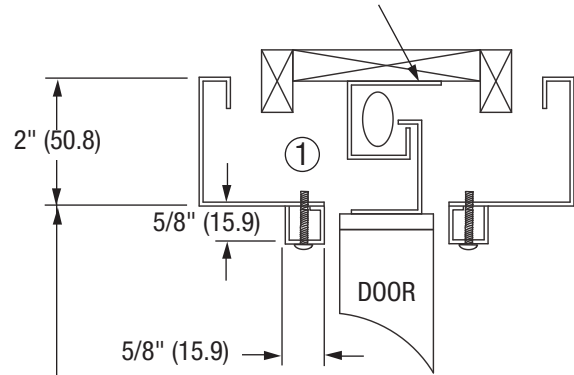
EQUAL RABBET
1-9/16" (39.7) FOR 1-3/8" (34.9) DOORS
4-7/8" (117.5) THRU 14" (355.6) JAMB DEPTH

Pocket Door Frame - Standard 1-3/8" or 1-3/4" Door Single
Frame Technical Data

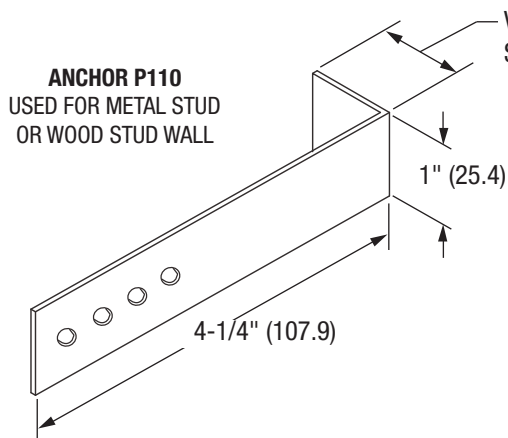
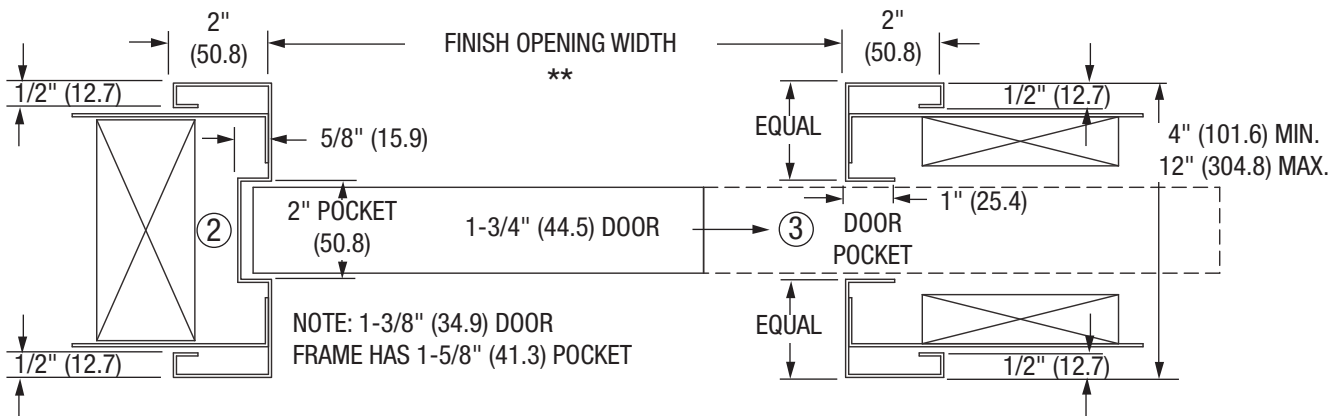
March, 2011



TRACK HARDWARE & REINFORCEMENT PROVIDED BY OTHERS



VERIFY HARDWARE ADAPTABILITY
FRAME MUST BE INSTALLED AND
HARDWARE TRACK MUST BE HUNG PRIOR TO FINISH
WALL STUDS BEING SET.
AVAILABLE IN 18 GA. (1.2) AND 16 GA. (1.4) STEEL.



VARIES WITH JAMB DEPTH & STUD SIZE.
SPECIFY STUD SIZE WHEN ORDERING.

** FRAME FINISHED OPENING WIDTH SHOULD BE ORDERED 1" LESS THAN DESIRED NET DOOR SIZE.
EXAMPLE: A 3'0" (914.4) POCKET FRAME WILL HAVE FINISH OPENING WIDTH OF 2'11" (889). THIS ALLOWS THE USE OF STANDARD DOOR WIDTHS.

* FINISH OPENING HEIGHT IS NOMINAL DOOR HEIGHT USING CURRIES STANDARD DOOR UNDERCUT.

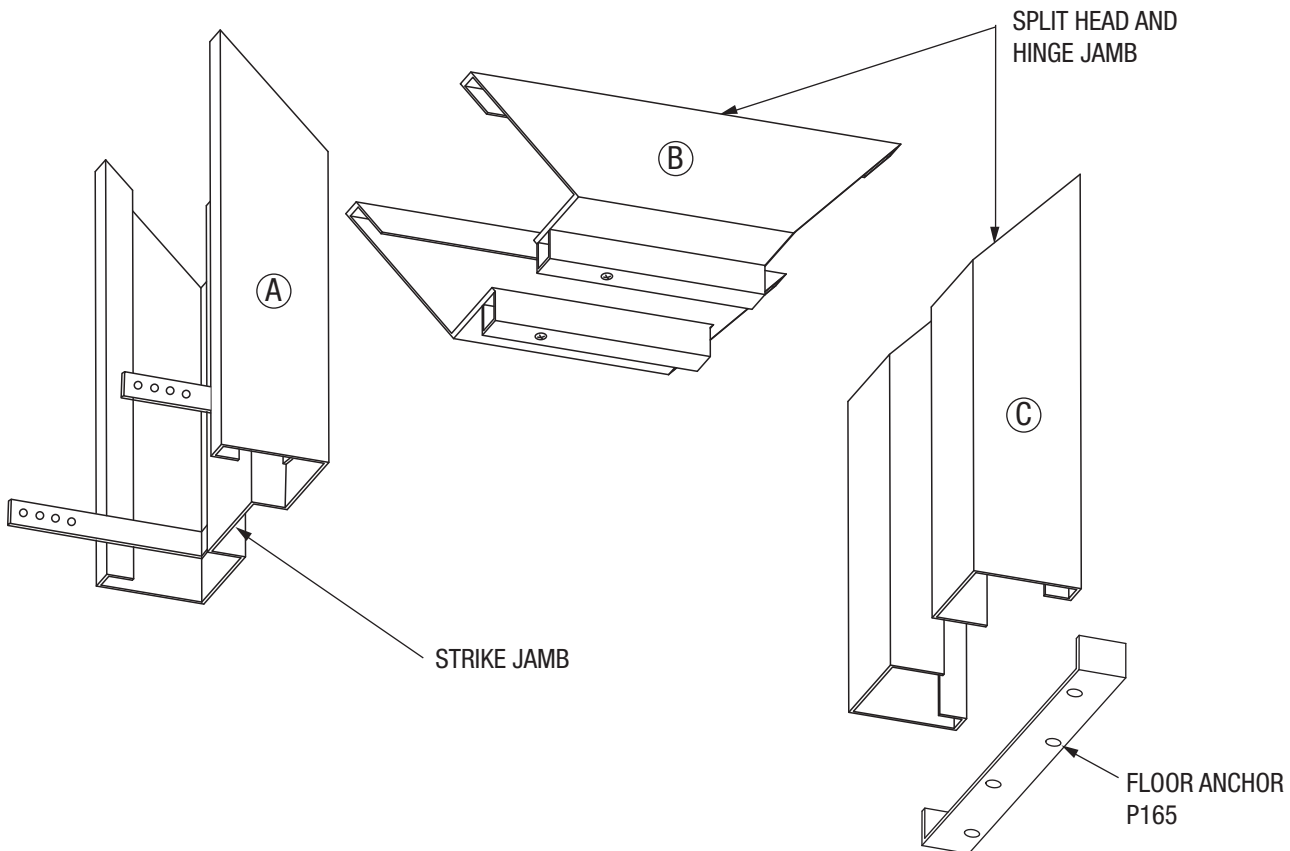
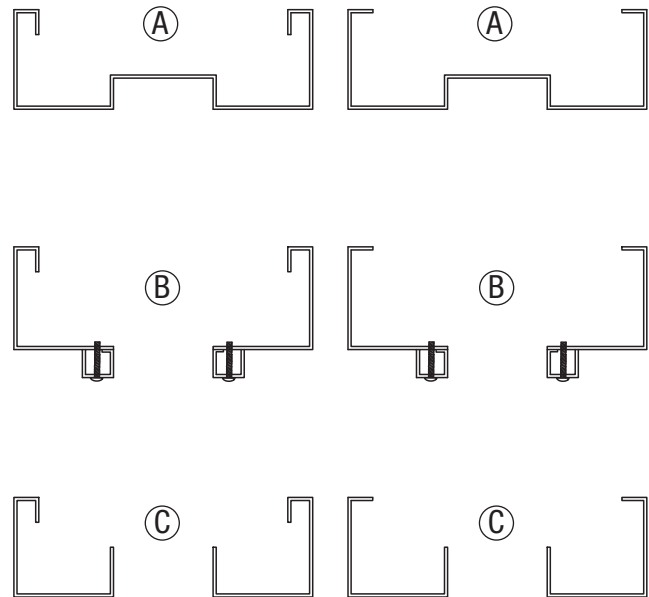
March, 2011



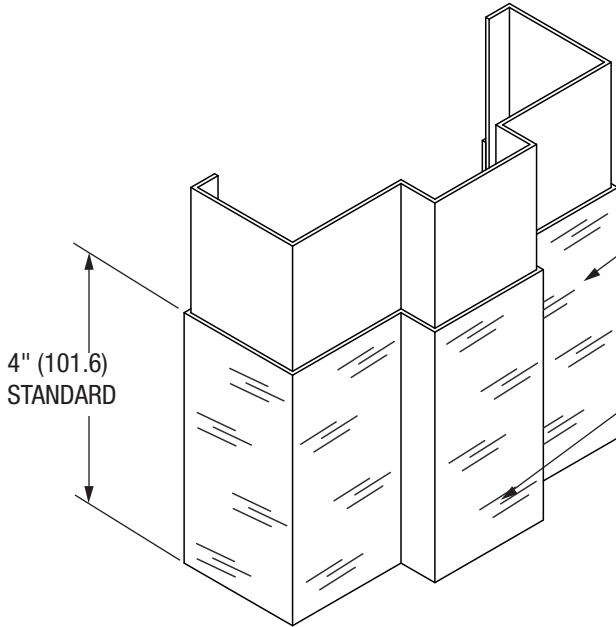
1. MITER HEAD AND JAMB AT 45°
2. CLAMP AND TACK WELD AT BACKBEND AND FACE.
3. CONTINUOUS WELD INSIDE SEAM.
4. GRIND AND FINISH OUTSIDE SURFACES.

2 PC

2 PM



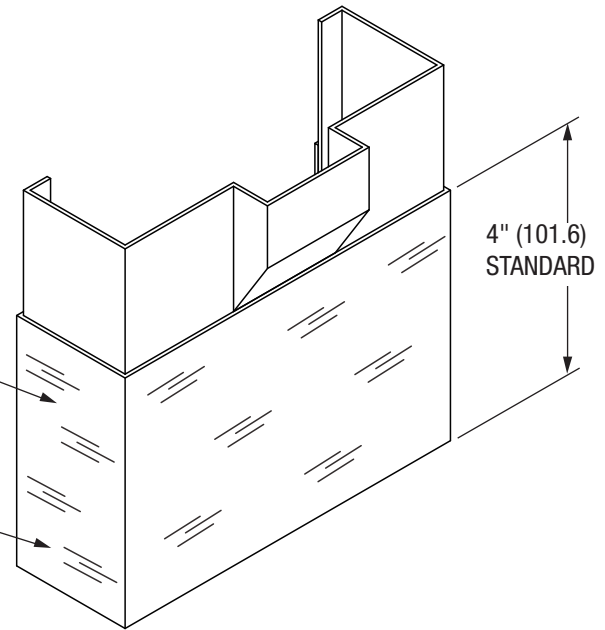
FLOOR ANCHOR WILL BE WELDED TO FACES OF FRAME WHEN FACTORY WELDED. MUST BE ATTACHED TO FRAME FACES WHEN FRAME IS WELDED BY OTHERS.



NOTE:
SPATS ARE LABELED UP TO
A HEIGHT OF 8" (203.2)

STAINLESS STEEL SLIP-ON SPAT
STANDARD PROFILE IS MANUFACTURED
TO FIT OVER JAMB PROFILE.
SPECIFY JAMB PROFILE WHEN ORDERING

18 GA. (1.1) #304 STAINLESS STEEL
#4 SATIN GRAIN FINISH



HOSPITAL TYPE SPAT
STANDARD PROFILE IS MANUFACTURED
TO FIT OVER JAMB BELOW STOP.
SPECIFY JAMB PROFILE WHEN ORDERING

18 GA. (1.1) #304 STAINLESS STEEL
#4 SATIN GRAIN FINISH

NOTE:
HOSPITAL TYPE SPATS
ARE LABELED UP TO
A HEIGHT OF 6" (152.4)

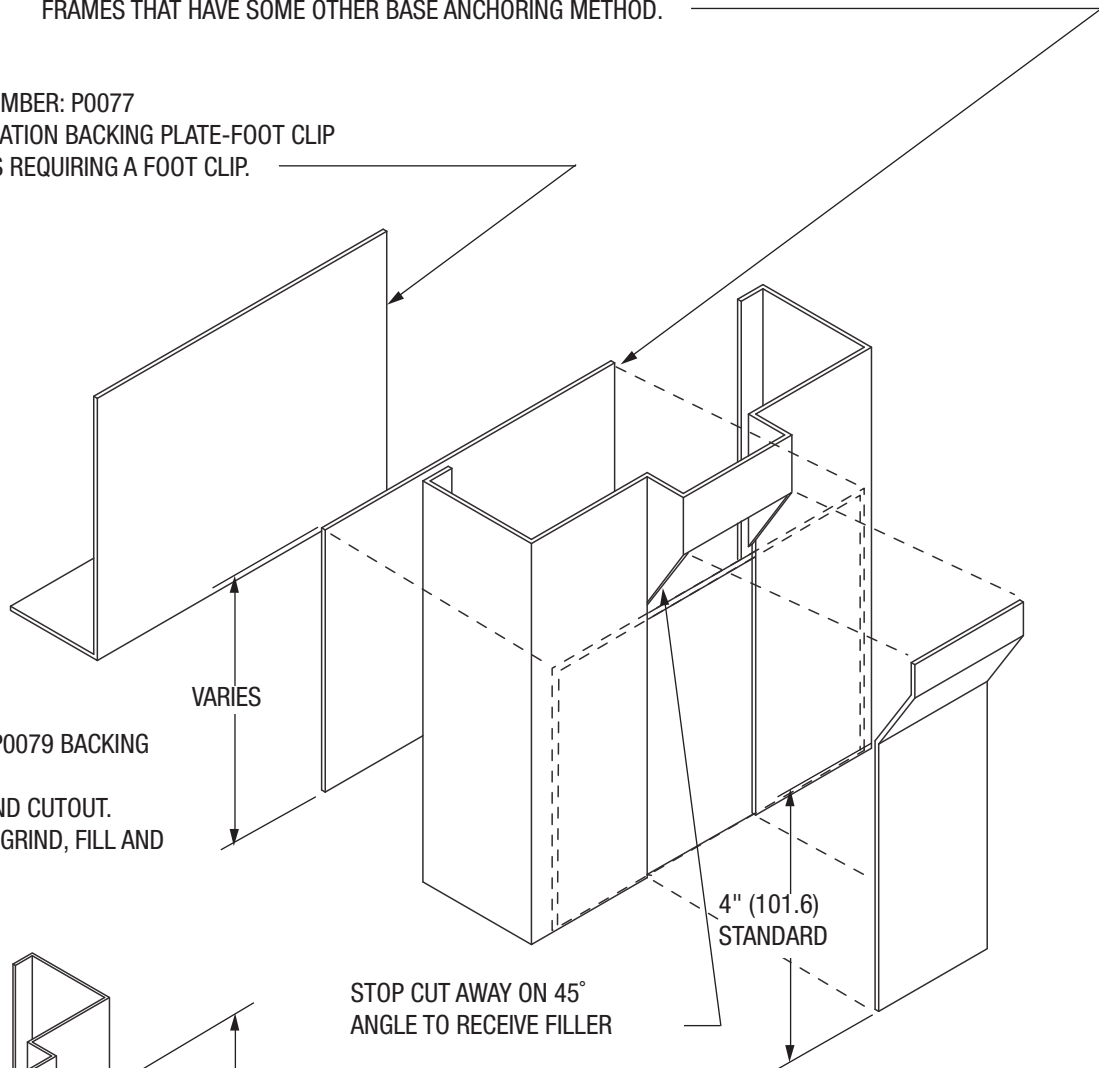
April, 2002



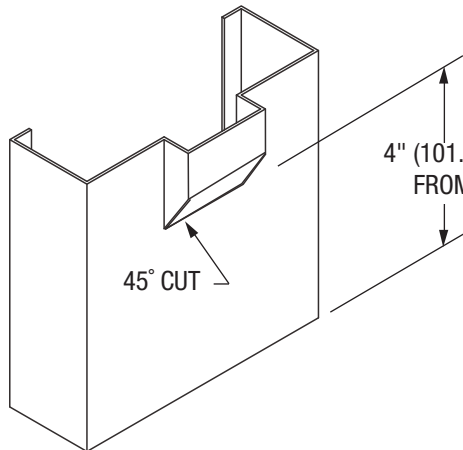
ANCHOR PART NUMBER: P0079
 FILLER & BACKING PLATE
 USED ON FRAMES NOT REQUIRING A FOOT CLIP OR
 FRAMES THAT HAVE SOME OTHER BASE ANCHORING METHOD.

NOTE: FOOTCLIP REQUIRED
 FOR LABEL

ANCHOR PART NUMBER: P0077
 FILLER & COMBINATION BACKING PLATE-FOOT CLIP
 USED ON FRAMES REQUIRING A FOOT CLIP.



CHOOSE EITHER P0077 OR P0079 BACKING
 PLATE.
 WELD BACKING PLATE BEHIND CUTOUT.
 WELD FILLER INTO CUTOUT, GRIND, FILL AND
 FINISH SMOOTH.



STOP CUT AWAY ON 45°
 ANGLE TO RECEIVE FILLER

4" (101.6)
 STANDARD

FILLER SIZES AVAILABLE
 UP TO 9" (228.6) HIGH

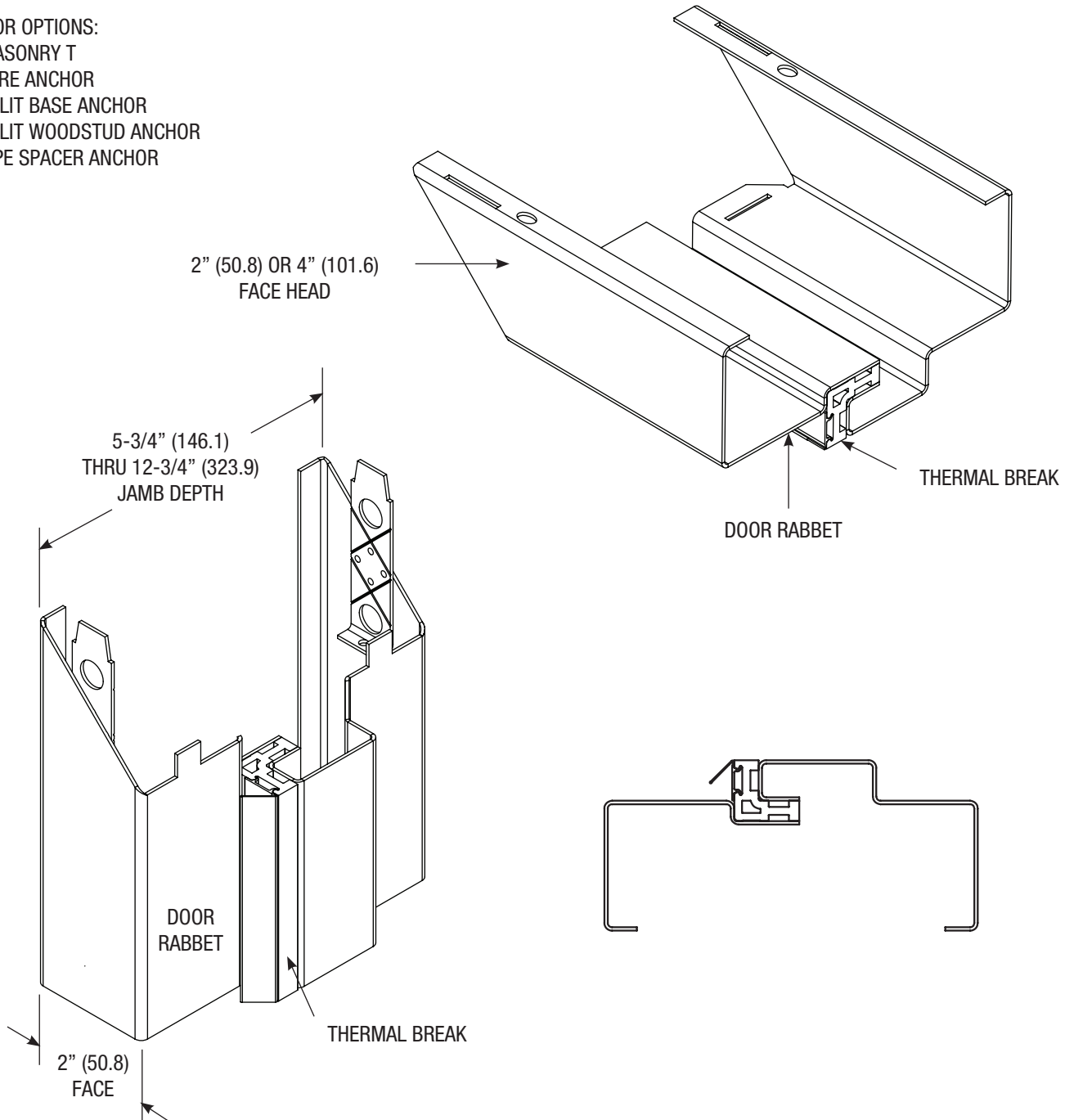
* HEIGHTS AVAILABLE UP TO 9" (228.6) HIGH
 6" (152.4) HIGH MAXIMUM ON FIRE RATED FRAMES
 FACTORY INSTALLED OR BY SECOND LOCATION SHOP



14 GA. (1.9) AND 16 GA. (1.4) GALVANEALD STEEL
 5/8" (15.9) HIGH STOP ONLY
 KD ONLY (FACE WELDED ONLY)
 MAXIMUM KD LENGTH - 118" JAMB, 116" HEAD
 PUNCH FOR SILENCERS NOT AVAILABLE

ANCHOR OPTIONS:

MASONRY T
 WIRE ANCHOR
 SPLIT BASE ANCHOR
 SPLIT WOODSTUD ANCHOR
 PIPE SPACER ANCHOR

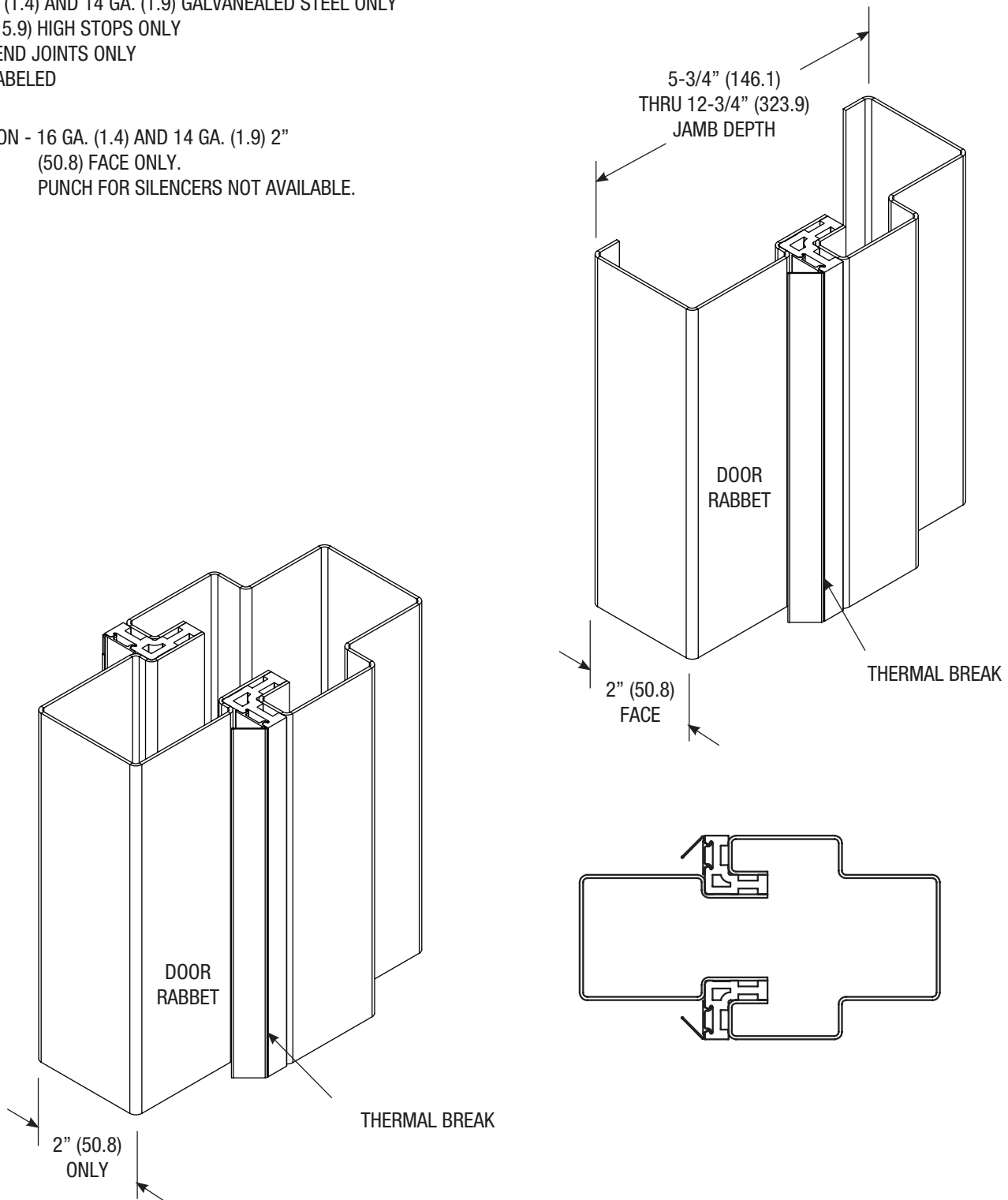


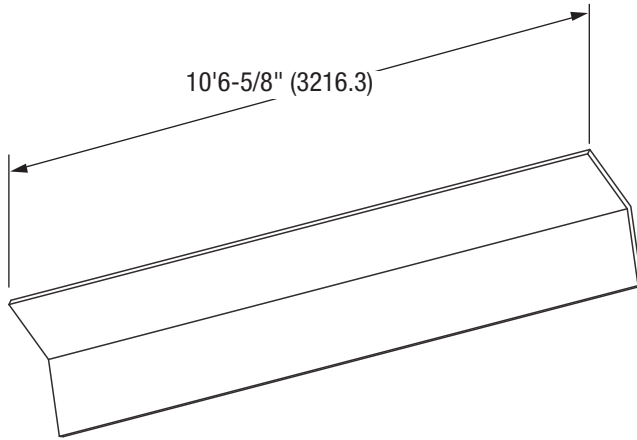
December, 2016



16 GA. (1.4) AND 14 GA. (1.9) GALVANEAELED STEEL ONLY
 5/8" (15.9) HIGH STOPS ONLY
 BUTT END JOINTS ONLY
 NOT LABELED

MULLION - 16 GA. (1.4) AND 14 GA. (1.9) 2"
 (50.8) FACE ONLY.
 PUNCH FOR SILENCERS NOT AVAILABLE.



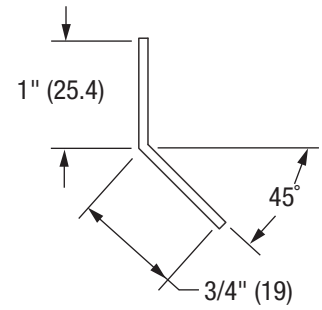


10'6-5/8" (3216.3)

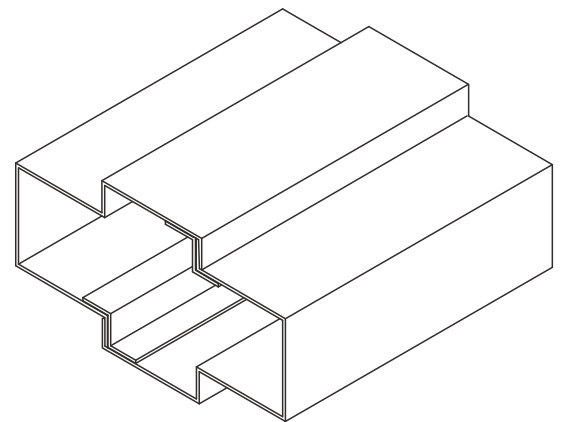
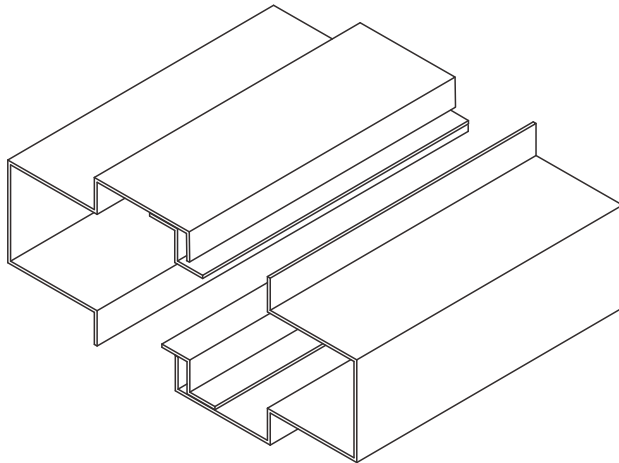
DRIP CAP

C.C.W. 112

16 GA. (1.4) GALVANEAL



Mullion Construction

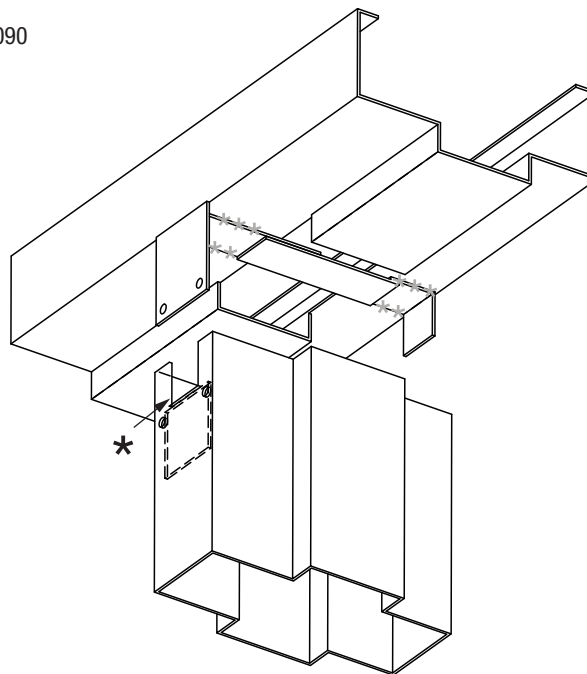


ORDER CODE: OM

August, 2003



ANCHOR PART NUMBER: P0090



MULLION BRACKET IS USED AT THE TOP AND BOTTOM OF FRAME

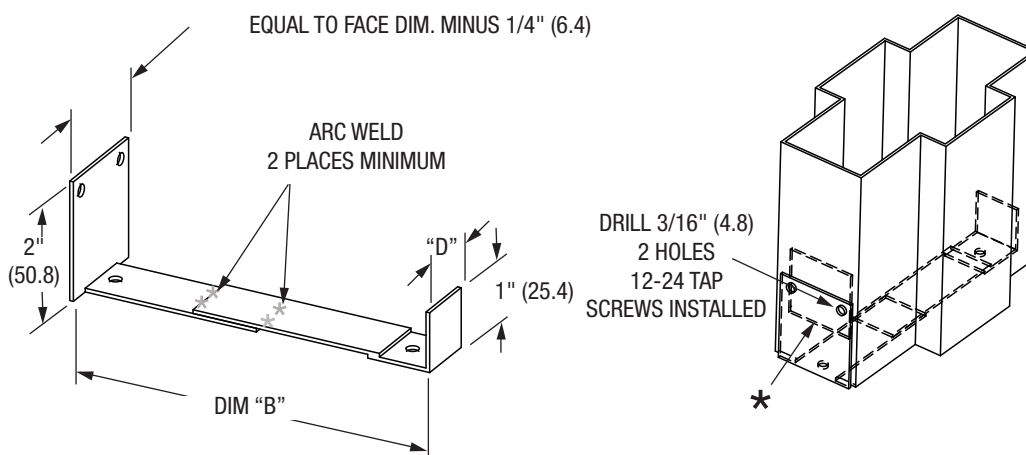
ATTACH MULLION BRACKET TO FRAME

★ NOTCH MULLION FACE TO ALLOW DIMENSION "D" TO PASS THRU.

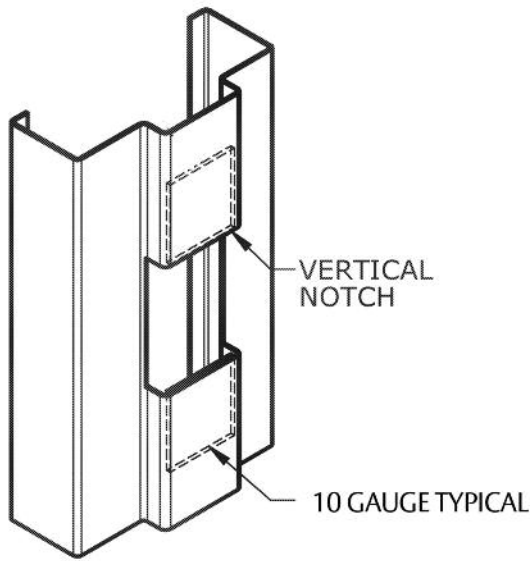
SLIDE MULLION IN PLACE

DIM. "B" = JAMB DEPTH - FRAME GAUGE THICKNESS

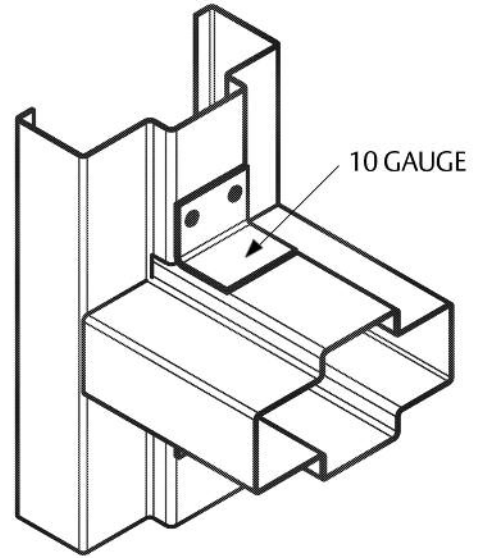
DIM. "D" = DETERMINED BY FACE DIMENSION



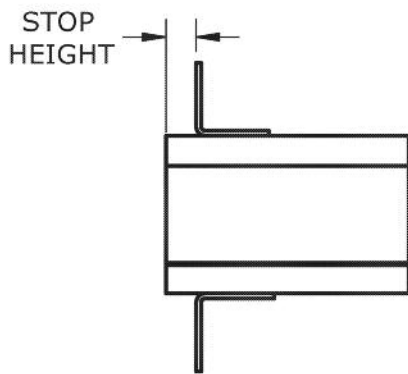
NOTE: THE MULLION WILL BE REMOVABLE FROM THE FACE OPPOSITE THE DOOR RABBET.



VERTICAL RAIL

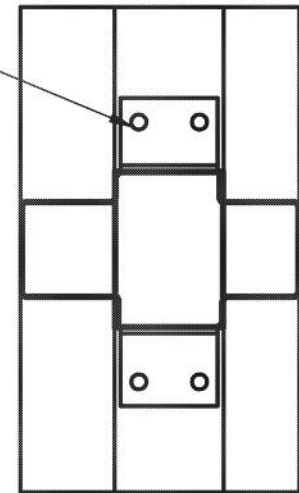


ASSEMBLED



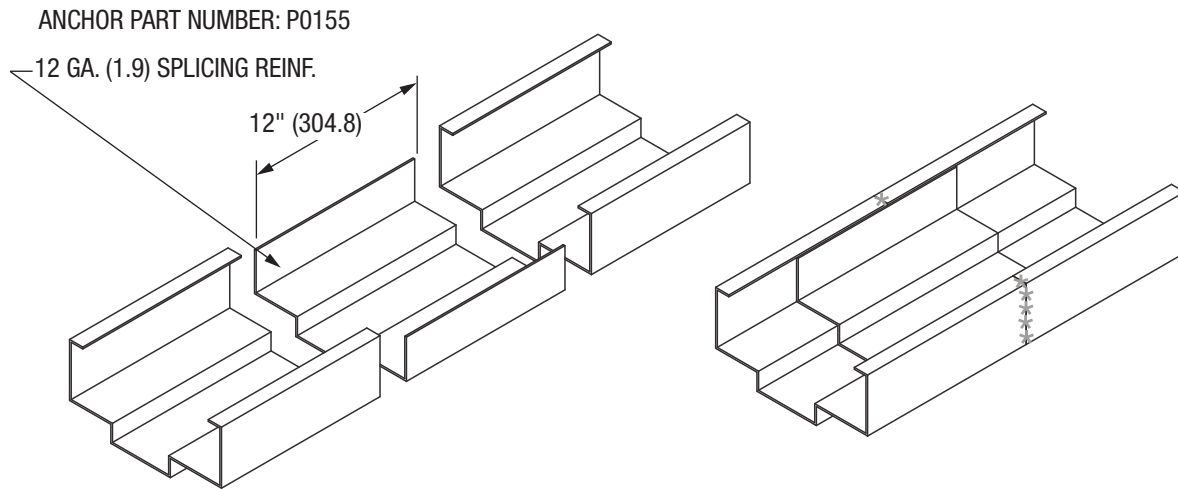
HORIZONTAL MULLION RAIL

1/4-20 ROUND HEAD MACHINE SCREW



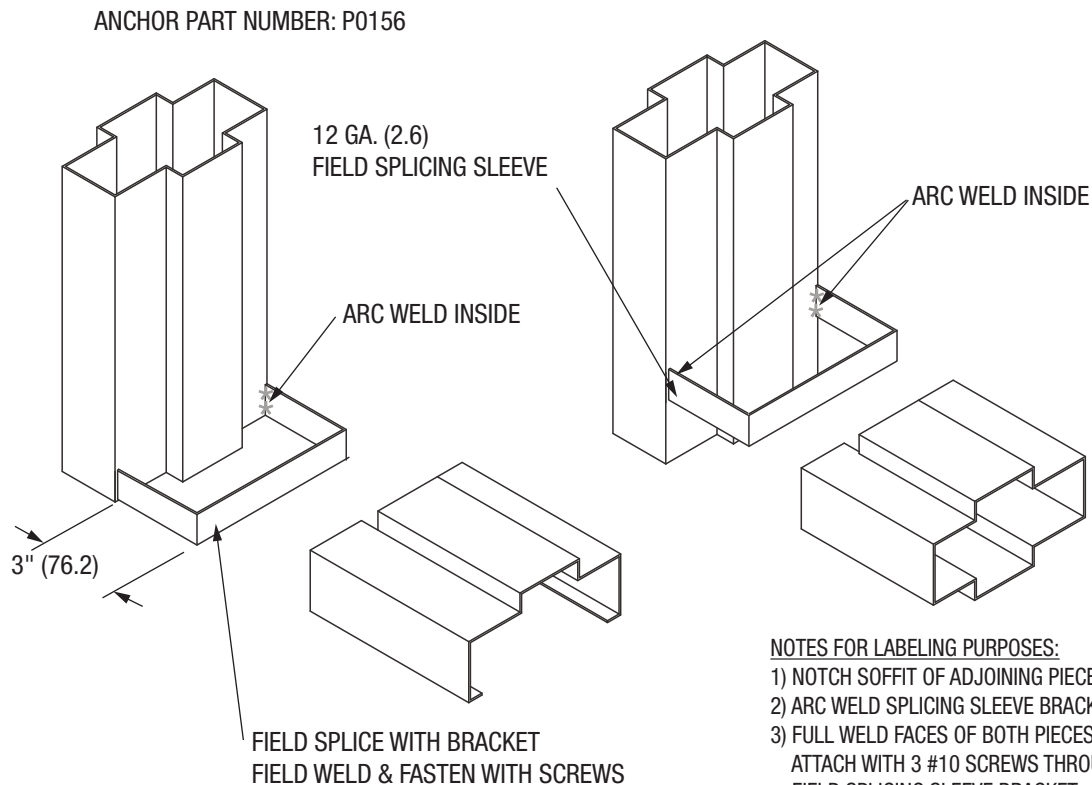
NOTE: USED WITH REMOVABLE TRANSOM PANEL.

April, 2002



1. FIT SPLICING SLEEVE REINF. HALFWAY INTO ONE SIDE AND TACK WELD IN PLACE.
2. SLIP OTHER SIDE OVER SPLICING SLEEVE REINF. AND ALIGN SEAMS FOR STRAIGHTNESS.
3. TACK WELD SPLICING SLEEVE REINF. INSIDE AND TACK WELD OUTSIDE SEAM AT BOTH FACES.
4. CONTINUOUS WELD SEAM - GRIND AND FINISH SMOOTH.

Field Splice Connection with Bracket

**NOTES FOR LABELING PURPOSES:**

- 1) NOTCH SOFFIT OF ADJOINING PIECE.
- 2) ARC WELD SPLICING SLEEVE BRACKET TO MULLION.
- 3) FULL WELD FACES OF BOTH PIECES TOGETHER, OR ATTACH WITH 3 #10 SCREWS THROUGH FACE INTO FIELD SPLICING SLEEVE BRACKET.

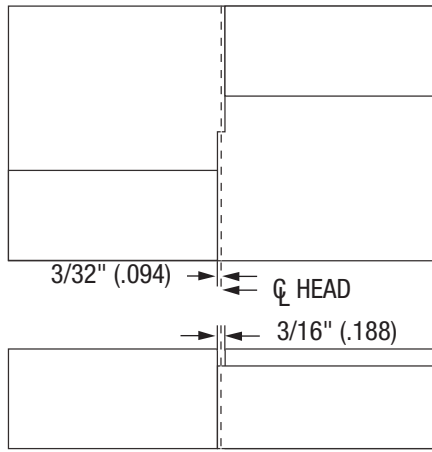
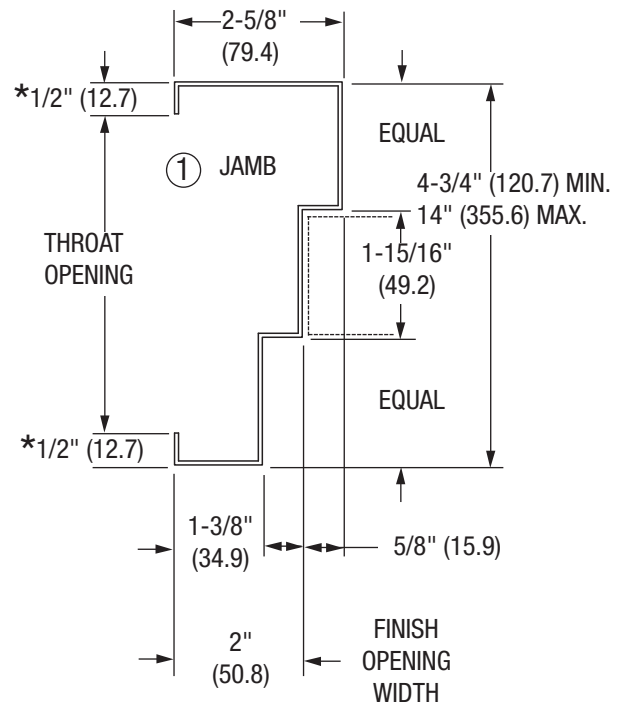
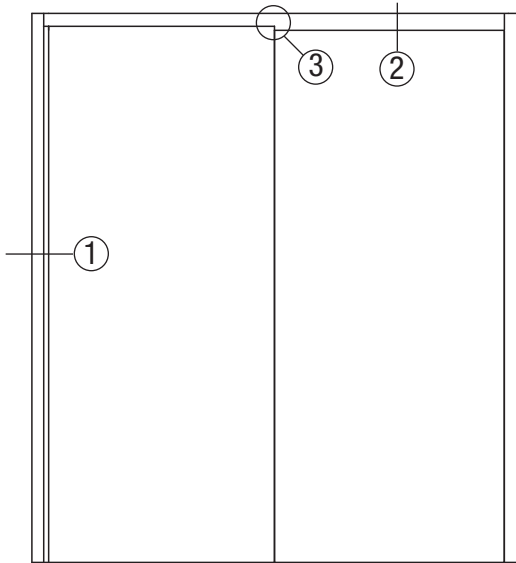


M - FLUSH SERIES KD
C - DRYWALL KD NOT AVAILABLE

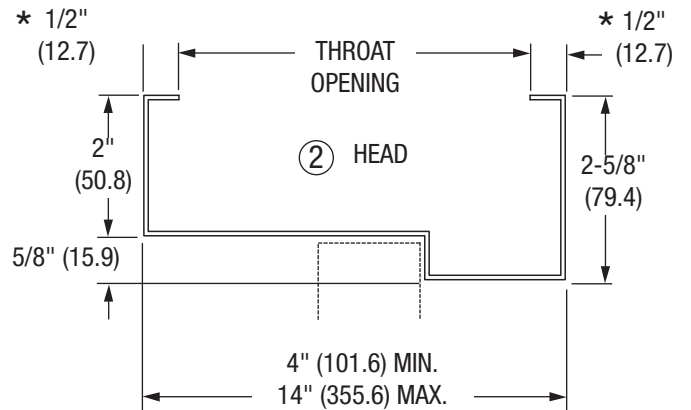
HANDING



**DOUBLE RIGHT HAND SWING
(STANDARD)**



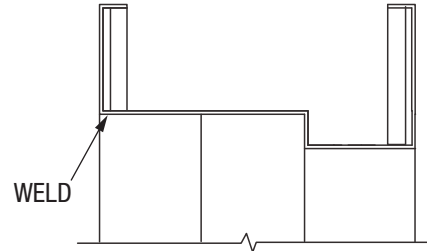
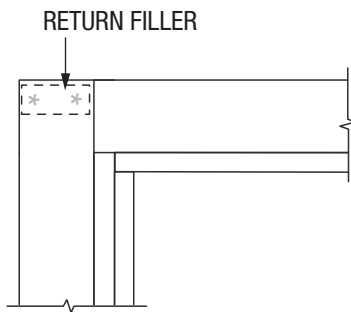
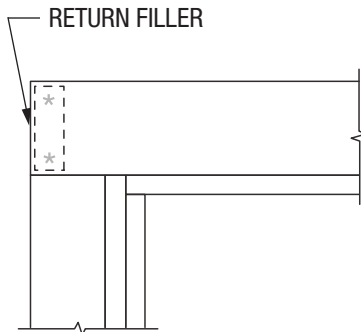
SOFFIT STOP IS HELD BACK 3/32" TO PROVIDE PROPER DOOR CLEARANCE



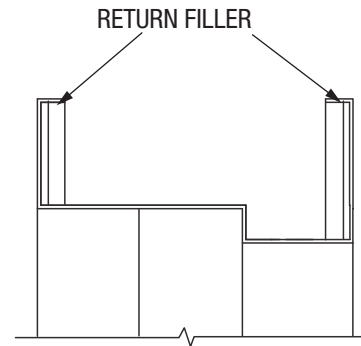
* 5-3/4" (146.1) JAMB DEPTH HAS 7/16" (11.1) RETURN 18, 16, 14 GA.
12 GA. 1/2" RETURN NO KD

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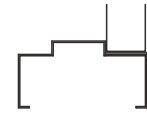
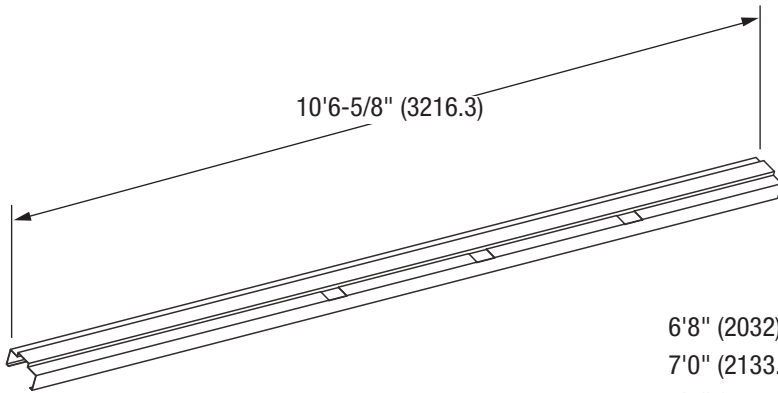
L



VERTICAL BUTT JOINT
(STANDARD)
WELDED &
GROUND SMOOTH



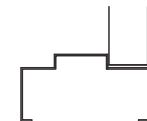
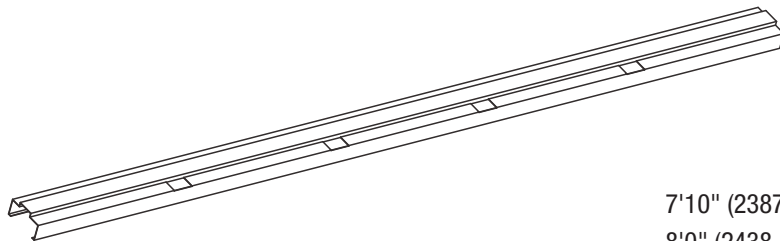
HORIZONTAL BUTT JOINT
(OPTIONAL)
WELDED &
GROUND SMOOTH



OPEN BACK RAIL
HINGE JAMB

- 6'8" (2032)
- 7'0" (2133.6)
- 7'2" (2184.4)

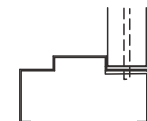
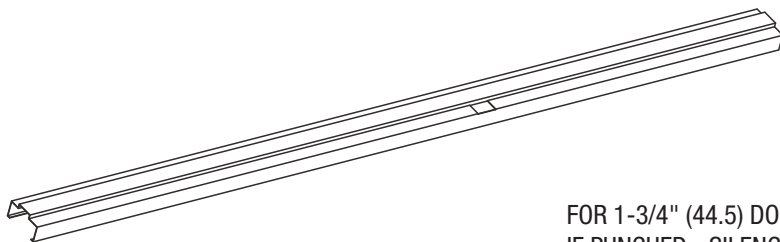
- | | |
|-------------------|------------------|
| LOCATION 3 HINGES | C.C.W. 24 |
| LOCATION 3 HINGES | C.C.W. 25 |
| LOCATION 3 HINGES | C.C.W. 39 |



OPEN BACK RAIL
HINGE JAMB

- 7'10" (2387.6)
- 8'0" (2438.4)
- 9'0" (2743.2)
- 10'0" (3048)

- | | |
|-------------------|-------------------|
| LOCATION 4 HINGES | C.C.W. 62 |
| LOCATION 4 HINGES | C.C.W. 63 |
| LOCATION 4 HINGES | C.C.W. 119 |
| LOCATION 4 HINGES | C.C.W. 120 |



OPEN BACK RAIL
STRIKE JAMB

C.C.W. 26

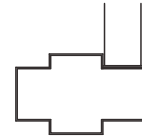
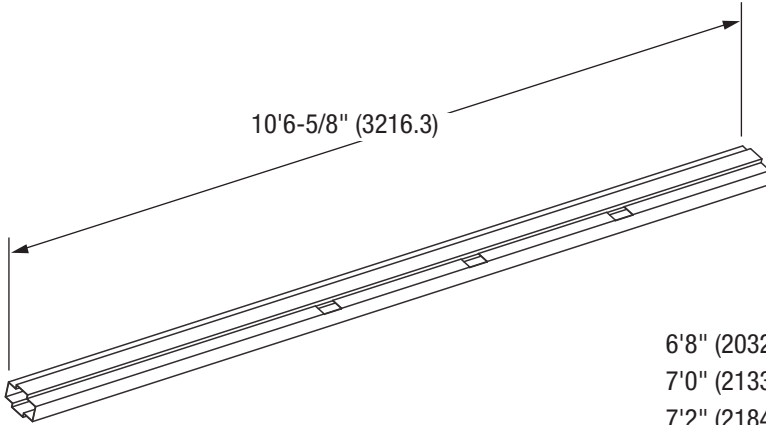
FOR 1-3/4" (44.5) DOORS ALL STRIKE LOCATIONS 40" (1016) \bar{C}
IF PUNCHED - SILENCERS ARE REQUIRED
WHEN ORDERING CCW 26 STRIKE JAMB SPECIFY DOOR HEIGHT

NOTE: ANCHORS ARE NOT INCLUDED WITH CCW MATERIAL.
CCW MATERIAL MAY BE ORDERED CUT TO LENGTH - EXACT LENGTH - WITH
S.M.O. OR S.B.E. CORNER CONFIGURATION.
CUSTOM PROFILES AVAILABLE.
12 GA. FRAMES ARE CCW. 5-3/4 JAMB DEPTH HAS 1/2" RETURNS.

CCW - Mullion Closed Section - 10'6-5/8" Lengths

Frame Technical Data

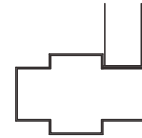
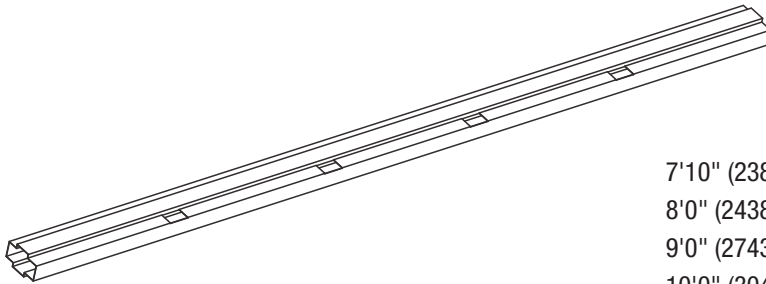
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MULLION -
CLOSED SECTION
HINGE JAMB

- 6'8" (2032)
- 7'0" (2133.6)
- 7'2" (2184.4)

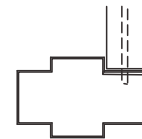
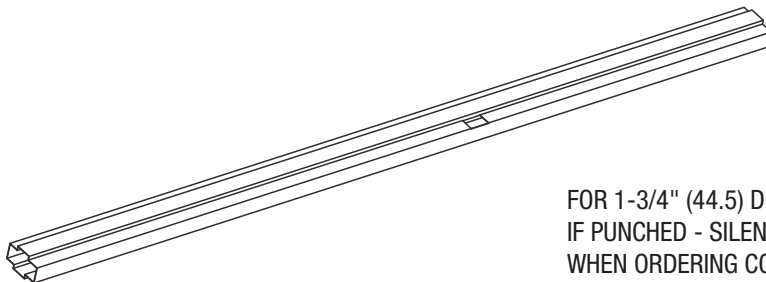
- | | |
|-------------------|------------------|
| LOCATION 3 HINGES | C.C.W. 42 |
| LOCATION 3 HINGES | C.C.W. 43 |
| LOCATION 3 HINGES | C.C.W. 44 |



MULLION -
CLOSED SECTION
HINGE JAMB

- 7'10" (2387.6)
- 8'0" (2438.4)
- 9'0" (2743.2)
- 10'0" (3048)

- | | |
|-------------------|-------------------|
| LOCATION 4 HINGES | C.C.W. 81 |
| LOCATION 4 HINGES | C.C.W. 82 |
| LOCATION 4 HINGES | C.C.W. 133 |
| LOCATION 4 HINGES | C.C.W. 134 |



MULLION -
CLOSED SECTION
STRIKE JAMB

C.C.W. 41

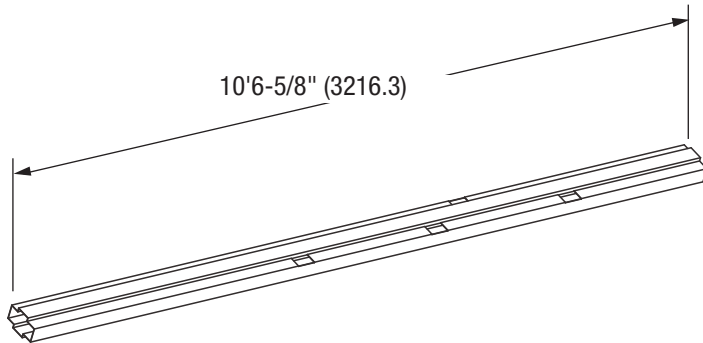
FOR 1-3/4" (44.5) DOORS ALL STRIKE LOCATIONS 40" (1016) ⌘
IF PUNCHED - SILENCERS ARE REQUIRED
WHEN ORDERING CCW 41 STRIKE JAMB SPECIFY DOOR HEIGHT

12 GA. FRAMES ARE CCW

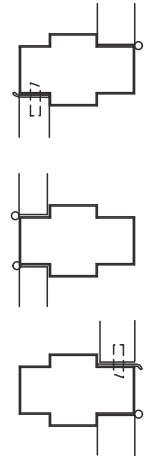
**CCW - Mullion Closed Section - 10'6-5/8" Lengths
Communicating Mullion**

Frame Technical Data

November, 2004



MULLION - CLOSED SECTION
COMBINATION RAIL
ALL STANDARD
DOOR HEIGHTS.

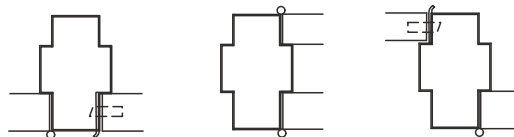


DOUBLE HINGE, DOUBLE
STRIKE OR HINGE AND
STRIKE COMBINATIONS.

6'8" (2032)	LOCATION 3 HINGES & STRIKE	C.C.W. 45
7'0" (2133.6)	LOCATION 3 HINGES & STRIKE	C.C.W. 46
7'2" (2184.4)	LOCATION 3 HINGES & STRIKE	C.C.W. 47
7'10" (2387.6)	LOCATION 4 HINGES & STRIKE	C.C.W. 83
8'0" (2438.4)	LOCATION 4 HINGES & STRIKE	C.C.W. 84
9'0" (2743.2)	LOCATION 4 HINGES & STRIKE	C.C.W. 135
10'0" (3048)	LOCATION OF 4 HINGES & STRIKE	C.C.W. 136
DOUBLE STRIKE MULLION	C.C.W. 85	
NOTE: WHEN ORDERING CCW 85 SPECIFY DOOR HEIGHT.		
6'8" (2032)	LOCATION 3 (DOUBLE HINGES)	C.C.W. 86
7'0" (2133.6)	LOCATION 3 (DOUBLE HINGES)	C.C.W. 87
7'2" (2184.4)	LOCATION 3 (DOUBLE HINGES)	C.C.W. 88
7'10" (2387.6)	LOCATION 4 (DOUBLE HINGES)	C.C.W. 89
8'0" (2438.4)	LOCATION 4 (DOUBLE HINGES)	C.C.W. 90
9'0" (2743.2)	LOCATION 4 (DOUBLE HINGES)	C.C.W. 137
10'0" (3048)	LOCATION OF 4 (DOUBLE HINGES)	C.C.W. 138

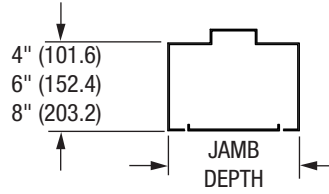
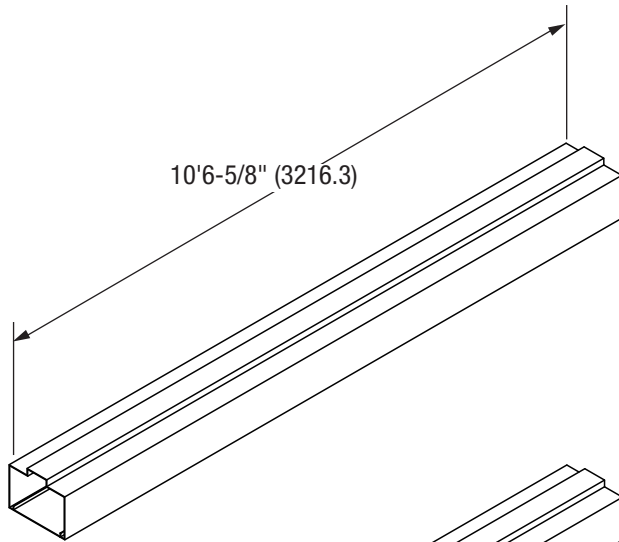
NOTE: WHEN ORDERING COMBINATION MULLION DOUBLE HINGE, DOUBLE STRIKE, OR HINGE AND STRIKE, PROVIDE SECTION DETAIL OF DOOR RABBET LOCATION.

EXAMPLE

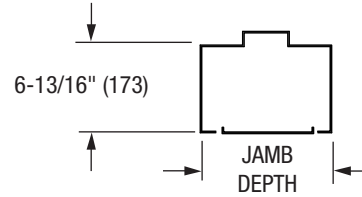
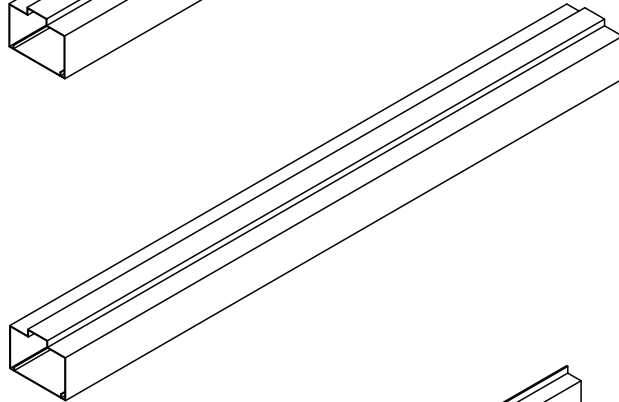


12 GAUGE FRAMES ARE CCW

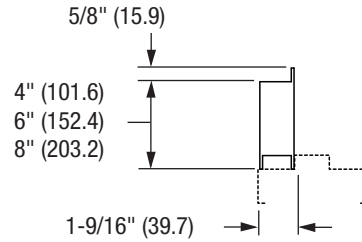
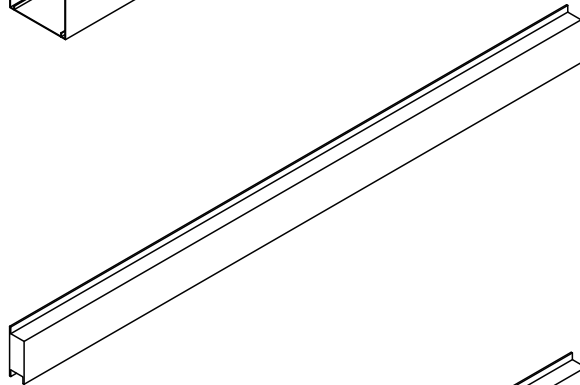
November, 2004



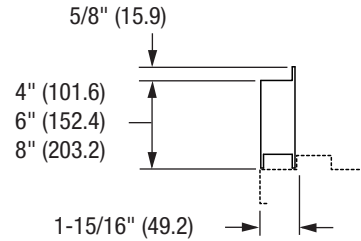
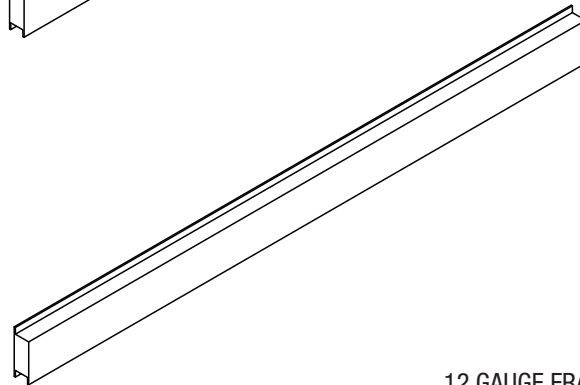
FULL JAMB DEPTH 4" (101.6) FACE OR LESS **C.C.W. 28**
 FULL JAMB DEPTH 6" (152.4) FACE OR LESS **C.C.W. 139**
 FULL JAMB DEPTH 8" (203.2) FACE OR LESS **C.C.W. 140**



FULL JAMB DEPTH 6-13/16" (173) FACE **C.C.W. 55**

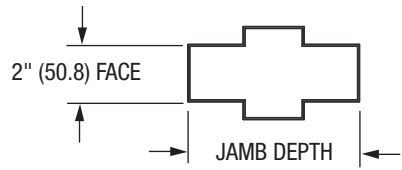
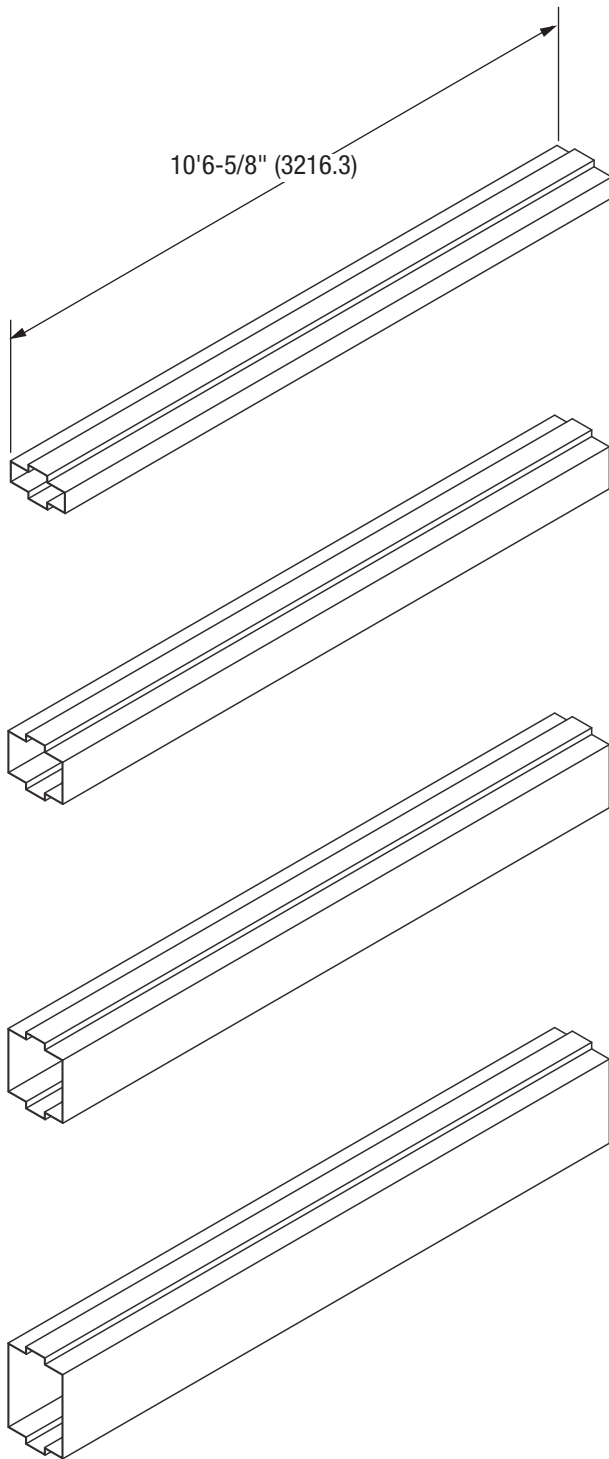


SPECIAL 1-9/16" (39.7) THICK **C.C.W. 48**

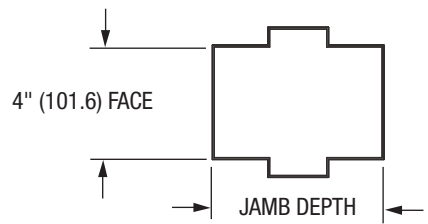


SPECIAL 1-15/16" (49.2) THICK **C.C.W. 49**

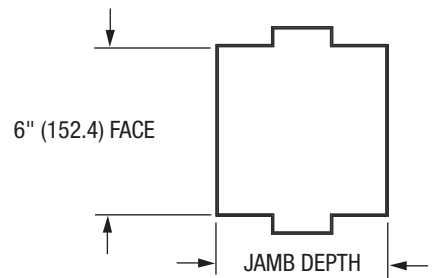
12 GAUGE FRAMES ARE CCW



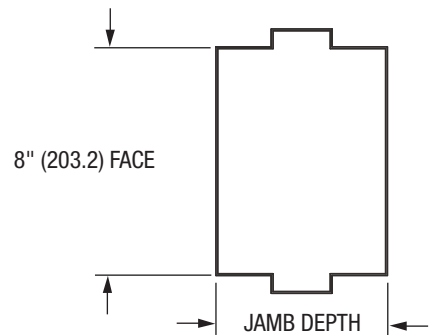
PLAIN MULLION 2" (50.8) FACE **C.C.W. 16**



PLAIN MULLION 4" (101.6) FACE **C.C.W. 17**



PLAIN MULLION 6" (152.4) FACE **C.C.W. 18**

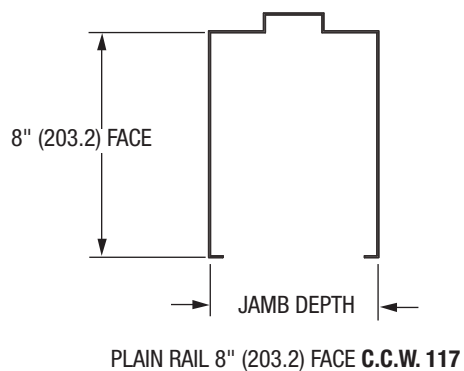
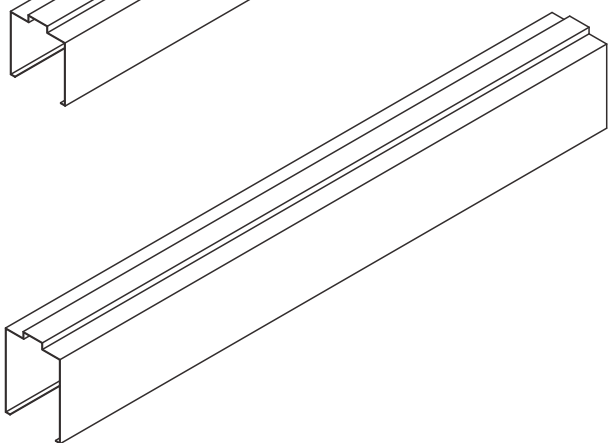
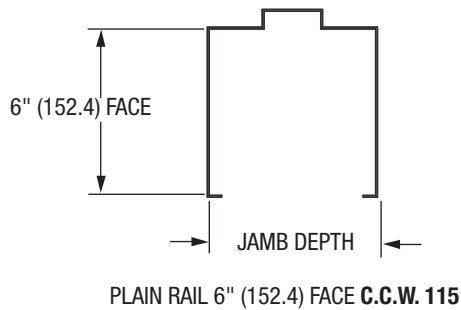
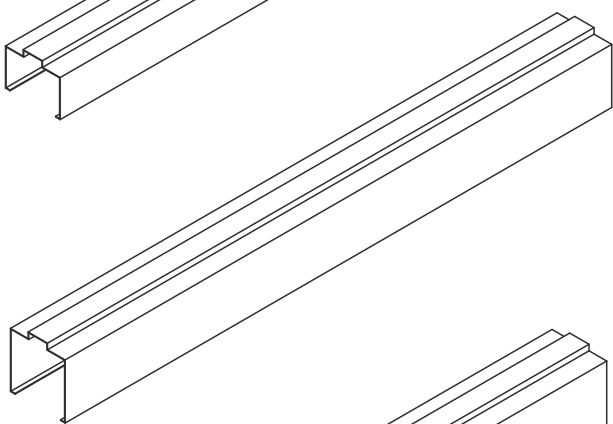
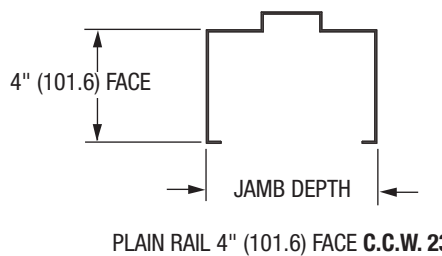
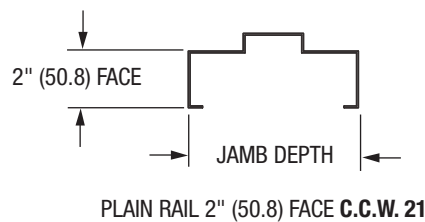
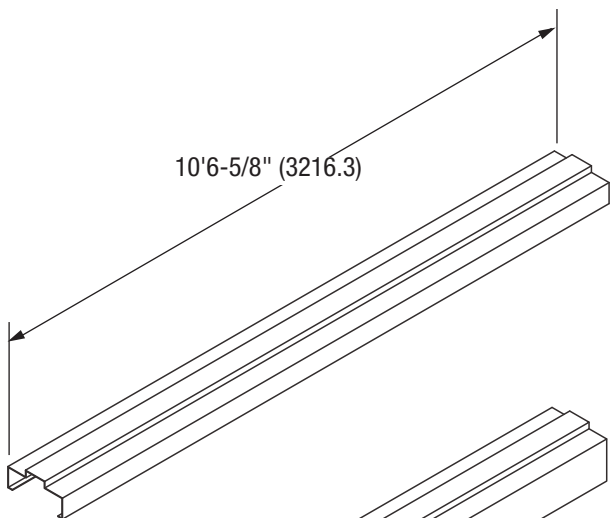


PLAIN MULLION 8" (203.2) FACE **C.C.W. 50**

12 GAUGE FRAMES ARE CCW

Frame Technical Data

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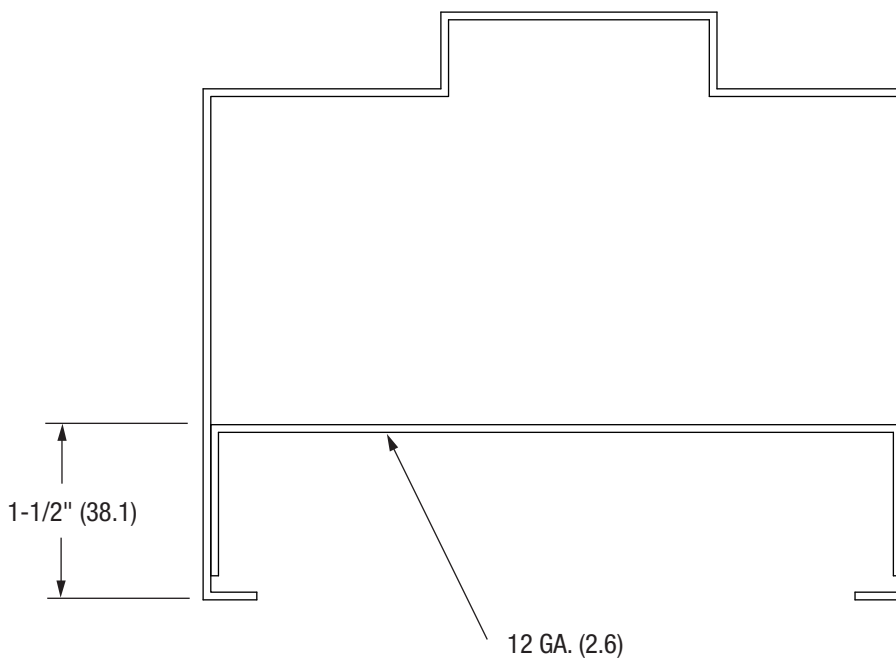
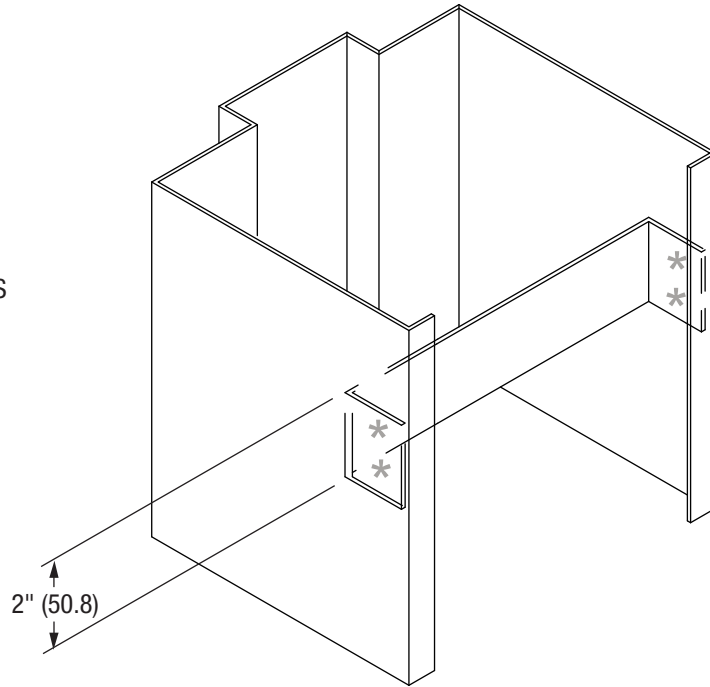
12 GAUGE FRAMES ARE CCW

ANCHOR PART NUMBER: P320

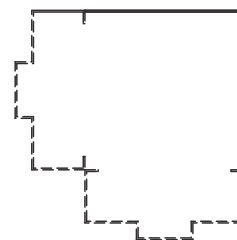
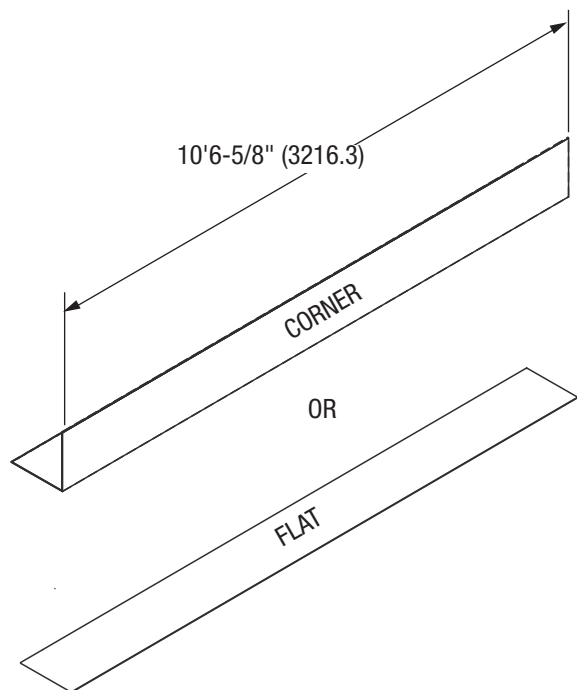


LOCATED EVERY 18" OF SILL LENGTH WHEN FACE EXCEEDS 5".
PROVIDES ADDITIONAL SUPPORT TO PROFILE FACE.

ONE STIFFENER EVERY 18" OF LENGTH ON
FACE DIMENSIONS 5" TO 9" FACE DIMENSIONS
9" THRU 16" MAX. REQUIRE TWO STIFFENERS
PER 18" OF LENGTH.

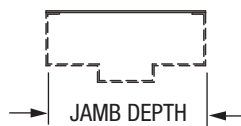


November, 2004



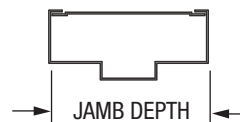
COVER PLATE
CORNER OR FLAT

C.C.W. 19



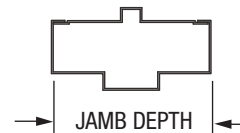
FILLER PLATE
WITHOUT STOP

C.C.W. 27



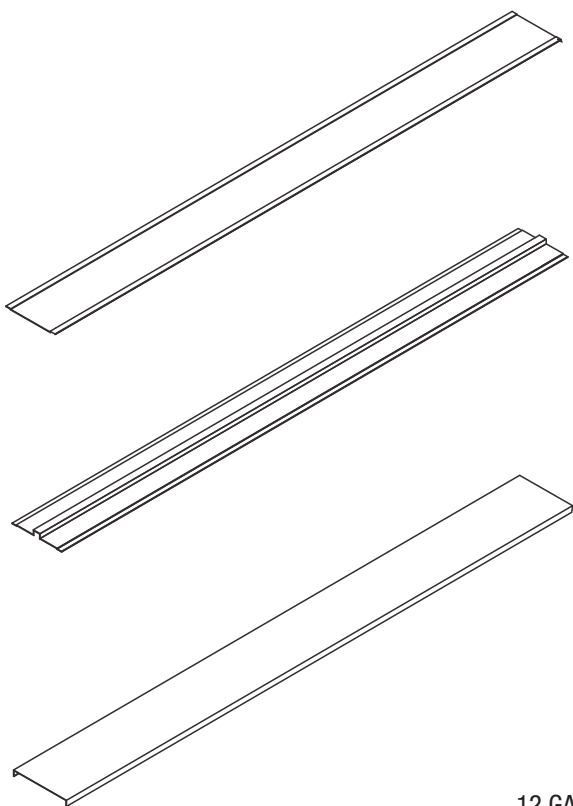
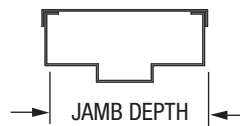
FILLER PLATE
WITH STOP

C.C.W. 22

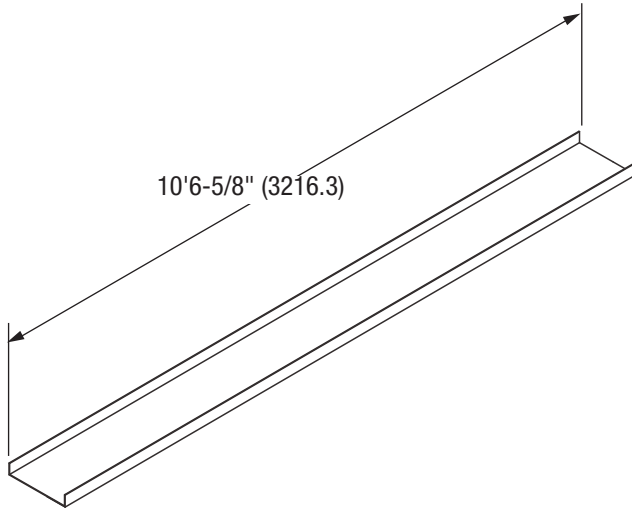


HEAD CAP

C.C.W. 29



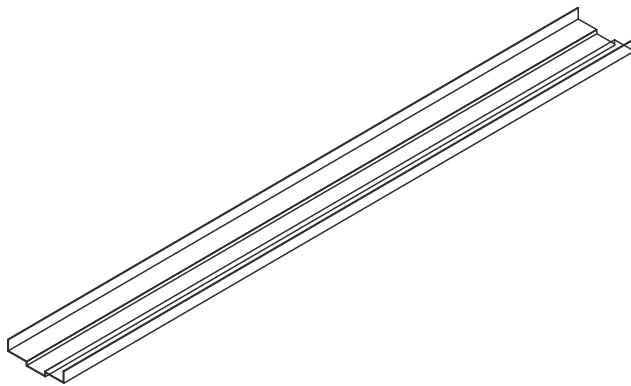
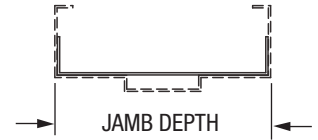
12 GAUGE FRAMES ARE CCW



10'6-5/8" (3216.3)

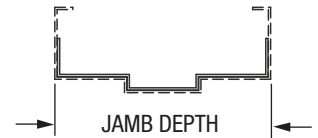
CHANNEL HEAD REINF.

C.C.W. 91



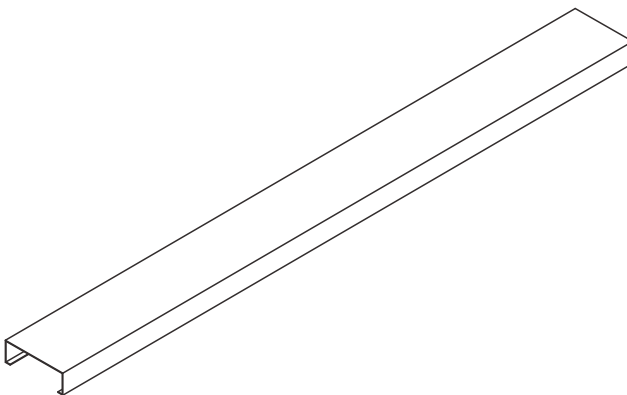
FULL WIDTH
HEAD REINF.

C.C.W. 92



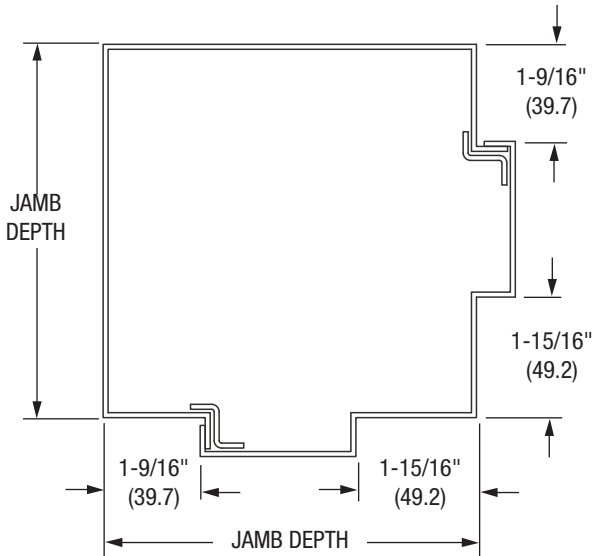
CASED OPENING PLAIN RAIL
CASED OPENING PLAIN RAIL 4" (101.6)

C.C.W. 40 2" FACE
C.C.W. 20 4" FACE

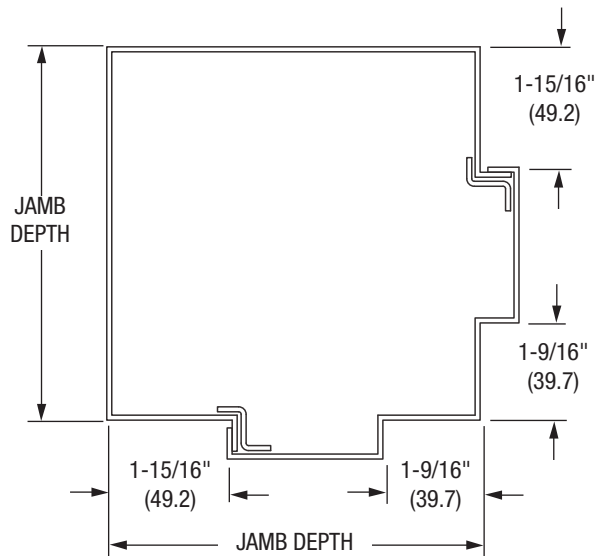


12 GAUGE FRAMES ARE CCW

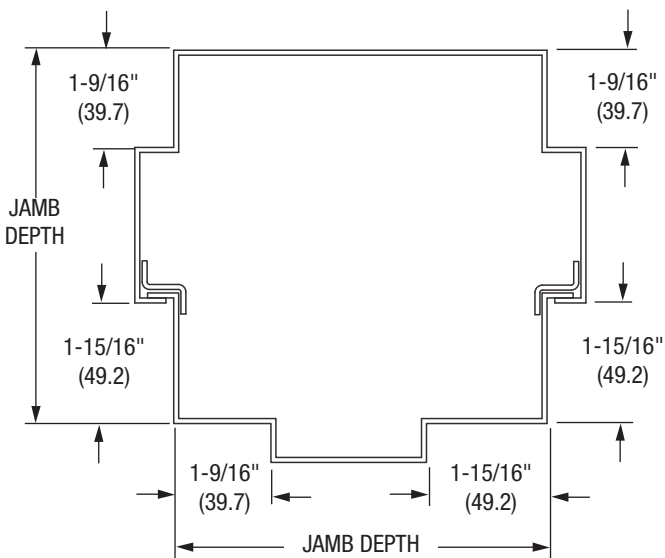
November, 2004



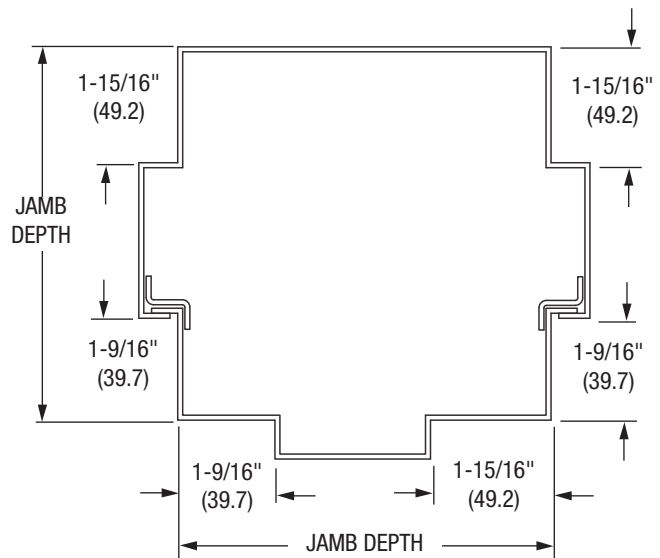
2 WAY CORNER
1-9/16" (39.7) OUTSIDE
C.C.W. 51



2 WAY CORNER
1-15/16" (49.2) OUTSIDE
C.C.W. 52

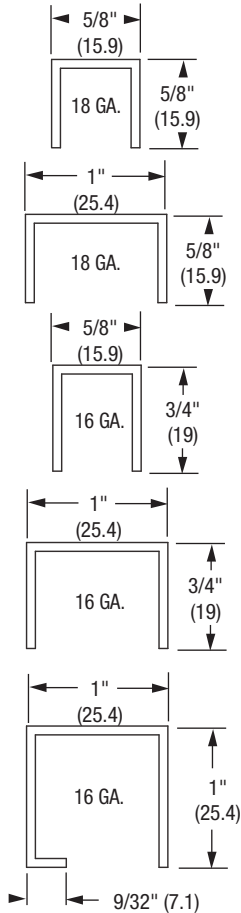


3 WAY CORNER
1-9/16" (39.7) OUTSIDE
C.C.W. 53



3 WAY CORNER
1-15/16" (49.2) OUTSIDE
C.C.W. 54

12 GAUGE FRAMES ARE CCW



CCW#	HEIGHT X WIDTH	DESCRIPTION
93	5/8" (15.9) X 5/8" (15.9)	PRIME PAINT - PUNCHED 12" (304.8) ON CENTER
97	5/8" (15.9) X 5/8" (15.9)	PRIME PAINT - BLANK
101	5/8" (15.9) X 5/8" (15.9)	NO PAINT - BLANK
105	5/8" (15.9) X 5/8" (15.9)	NO PAINT - PUNCHED 12" (304.8) ON CENTER
94	5/8" (15.9) X 1" (25.4)	PRIME PAINT - PUNCHED 12" (304.8) ON CENTER
98	5/8" (15.9) X 1" (25.4)	PRIME PAINT - BLANK
102	5/8" (15.9) X 1" (25.4)	NO PAINT - BLANK
106	5/8" (15.9) X 1" (25.4)	NO PAINT - PUNCHED 12" (304.8) ON CENTER
95	3/4" (19) X 5/8" (15.9)	PRIME PAINT - PUNCHED 12" (304.8) ON CENTER
99	3/4" (19) X 5/8" (15.9)	PRIME PAINT - BLANK
103	3/4" (19) X 5/8" (15.9)	NO PAINT - BLANK
107	3/4" (19) X 5/8" (15.9)	NO PAINT - PUNCHED 12" (304.8) ON CENTER
96	3/4" (19) X 1" (25.4)	PRIME PAINT PUNCHED 6" (152.4) ON CENTER
100	3/4" (19) X 1" (25.4)	PRIME PAINT - BLANK
104	3/4" (19) X 1" (25.4)	NO PAINT - BLANK
108	3/4" (19) X 1" (25.4)	NO PAINT - PUNCHED 6" (152.4) ON CENTER
143	1" (25.4) X 1" (25.4)	PRIME PAINT - PUNCHED 6" (152.4) ON CENTER

GLASS STOP IS MANUFACTURED FROM GALVANEALD STEEL.
 PAINT IS CURRIES STANDARD GRAY PRIME.
 PUNCHING IS FOR OVAL HEAD SCREWS SIZE #8.

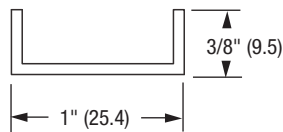
NOTE: HOLE PUNCHING ON GLASS STOP IS STANDARD 12" (304.8) ON CENTER. IF STOP IS TO BE USED FOR LABEL FRAME APPLICATIONS YOU MUST SPECIFY ON ORDER THAT HOLES ARE TO BE 6" (152.4) ON CENTER.

ALL GLASS STOP AND SOFFIT STOP MATERIAL COME IN 10'6" (3200.4) LENGTHS

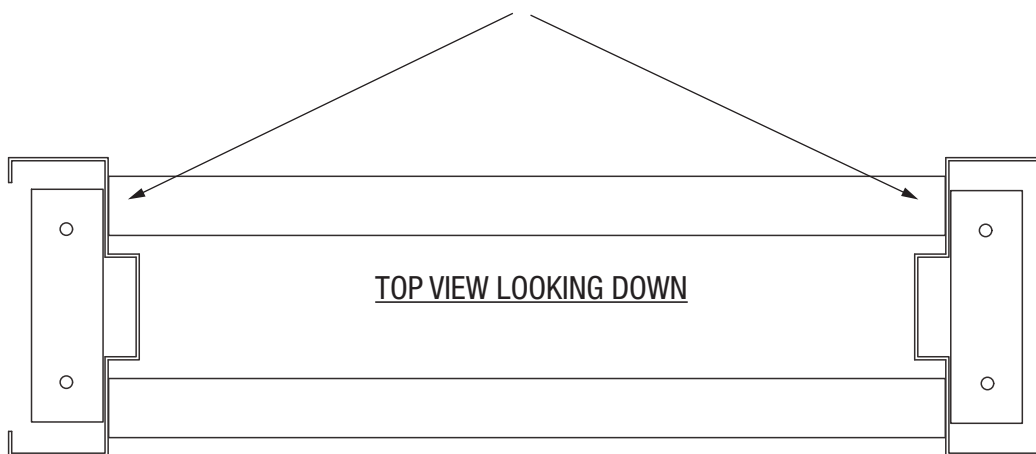
STAINLESS STEEL GLASS STOP IS 16 GA. (1.4)

120
CCW - Shipping Spreader Bar CCW 111 - 10'6-5/8" Lengths
Frame Technical Data

April, 2002



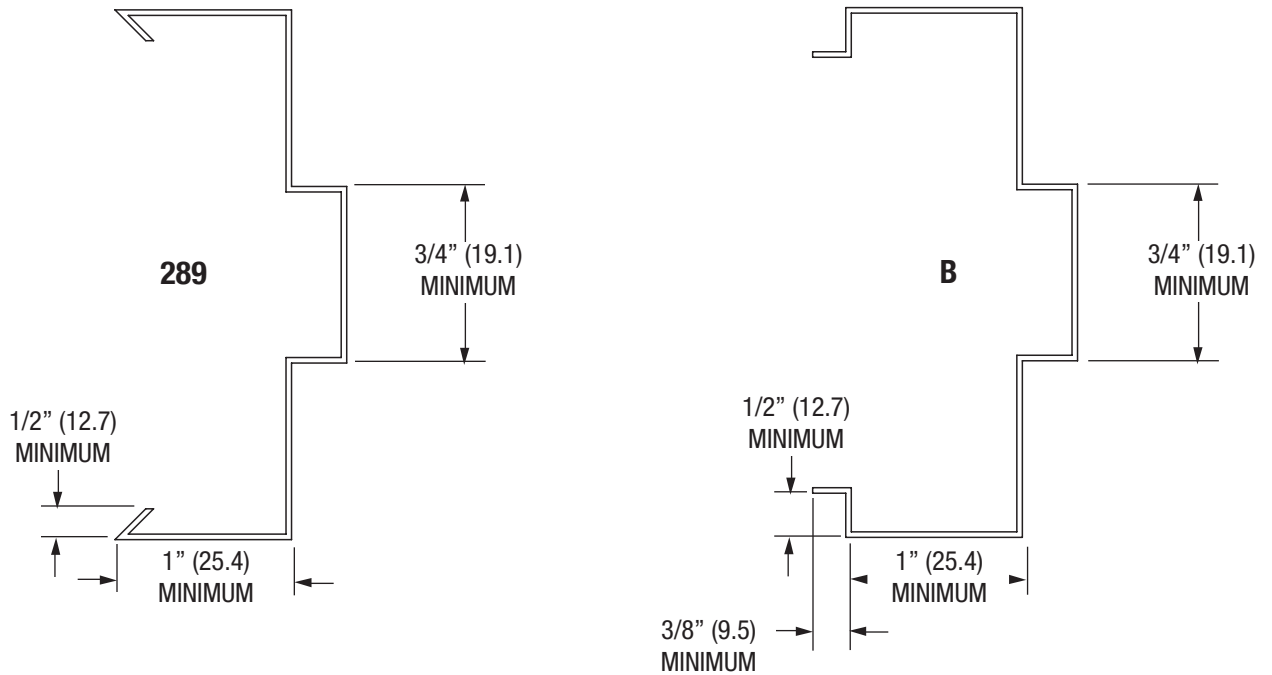
TACK WELD SHIPPING SPREADER BAR TO BOTTOM OF
FRAME RABBET INSIDE NOMINAL FRAME OPENING.



NOTE: CURRIES HOLLOW METAL FRAMES HAVE DOUBLE SHIPPING SPREADER BARS WELDED ON THE BOTTOM. THE SPREADER BARS MUST BE REMOVED AND A SETTING SPREADER USED FOR FINAL INSTALLATION. A COLD CHISEL AND HAMMER ARE RECOMMENDED TOOLS TO USE TO REMOVE THESE. THE FRAME INSTALLER ASSUMES ALL RESPONSIBILITY FOR PLUMB FRAME INSTALLATION.

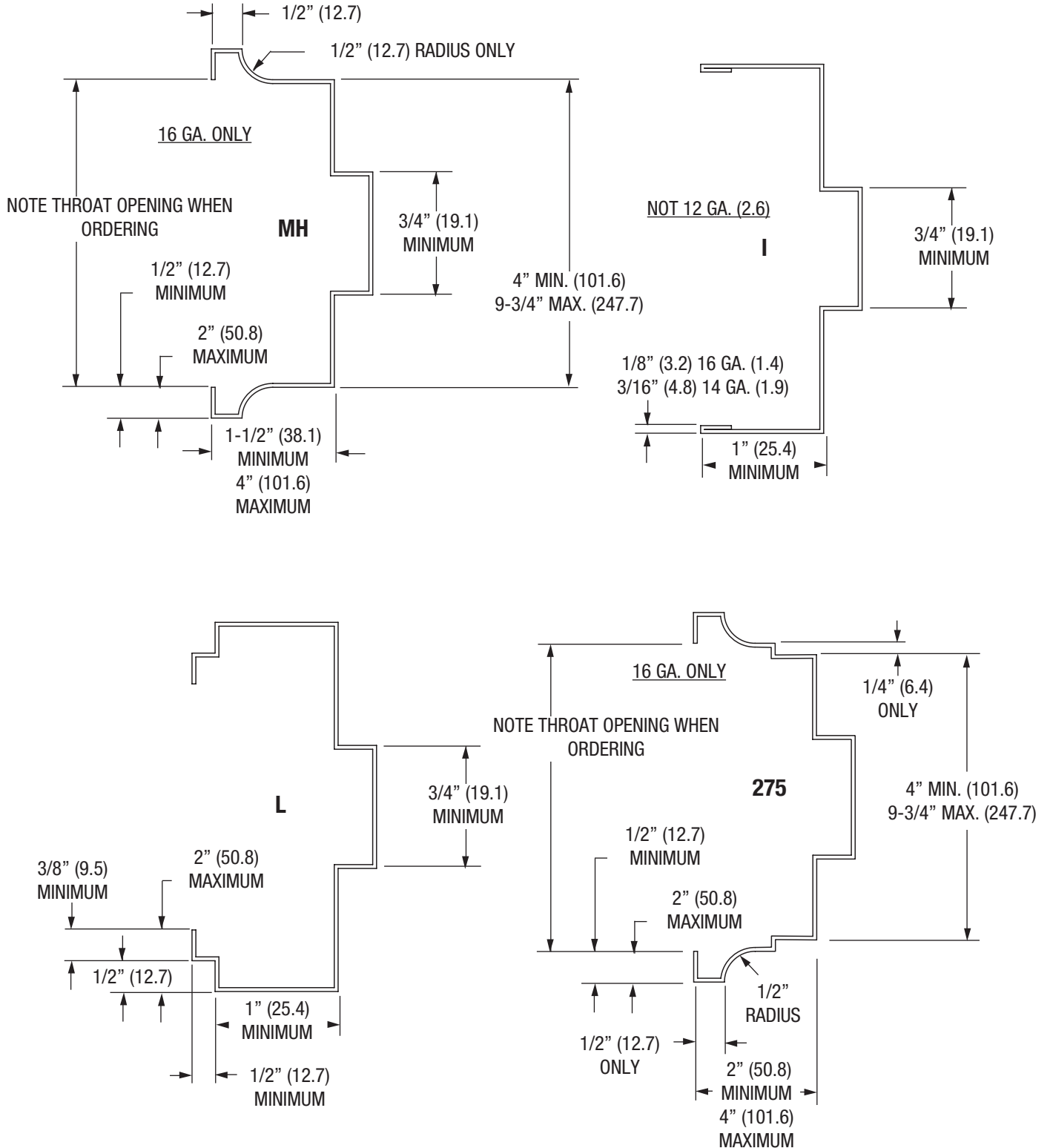


CONTACT FACTORY FOR CAPABILITIES



NOTE: FOR 12 GA. (2.6) CONTACT FACTORY

March, 2017



January, 2017

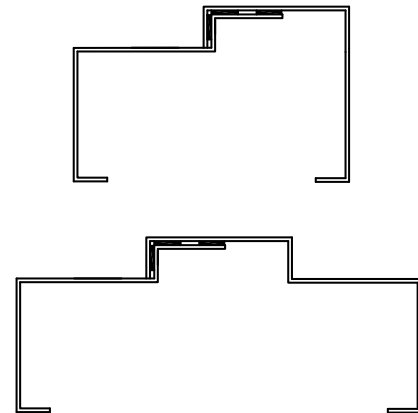
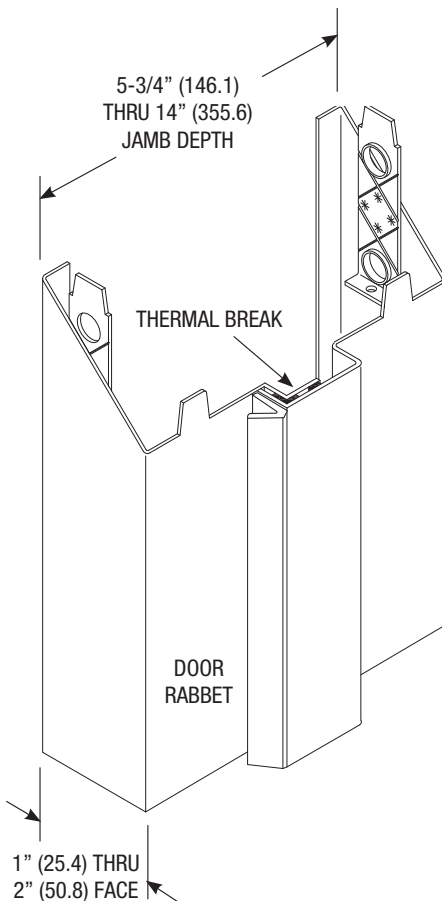
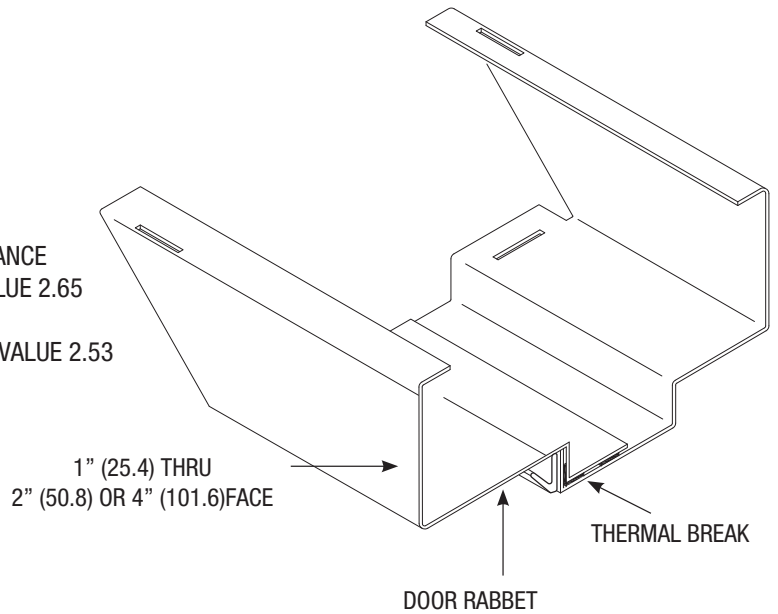


3-3/4" (95.3) THRU 5-5/8" (142.9) JAMB DEPTH
 AVAILABLE SINGLE RABBET
 14 GA. (1.9) AND 16 GA. (1.4) GALVANEALD STEEL
 5/8" (15.9) HIGH STOP ONLY
 KD, FACE ONLY WELD, OR FULL WELD
 MAXIMUM KD LENGTH - 8'0" JAMB, 8'0" HEAD
 PUNCH FOR SILENCERS NOT AVAILABLE

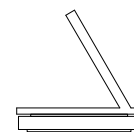
ANCHOR OPTIONS:
 WIRE ANCHOR
 SPLIT BASE ANCHOR
 SPLIT WOODSTUD ANCHOR
 EXISTING WALL ANCHOR

NFRC 102 U AND R VALUES STANDARDIZED THERMAL TRANSMITTANCE
 MERCURY FRAME & TRIO-E FLUSH DOOR - U VALUE 0.36, R VALUE 2.65
 MERCURY FRAME & FRP FLUSH DOOR - U VALUE 0.39
 MERCURY FRAME & MERCURY FLUSH DOOR - U VALUE 0.37 R VALUE 2.53

NFRC 400 AIR INFILTRATION (CFM/SQ FT)
 MERCURY FRAME & TRIO-E FLUSH DOOR - 0.5
 MERCURY FRAME & FRP FLUSH DOOR - 1.0
 MERCURY FRAME & MERCURY FLUSH DOOR - 0.5



PEMKO S44 SHIPS LOOSE WITH FRAME,
 TO BE FIELD INSTALLED AFTER FINISH PAINT.



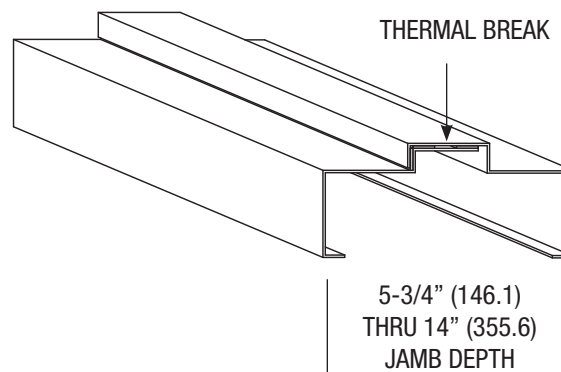
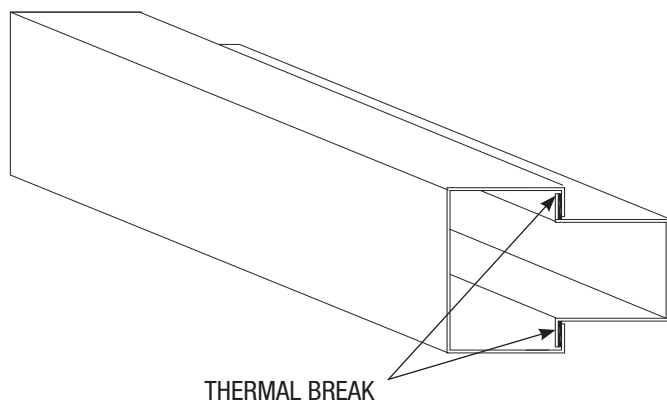
September, 2016



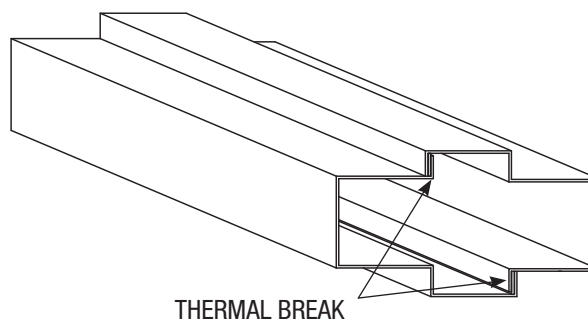
16 GA. (1.4) AND 14 GA. (1.9) GALVANEAELED STEEL ONLY
 5/8" (15.9) HIGH STOPS ONLY
 BUTT END JOINTS ONLY
 NOT LABELED

MERCURY U VALUE - 0.37
 MERCURY R VALUE - 2.70

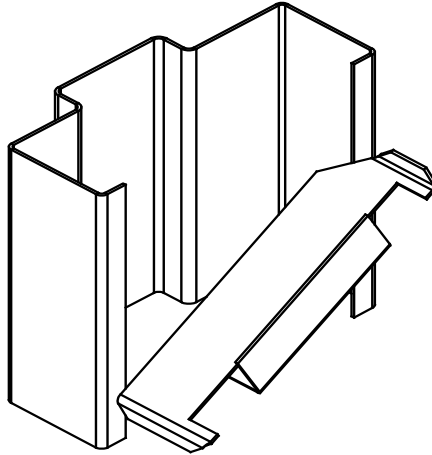
MULLION - 16 GA. (1.4) AND 14 GA. (1.9)
 PUNCH FOR SILENCERS NOT AVAILABLE.



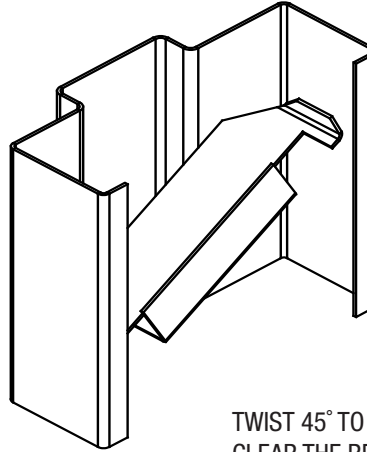
3-3/4" (95.3) THRU
 5-5/8" (142.9) JAMB
 DEPTH AVAILABLE
 SINGLE RABBET



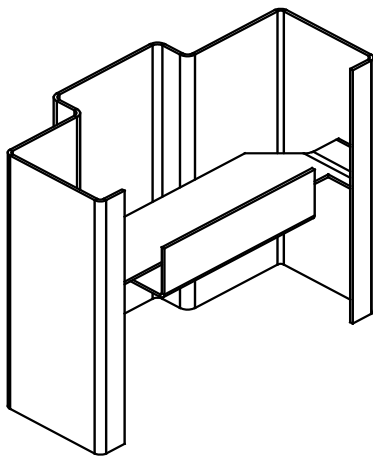
November, 2014



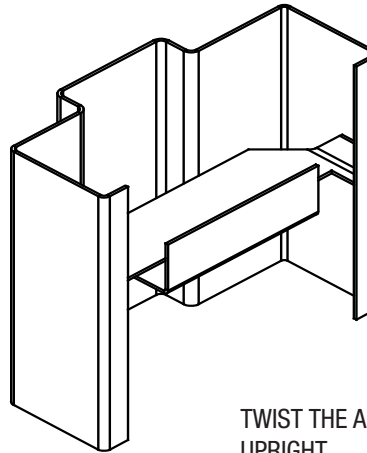
ROTATE ANCHOR 45°
TO CLEAR RETURNS.
SLIDE INTO PROFILE.



TWIST 45° TO
CLEAR THE RETURNS.

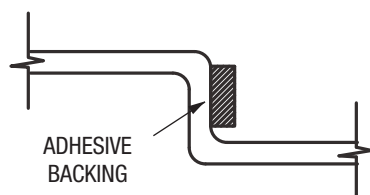
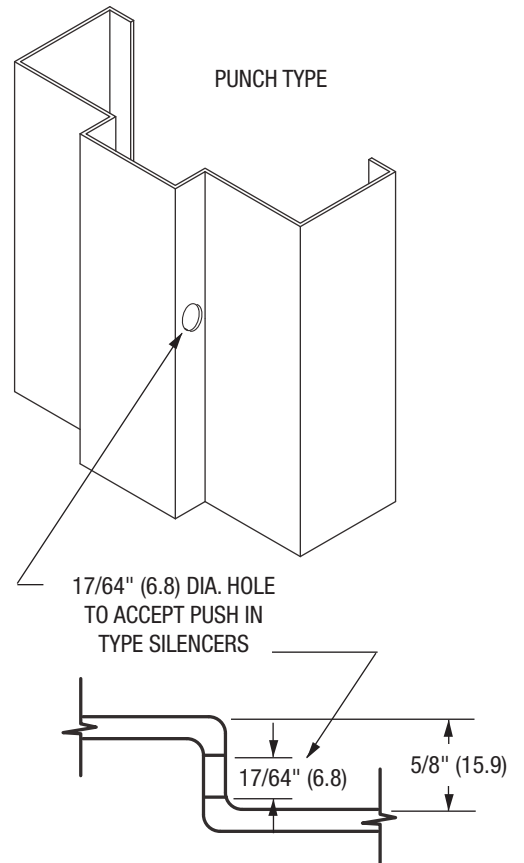
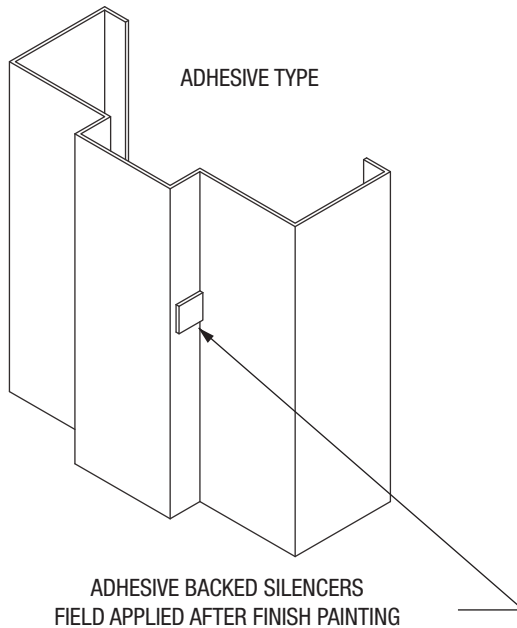
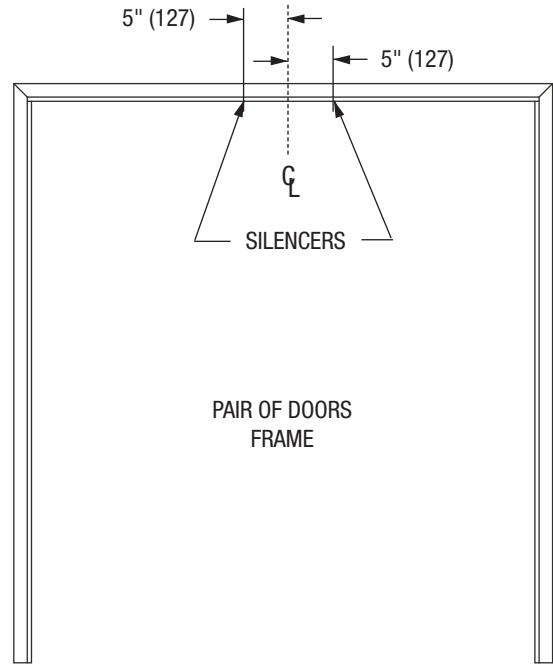
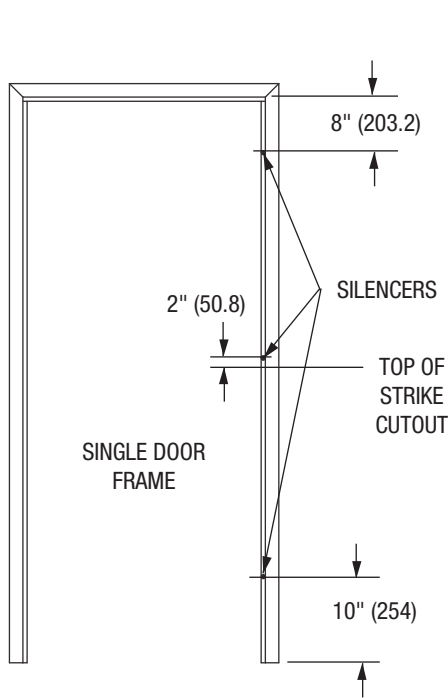


ROTATE TO GET THE
ANCHOR LEGS
UNDER THE PROFILE RETURNS.

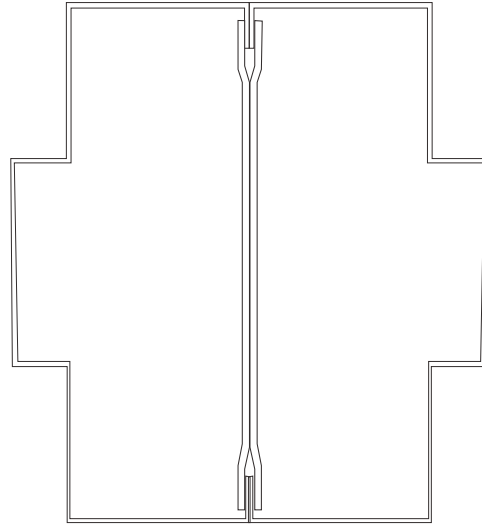


TWIST THE ANCHOR
UPRIGHT.

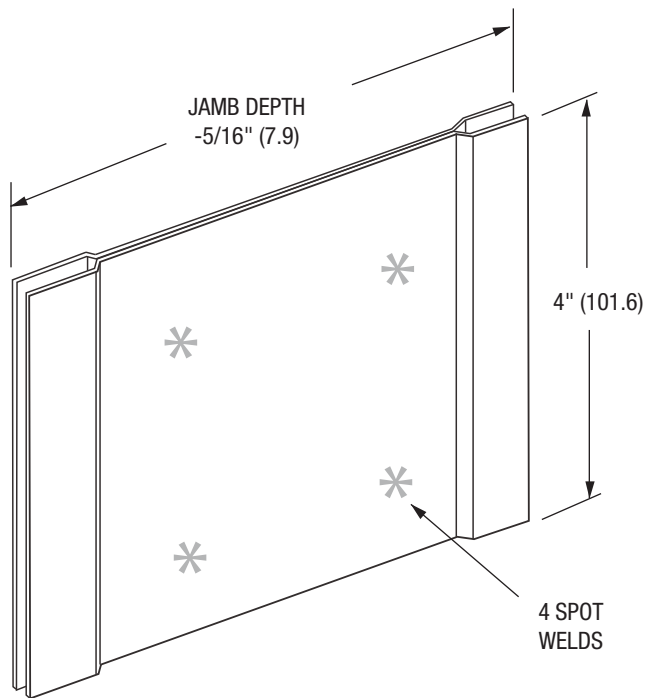
ROTATE THE
ANCHOR CLOCKWISE TO
TIGHTEN IN THE
PROFILE.



September, 2003



PART #P200
16 (1.4) GA.

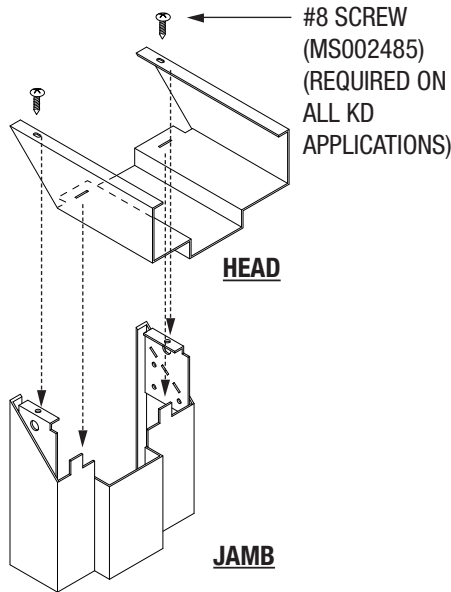


16 GA. (1.4)

PART #P200

MASONRY FRAMES, THERMAL BREAK, AND CURRISEAL FOR MASONRY, METAL STUD, AND WOOD STD WALLS

Assembly of Frame



Plumbing of Frame

Squaring the Frame

The installer should use wood spreaders (as described below), a carpenter's level (the longer the better), and a full size carpenter's square. Set the frame in the desired location. Level head and plumb jambs. Shim under jambs if necessary.

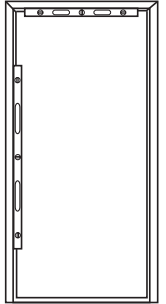


Spreader

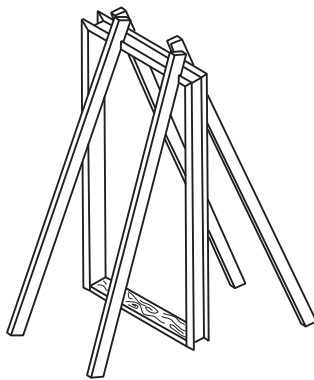
Typical wood spreader must be square and made from lumber at least 1" thick. Length of spreader equals door opening width at the head. Cut clearance notches for frame stops as shown. Spreader must be nearly as wide as frame depth for accurate installation.

Job Storage

Store frames off the ground on wood runners or skids. Do not store directly on the ground. Cover frames with tarpaulin or plastic but do insure that adequate ventilation is provided to eliminate moisture condensation. When frames are to be fully grouted and when plaster or mortar contain "anti-freeze" agents, the inside of the frames should be coated with a bituminous, water-resistant paint by the installation contractor.



BRACING FRAMES BEFORE WALL CONSTRUCTION FOR KD AND WELDED FRAMES

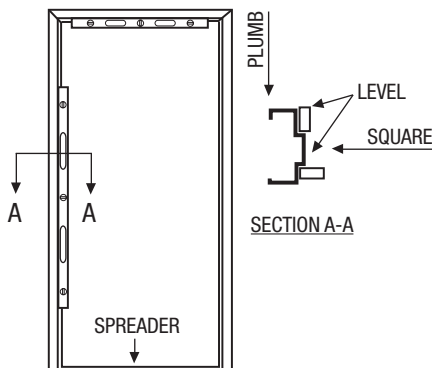


Bracing the frame

Brace the frame as shown or shore to a structure above. Brace in the direction of intended wall. Plumb and square jambs. Install vertical brace to support header for openings over 4'0" wide.

NOTE ON WELDED FRAMES:

Shipping bars should NOT be used as spreader. Remove shipping bar before setting frame.



Plumbing the frame

The contractor should be equipped with a carpenter level, square and spreader. Set the frame in desired location and level the header. Square jambs to header. Shim under jambs if necessary. With frame in place, set spreader and fasten jambs to floor through floor anchors.

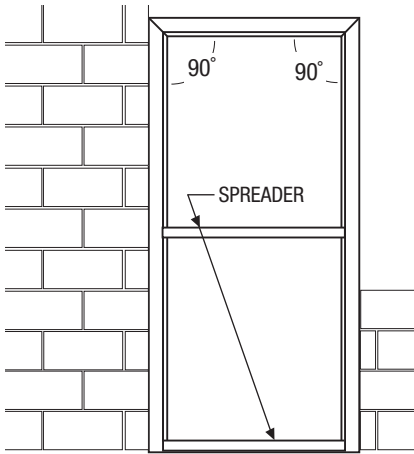


Spreader

Typical wood spreader must be square and fabricated from lumber no less than 1" thick. Correct length is the door opening width between the jambs at the header (i.e., Single Door 3'0" = 36"). Cut clearance notches for frame stops. Spreader must be nearly as wide as frame depth for accurate installation.

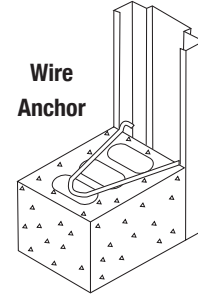
September, 2011

NEW MASONRY CONSTRUCTION FOR KD AND WELDED FRAMES



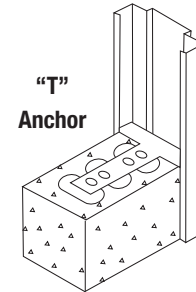
1. Assemble frame.
2. Set brace and plumb frame.
3. Install anchors. Grout frame in the area of the anchors as block courses are laid up. Frames may also be supplied with anchors welded in place.
4. A second spreader is recommended at the mid point of the door opening to maintain the door opening dimension.
5. Continually check plumb and square as wall progresses.

NOTE: Anchors in frame heads are not required.

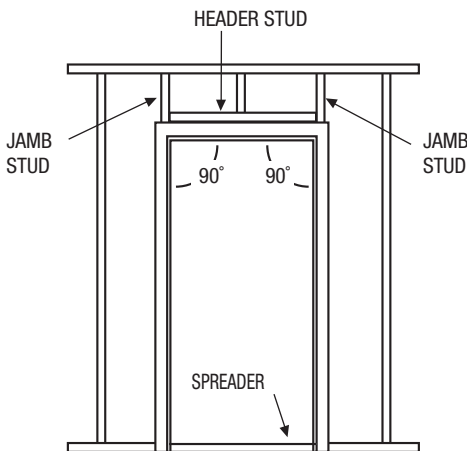


Existing Masonry Construction

1. Drill (4) 9/16" diameter holes evenly spaced in each jamb for 3/8" expansion shell anchors. Install multipurpose anchor at each 9/16" hole.
2. Assemble 3 frame pieces flat on floor. Install (4) #8 x 1/2" sheet metal screws (included) at corners of head to each jamb (required for Underwriters Laboratories fire rating). Locate removable spacing bar at base of frame to maintain proper opening width during installation.
3. Position assembled frame in opening. Plumb and level the frame. Shim frame as required.
4. Anchor frame to wall with 3/8" expansion shell anchors, shimming behind anchors as needed.



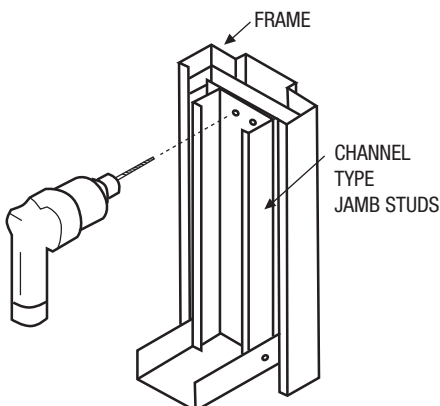
STEEL STUD WALL CONSTRUCTION WITH FLUSH OR RECESS TYPE ANCHORS FOR KD AND WELDED FRAMES



Elevation

1. Assemble frame.
2. Install anchors. Position anchors in frame through the throat and tap in with a hammer. Frames may also be supplied with anchors welded in place.
3. Square, brace and plumb frame as shown.
4. Set spreader. Attach jambs to floor through floor anchor or floor extension. Install jamb studs to floor and ceiling runners and tightly against frame anchors.
5. Attach studs to frame anchors as shown below.

NOTE: Drywall must extend at least 1/2" into frame at fire rated installations.

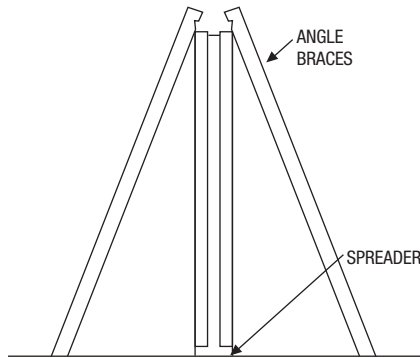


Channel type steel stud

Position studs in frame throat and attach to anchors with screws or weld. If using screws, the installer should drill from the back side of the stud, through both the stud and anchor, then attach with (2) screws per anchor location.

NOTE: When attaching header stud to jamb studs, be sure the stud is above frame header. This will assure ample room for attaching plaster lath or drywall and will not interfere with installation of hardware attached to frame header. Anchors are not required in frame heads, except fire listed double egress openings.

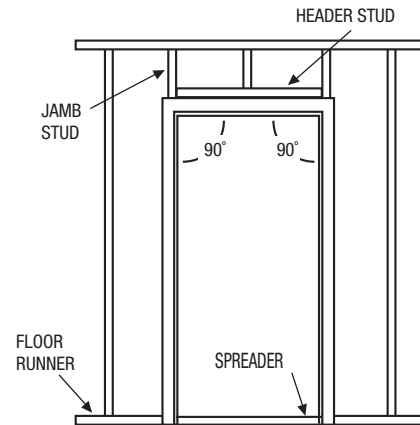
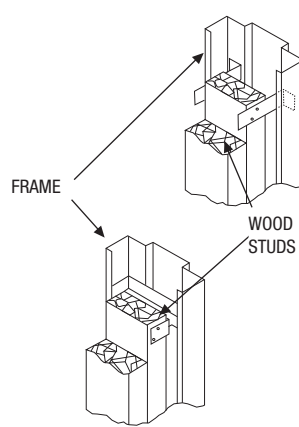
WOOD STUD CONSTRUCTION FOR KD AND WELDED FRAMES



Erect frame

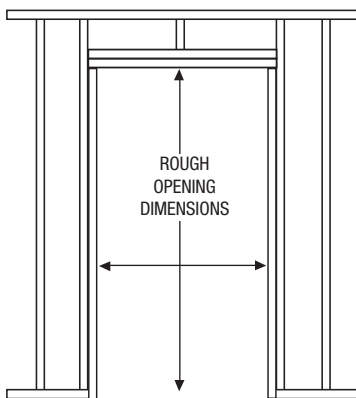
Assemble frame. Stand frame up in desired location. Anchor one jamb to floor and set spreader on floor from anchored jamb to loose jamb. Plumb, level, and square frame. Position and anchor second jamb, then brace.

NOTE: Drywall must extend at least 1/2" into frame at fire rated installations.



1. Install anchors. Position anchors in frame throat and tap in with a hammer. Frames may also be supplied with anchors welded in place.
2. Set spreader. Attach jambs to floor through floor anchor or floor extension. Install double jamb studs to floor and ceiling runners and header.
3. Bend anchor tabs around stud leaving desired clearance between frame return and stud for inserting finished wall material.
4. Square and nail top anchor to stud on ONE JAMB ONLY. Check plumb and square and continue to nail balance of anchors to stud. Repeat for opposite jamb.
5. Anchors are not required in frame heads, except fire listed double egress openings.

WOOD STUD CONSTRUCTION (STUDS ERECTED BEFORE FRAME)

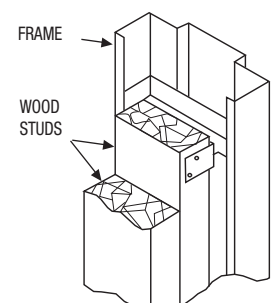
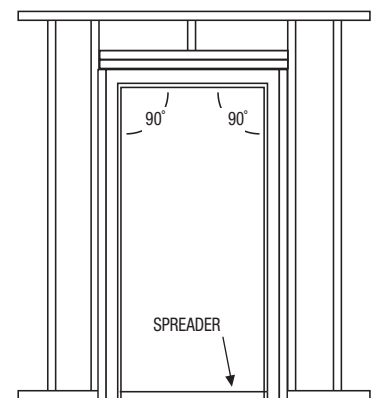


Rough opening

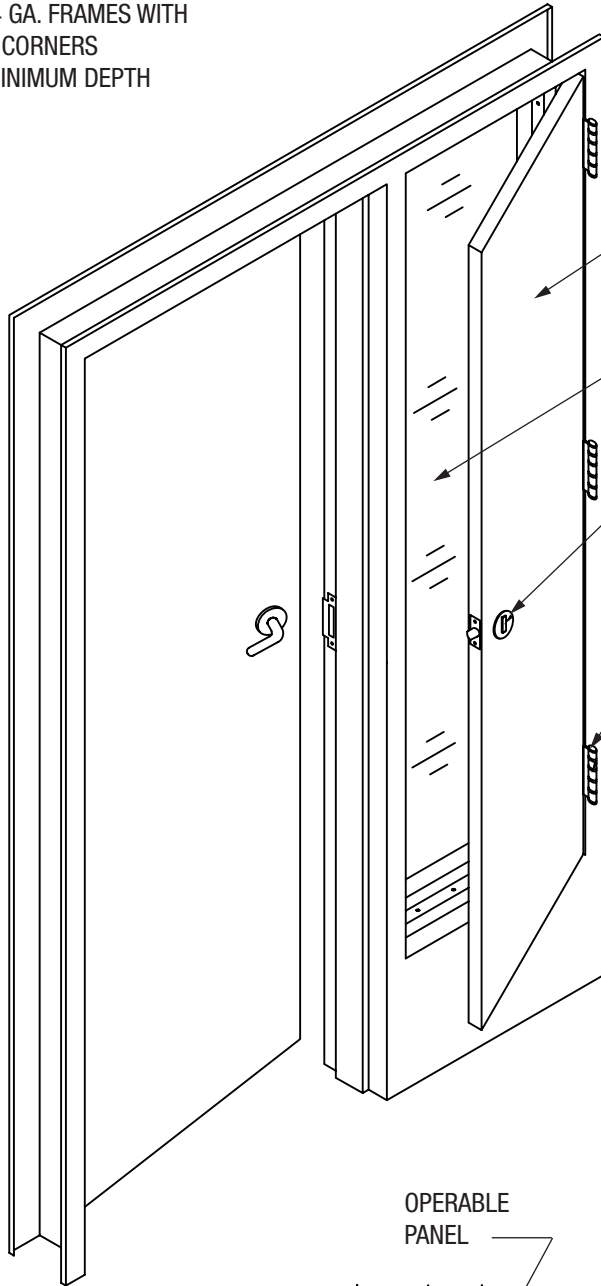
Build rough opening. Rough opening dimensions for 2" face frames should be 4-1/4" - 4-1/2" larger than door width and 2-1/4" - 2-1/2" larger than door height. It is recommended that double studs be used at jambs and headers.

NOTE: Drywall must extend at least 1/2" into frame at fire rated installations.

1. Assemble frame.
2. Install anchors. Position anchors in frame throat and tap in with a hammer. Frames may also be supplied with anchors welded in place. Base anchors may also be used. If base anchor cannot be used add one anchor per jamb at bottom.
3. Place frame in rough stud opening.
4. Bend anchor tabs around stud leaving desired clearance between frame return and stud for inserting finished wall material.
5. Set spreader and level frame. Shim jambs if necessary.
6. Square and nail top anchor to stud on ONE JAMB ONLY. Check plumb and square and continue to nail balance of anchors to stud. Repeat for opposite jamb.
7. Anchors are not required in frame heads, except fire listed double egress openings.



16 OR 14 GA. FRAMES WITH
WELDED CORNERS
6-3/4" MINIMUM DEPTH



FEATURES:

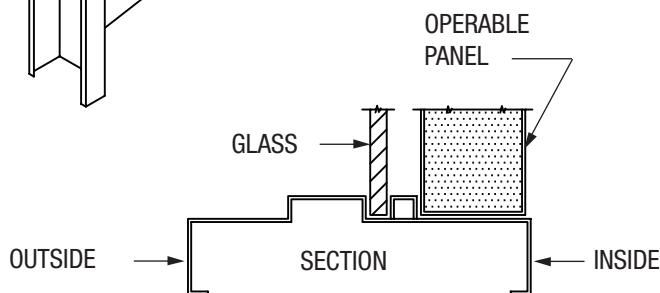
- HINGED SECURITY PANEL CLOSES TO CREATE A VISUAL BARRIER
- GLASS POCKETS AVAILABLE FOR UP TO 1" THICK GLASS
- PREPARED FOR SELF LATCHING DEADBOLT TO MEET PROJECT REQUIREMENTS
- STANDARD 4-1/2" X .134 HINGE PREPARATIONS

OPTIONS:

- AVAILABLE WITH MASONRY AND STUD WALL ANCHORS
- FIRE RATING:
WARNOCK HERSEY
3/4 HOUR RATING.
(1-1/2 HOUR WITH SPECIALTY GLAZING)

USES:

- CLASSROOMS
- POST OFFICES
- GOVERNMENT FACILITIES
- AIRPORTS



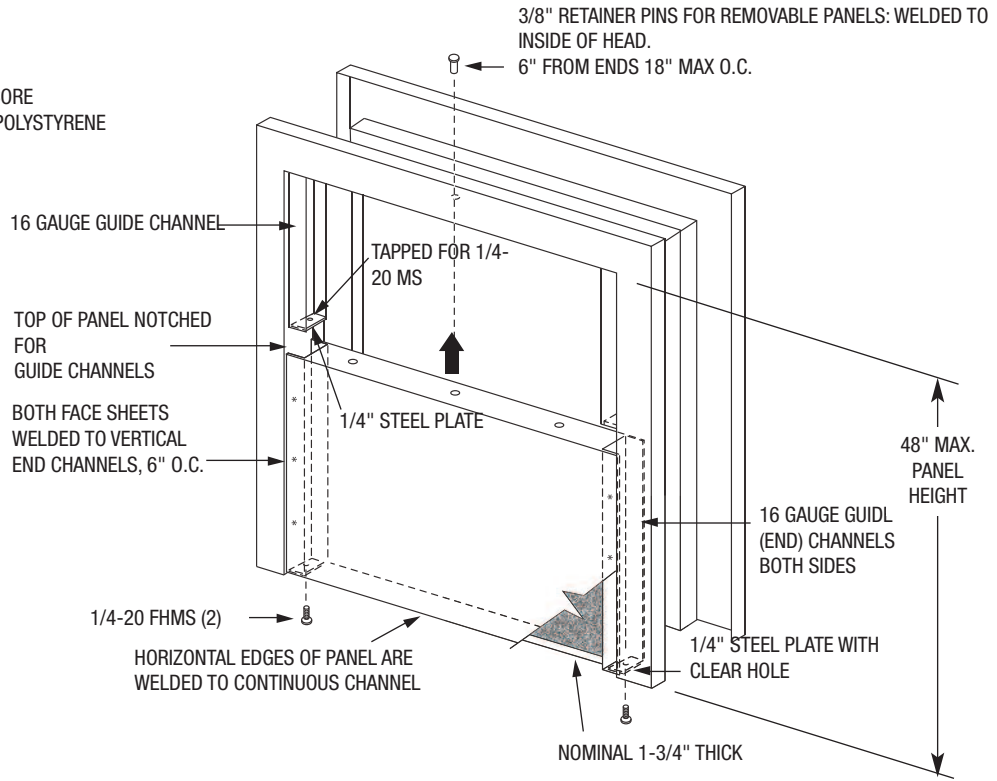
April, 2012



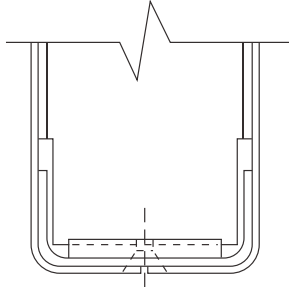
HORIZONTAL ASTRAGAL REQUIRED.

PANEL -
 RATED - HONEYCOMB AND MINERAL CORE
 NON-RATED - STEEL STIFFENED AND POLYSTYRENE

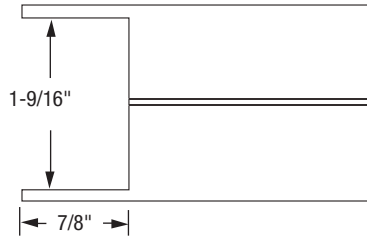
FRAME -
 3 HR MAX. RATING
 11'4" MAX. HEIGHT
 4' MAX. WIDTH SINGLE
 8' MAX. WIDTH PAIR



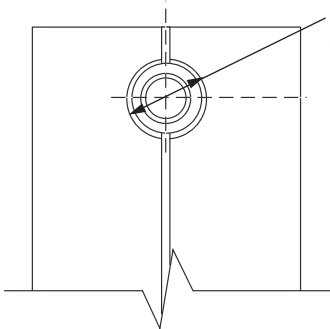
BOTTOM OF PANEL



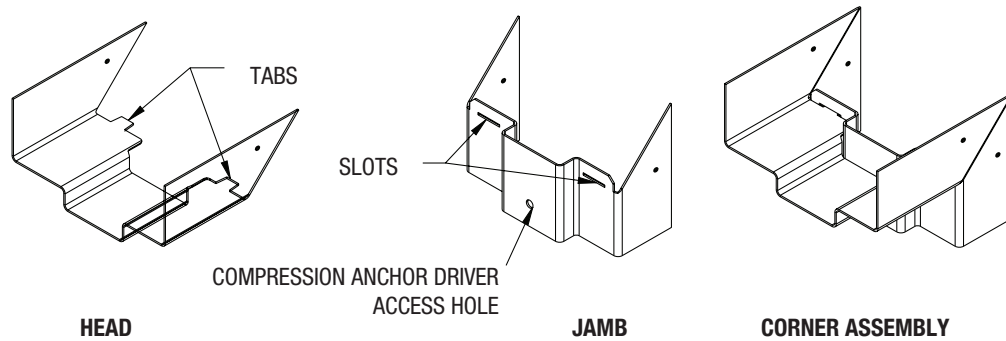
TOP OF PANEL



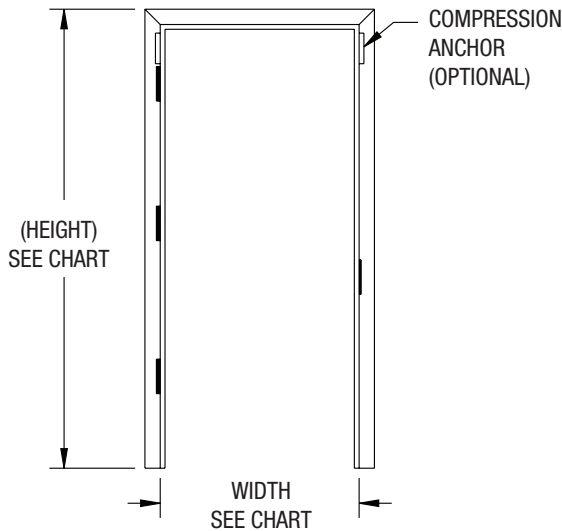
DRILL 1/4" AND COUNTERSINK



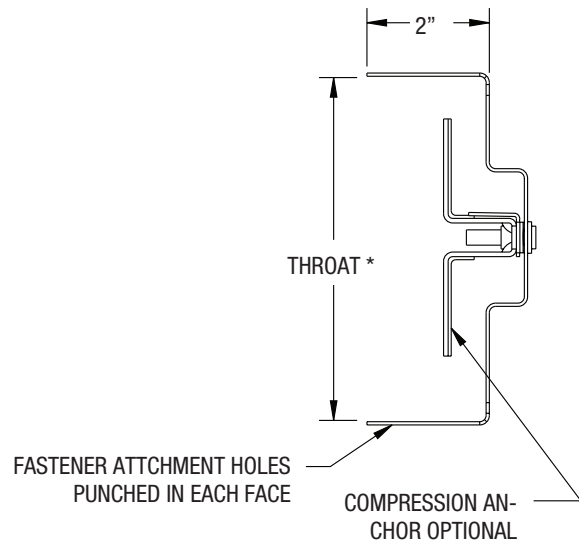
NOTE: PANEL AND TRANSOM FRAME REQUIRE SPECIAL CONSTRUCTION. MUST BE INDICATED ON BOTH DOOR AND FRAME ORDER.



N PROFILE STANDARD WILL BE COMPRESSION ANCHORS AND NAIL HOLES ON BOTH SIDES.
NM PROFILE WILL NOT HAVE COMPRESSION ANCHORS. ANCHORS (WELDED IN ONLY) AND NAIL HOLES NEED TO BE SPECIFIED.



* ORDER USING JAMB DEPTH
 JAMB DEPTH = THROAT DIMENSION + 1/8



SPECIFICATIONS:

- MAXIMUM SINGLE – 4'0" (1219) W X 9'-0" (2743) H
- MAXIMUM PAIR – 8'0" (2438) W X 9'0" (2743) H (NO DOUBLE EGRESS)
- THROAT – 3-3/4" (95) MIN TO 13" (330) MAX 3F ONLY.
- SINGLE AND DOUBLE RABBIT ONLY (NO KERF)
- GAUGE: 16 GA. (1.5) MIN, 14 GA (1.8) MAX
- MATERIAL: COLD ROLLED OR GALVANNEALED STEEL
- ATTACHMENT HOLES: THE HOLES ARE PUNCHED TO A 0.144" DIAMETER AND LOCATED AT 16" MAX SPACING AND 2" MAX FROM ENDS.

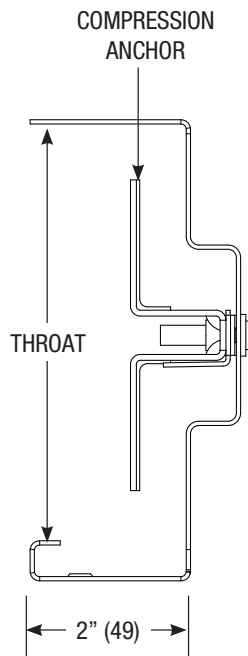
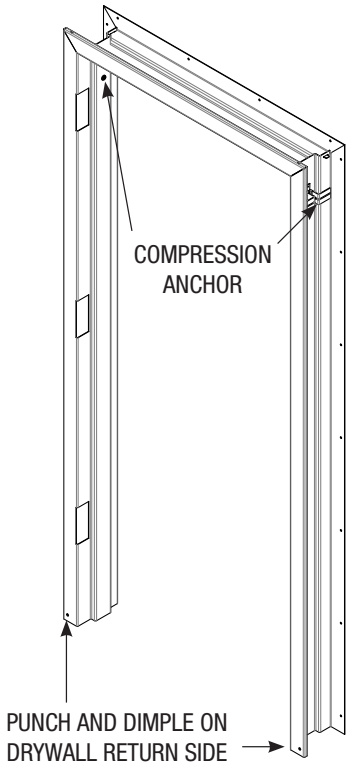
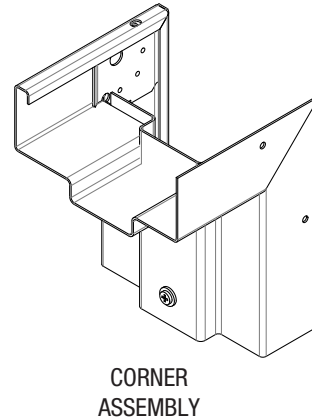
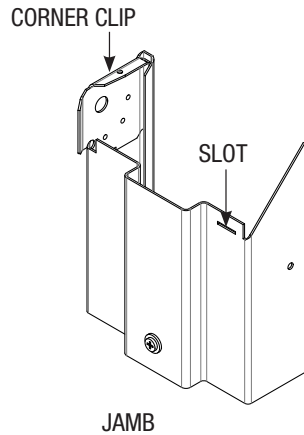
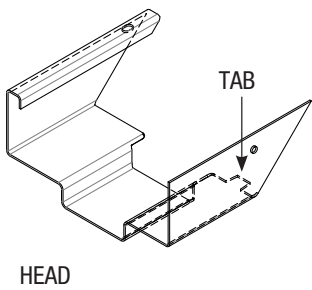
FIRE LABEL NOTES:

WOOD TRIM SHALL BE APPLIED TO FRAME FACES WITH A FIRE LISTED CONTACT ADHESIVE AND /OR FAST CAP 2P-10 ADHESIVE. WOOD TRIM MUST BE HELD BACK FROM THE CORNER OF THE FRAME FACE (CLOSEST TO THE DOOR RABBIT) APPROXIMATELY 1/4" - 3/8" .

December, 2015



90 MINUTE MAXIMUM RATING
(INTERTEK ONLY)



SPECIFICATIONS:

MAXIMUM SINGLE – 4’0” (1219) W X 9’-0” (2743) H

MAXIMUM PAIR – 8’0” (2438) W X 9’0” (2743) H
(NO DOUBLE EGRESS)

THROAT – 3-3/4” (95) MIN TO 13” (330) MAX
3F ONLY.

SINGLE AND DOUBLE RABBET ONLY (NO KERF)

GAUGE: 16 GA. (1.5) MIN, 14 GA (1.8) MAX

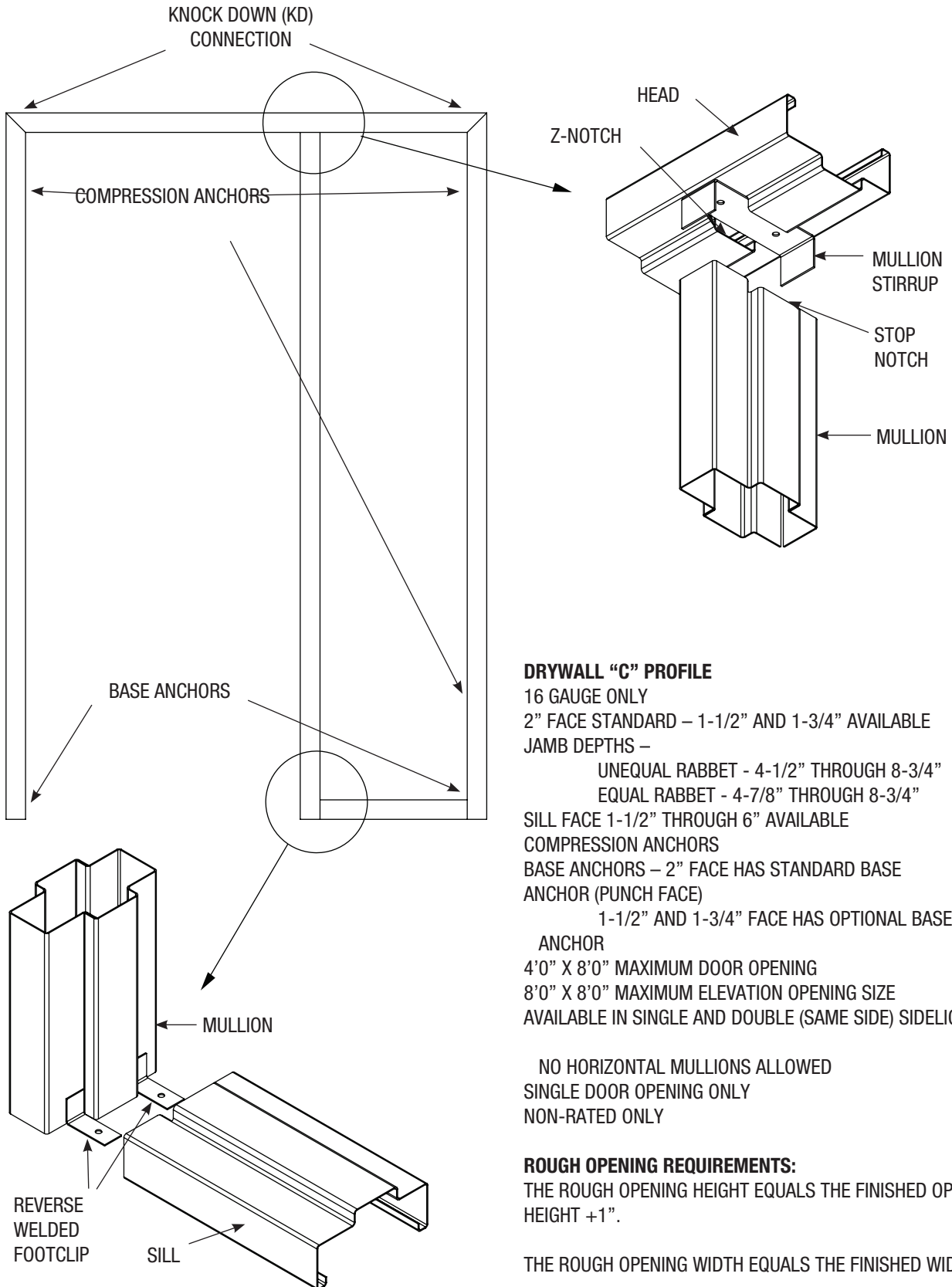
MATERIAL: COLD ROLLED OR GALVANNEALED STEEL

ATTACHMENT HOLES: THE HOLES ON THE “NO

RETURN” SIDE ARE PUNCHED TO A 0.144”

DIAMETER AND LOCATED AT 16” MAX SPACING

AND 2” MAX FROM ENDS.



DRYWALL "C" PROFILE
 16 GAUGE ONLY
 2" FACE STANDARD – 1-1/2" AND 1-3/4" AVAILABLE
 JAMB DEPTHS –
 UNEQUAL RABBET - 4-1/2" THROUGH 8-3/4"
 EQUAL RABBET - 4-7/8" THROUGH 8-3/4"
 SILL FACE 1-1/2" THROUGH 6" AVAILABLE
 COMPRESSION ANCHORS
 BASE ANCHORS – 2" FACE HAS STANDARD BASE ANCHOR (PUNCH FACE)
 1-1/2" AND 1-3/4" FACE HAS OPTIONAL BASE ANCHOR
 4'0" X 8'0" MAXIMUM DOOR OPENING
 8'0" X 8'0" MAXIMUM ELEVATION OPENING SIZE
 AVAILABLE IN SINGLE AND DOUBLE (SAME SIDE) SIDELIGHT

NO HORIZONTAL MULLIONS ALLOWED
 SINGLE DOOR OPENING ONLY
 NON-RATED ONLY

ROUGH OPENING REQUIREMENTS:
 THE ROUGH OPENING HEIGHT EQUALS THE FINISHED OPENING HEIGHT +1".

THE ROUGH OPENING WIDTH EQUALS THE FINISHED WIDTH +2".

April, 2011



“Hardwiring Made Easy”

The CURRIES LX cable is equipped with the ElectroLynx® System of “plug-in” connectors for fast, easy, connection to similarly equipped ASSA ABLOY Hardware. The LX cable has 15 conductors of 22 gauge wire in a PVC jacket, with ElectroLynx snap connectors on the hardware prep end only. Ship loose only. Power over Ethernet (PoE) cables are also available.

- Check anchor interference with conduit, some loose anchor styles won't work.
- Some electric preps won't allow 1/2" drywall penetration for fire rated frames.
- Conduit is to be supplied and installed by others.

CURRIES Tech Manual
General Information
Revised June 2013

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Notes

Architectural Technical Data

 **CURRIES**

ASSA ABLOY

SDI Technical Documents

The following is a list of the current Technical Documents available from the Steel Door Institute. All of these documents are contained in the SDI Fact File, and are for the first time available to download for free. The listed prices are for ordering hard copies, available individually in any quantity.

To download any of these documents for free go to SDI's website at: www.steeldoor.org/html/tech.html

What Is The SDI?

A 4-page brochure discussing the Institute, its organization, structure and its activities.

SDI The Standard Steel Door and Frame Story

This document provides an overview of the products of the industry and general information concerning standard steel doors and frames.

SDI-108-10 Recommended Selection and Usage Guide for Standard Steel Doors

This document was developed to establish guide criteria for the selection and usage of 1-3/4" and 1-3/8" standard steel doors in such building types as apartment, dormitory, hotel/motel, hospital/nursing home, industrial, office and school.

SDI-110-09 Standard Steel Doors and Frames for Modular Masonry Construction

This document contains information in respect to, as the title indicates, the installation of standard steel doors and frames in modular masonry construction. The basic module covered in the document as developed by the industry is 4".

SDI-111-09 (Series) Recommended Selection & Usage Guide for Standard Steel Doors, Frames and Accessories

111-A Recommended Standard Steel Door Details

Covers recommended steel door frame details as they are affected by common wall conditions.

111-B Recommended Standard Details for Dutch Doors

111-C Recommended Louver Details for Standard Steel Doors

This document discusses, explains and details a variety of louver designs and size available for standard steel doors

111-D Recommended Door, Frame and Hardware Schedule for Standard Steel Doors and Frames

Contains a suggested door, frame and hardware schedule form and defines "handing".

111-E Recommended Guidelines for the Use of Gasketing and Thresholds for Standard Steel Doors and Frames

Contains details which represent the recommendations of the SDI in respect to weather-stripping of standard steel doors and frames.

111-F Recommended Existing Wall Anchors for Standard Steel Doors and Frames

A guide for architects to aid them in recognizing available options to the traditional sub buck detail which has been widely used in the past. It illustrates anchoring systems which are available in regular and labeled frames.

111-G Recommended Standard Preparation for Double Type (Interconnected) Locks on Standard Steel Doors and Frames

Dimensions for standard door and frame preparation for double type (interconnected) locks.

111-H High Frequency Hinge Preparations for Frames

Specifications for steel frames used in extremely high frequency or high use areas which need to be supplied with additional reinforcing to eliminate potential door sag.

SDI-112-08 Zinc-Coated (Galvanized/Galvannealed) Standard Steel Doors and Frames

This document provides information regarding the galvanized sheet used in standard steel door and frame construction when a requirement for galvanized doors and frames is specified.

SDI-113-13 Standard Practice for Determining the Steady State Thermal Transmittance of Steel Door and Frame Assemblies

This document establishes a minimum standard and a method of test for thermal effectiveness of steel door and frame assemblies under circumstances that might reasonably be considered normal field applications and conditions.

SDI-117-09 Manufacturing Tolerances for Standard Steel Doors and Frames

This document is intended to furnish users and prospective users of standard steel doors and frames with practical information regarding mortise and manufacturing tolerances for both doors and frames.

June, 2013

SDI-118-12 Basic Fire Door, Fire Door Frame, Transom/Sidelight Frame, and Window Frame Requirements

This document contains rules and other information in a condensed and simplified manner in respect to code requirements for the design and use of fire doors.

SDI-122-07 Installation and Troubleshooting Guide for Standard Steel Doors and Frames

This document covers field installation problems most commonly experienced with standard steel door and frame installations. Most problems encountered are because of inappropriate application of the products and/or improper installation.

SDI-124-11 Maintenance of Standard Steel Doors and Frames

This document is intended to serve as a general outline of maintenance activities needed for hollow metal doors and frames. It should be noted that the door and frame are virtually maintenance free. Maintenance will be, for the most part, associated with accessories and hardware attached to the door and frame.

**SDI-127 Series - Industry Alerts
(A through L)**

127-A End Closure

127-B Door Edge Cutouts

127-C Frame Cutout Limits

127-D Electric Strikes in Stud Walls

127-E Prime Painted Materials Alert

127-F Butted Frames Rough Opening Sizes

127-G Environmental Considerations Relating to Factory Painted Steel Doors and Frames

127-H Water Penetration

127-I Grouting Frames in Drywall

127-J Bituminous Back-Coating of Frames

127-K Improper Wedges as Hold-Opens

127-L Buyer Beware: Steel Doors with Lead-Based Primer

SDI-128-09 Guidelines for Acoustical Performance of Standard Steel Doors and Frames

This document shall provide guidelines for the specifying, designing, installing, and adjusting of standard steel doors and frames in Sound Control applications.

SDI-129-12 Hinge and Strike Spacing

A reference of standard locations used in the manufacture of steel door and frames by SDI member companies for a variety of door sizes.

SDI-130-05 Electronic Hinge Preparations

Practical information regarding an acceptable method for preparing frames for 4-1/2" electric hinges. This document will allow frame manufacturers to provide frames prior to having knowledge of the specific electric hinge being used.

SDI-131-10 Accelerated Physical Endurance Test Procedure for Steel Doors

This test procedure provides manufacturers with a method of quickly testing the performance of doors.

ANSI Standards

The SDI has promulgated the following ANSI Standards and Test Methods. All of the SDI Member Companies stress the Performance of Standard Steel Door Products and those products have been tested to meet the acceptance criteria or requirements contained in these standards.

All of these documents are contained in the SDI Fact File, and are for the first time available to download for free.

To download any of these documents for free go to SDI's website at: www.steeldoor.org/html/ansi.html

A250.3-2007 (R2011) Test Procedure and Acceptance Criteria for Factory Applied Finish Coatings for Steel Doors and Frames

Prescribes the procedure to be followed in the selection of material, chemical preparation, painting, testing, and evaluation of factory applied finish painted steel surfaces for steel doors and frames.

A250.4-2011 Test Procedure and Acceptance Criteria for Physical Endurance for Steel Doors and Hardware Reinforcing

A standard method of testing the performance of a steel door mounted in a pressed steel or channel iron frame under condition that might be considered an accelerated field operating conditions.

A250.6-2003 (R2009) Recommended Practice for Hardware Reinforcing on Standard Steel Doors and Frames

Provides users of standard steel doors and frames with practical information regarding accepted design methods for reinforcing, and recommended practices for proper field preparation and installation of builders hardware.

A250.8-2003 (R2008) Recommended Specifications for Standard Steel Doors and Frames (Formerly SDI-100)

This specification for swinging steel doors and frames offers a number of choices in both regular and fire rated door and frame constructions. The user must select from the specification the specific grades of doors and frames that best apply to the project.

This specification covers sizes, types, materials, general construction requirements and finishing of 1-3/4 in extra heavy duty steel doors, 1-3/4 in heavy duty steel doors, 1-3/4 in and 1-3/8 in standard duty steel doors, together with frames and accessories. They are intended to be standard items not subject to variations.

A250.10-1998 (R2011) Test Procedure and Acceptance Criteria for Prime Painted Steel Surfaces for Steel Doors and Frames (R2004)

Procedures for the selection of material, chemical preparation, painting, testing and evaluation of prime painted steel surfaces for steel doors and frames.

A250.11-2012 Recommended Erection Instructions for Steel Frames

This document includes information in respect to storage of frames on the jobsite, grouting and back painting of frames and assembly of frames. It contains instructions in respect to bracing frames before wall construction and the installation of frames in masonry, steel stud wall construction, wood stud wall construction and drywall construction.

A250.13-2008 Testing and Rating of Severe Windstorm Resistant Components for Swinging Door Assemblies

This standard provides procedures for testing and establishing load ratings (design load in pounds per square foot or pounds force) for components of exterior swinging door assemblies. It is the intent of this document to test the protection of openings during severe windstorm conditions, such as a hurricane, that produces sustained wind speeds or gusts in a range of 110 to 150 miles per hour as defined by ASCE 7-02. It is not intended to simulate wind forces generated by tornadoes.

This guide has been prepared to establish metric equivalents for current standard dimensions on CURRIES' doors and frames. It is intended for in-house use at this time. All numbers used have been calculated using a "soft" conversion method. This means that all existing sizes and dimensions remain the same. The dimensions are simply converted to metric numbers. It is unknown at this time whether or not curries' will ever undergo a "hard" metric conversion. This type of conversion involves changing the actual product dimensions to round metric numbers. We have used a conversion factor of 1" = 25.4 mm (exactly). Nominal dimensions are those by which a component is usually identified, i.e. 3070 door. Net dimensions are the actual finished size dimensions of the product, i.e. a 3070 nominal door size is a 35-13/16" x 83-1/4" net door size.

CONVERSION EXAMPLE: Convert a 3070 door and frame to metric dimensions.

FRAME OPENING WIDTH (NOMINAL):	36" X 25.4 mm = 914.4 mm = 914 mm
FRAME OPENING LENGTH (NOMINAL):	84" X 25.4 mm = 2133.6 mm = 2134 mm
FRAME OPENING WIDTH (NET):	36" X 25.4 mm = 914.4 mm
FRAME OPENING LENGTH (NET):	84" X 25.4 mm = 2133.6 mm
So, the nominal opening size is 914 mm x 2134 mm, and the net opening size is 914.4 mm x 2133.6 mm.	
DOOR WIDTH (NOMINAL):	36" X 25.4 mm = 914.4 mm = 914 mm
DOOR HEIGHT (NOMINAL):	84" X 25.4 mm = 2133.6 mm = 2134 mm
DOOR WIDTH (NET):	3/16" undersize = 3/16" x 25.4 mm = 4.8 mm 36" x 25.4 mm = 914.4 mm – 4.8 mm = 909.6 mm
DOOR HEIGHT (NET):	3/4" UNDERSIZE = 3/4" X 25.4 mm = 19 mm 84" x 25.4 mm = 2133.6 mm – 19 mm = 2114.6 mm
So, the nominal door size is 914 mm x 2134 mm and the net door size is 909.6 mm x 2114.6 mm.	
THE ATTACHED DOCUMENTATION SHOWS NOMINAL AND NET CONVERSIONS FOR:	
Frame Opening Height & Width	Door Height & Width
Stop Heights	Frame Faces
Steel Gauges–Preferred	Door Thickness
Frame Returns	Frame Throat Openings
Frame Jamb Depths (3" – 14-7/8")	

April, 2002

FRAME OPENING WIDTH		
NOMINAL WIDTH	NOMINAL WIDTH	NET (ACTUAL)
ENGLISH	METRIC	METRIC
1'0"	305	304.8
1'2"	356	355.6
1'4"	406	406.4
1'6"	457	457.2
1'8"	508	508
1'10"	559	558.8
2'0"	610	609.6
2'2"	660	660.4
2'4"	711	711.2
2'6"	762	762
2'8"	813	812.8
2'10"	864	863.6
3'0"	914	914.4
3'2"	965	965.2
3'4"	1016	1016
3'6"	1067	1066.8
3'8"	1118	1117.6
3'10"	1168	1168.4
4'0"	1219	1219.2
5'0"	1524	1524
6'0"	1829	1828.8
7'0"	2134	2133.6

DOOR OPENING WIDTH		
NOMINAL WIDTH	NOMINAL WIDTH	NET (ACTUAL)
ENGLISH	METRIC	(NOM.- 3/16" [4.8]) METRIC
1'0"	305	300.0
1'2"	356	350.8
1'4"	406	401.6
1'6"	457	452.4
1'8"	508	503.2
1'10"	559	554.0
2'0"	610	604.8
2'2"	660	655.6
2'4"	711	706.4
2'6"	762	757.2
2'8"	813	808.0
2'10"	864	858.8
3'0"	914	909.6
3'2"	965	960.4
3'4"	1016	1011.2
3'6"	1067	1062.0
3'8"	1118	1112.8
3'10"	1168	1163.6
4'0"	1219	1214.4
5'0"	1524	1519.2
6'0"	1829	1824.0
7'0"	2134	2128.8

FRAME OPENING HEIGHT		
NOMINAL WIDTH	NOMINAL WIDTH	NET (ACTUAL)
ENGLISH	METRIC	METRIC
6'6"	1981	1981.2
6'8"	2032	2032
6'10"	2083	2082.8
7'0"	2134	2133.6
7'2"	2184	2184.4
7'4"	2235	2235.2
7'6"	2286	2286
7'8"	2337	236.8
7'10"	2388	2387.6
8'0"	2438	2438.4

DOOR OPENING HEIGHT		
NOMINAL WIDTH	NOMINAL WIDTH	NET (ACTUAL)
ENGLISH	METRIC	(NOM.- 3/4" [19]) METRIC
6'6"	1981	1962.2
6'8"	2032	2013.0
6'10"	2083	2063.8
7'0"	2134	2114.6
7'2"	2184	2165.5
7'4"	2235	2216.2
7'6"	2286	2267.0
7'8"	2337	2317.8
7'10"	2388	2368.6
8'0"	2438	2419.4

STOP HEIGHT		
NOMINAL WIDTH	NOMINAL WIDTH	NET (ACTUAL)
ENGLISH	METRIC	METRIC
1/2"	12	12.7
5/8"	16	15.9
3/4"	19	19.0
1"	25	25.4
1-1/4"	32	31.7

STEEL GAUGES		
GAUGE	ENGLISH	METRIC
20	.032"	.08
18	.042"	1.1
16	.053"	1.3
14	.067"	1.7
12	.093"	2.4

FRAME RETURNS		
NOMINAL WIDTH	NOMINAL WIDTH	NET (ACTUAL)
ENGLISH	METRIC	METRIC
3/8"	10	9.5
7/16"	11	11.1
1/2"	13	12.7

FRAME FACES		
NOMINAL WIDTH	NOMINAL WIDTH	NET (ACTUAL)
ENGLISH	METRIC	METRIC
1"	25	25.4
1-1/4"	32	31.8
1-1/2"	38	38.1
1-3/4"	44	44.5
2"	51	50.8
4"	102	101.6

FRAME FACES			
	NOMINAL WIDTH	NOMINAL WIDTH	NET (ACTUAL)
GA.	ENGLISH	METRIC	METRIC
20	1-3/4"	45	43.9
18	1-3/4"	45	44.5
16	1-3/4"	45	44.9
14	1-3/4"	45	45.8
20	1-3/8"	35	34.3
18	1-3/8"	35	34.9
16	1-3/8"	35	35.3
14	1-3/8"	35	36.3

FRAME FACES			THROAT OPENING (1/2" RETURNS)		
NOMINAL ENGLISH	NOMINAL METRIC	NET (ACTUAL) METRIC	NOMINAL ENGLISH	NOMINAL METRIC	NET (ACTUAL) METRIC
3"	76	76.2	2"	51	50.8
3-1/8"	79	79.4	2-1/8"	54	54.0
3-1/4"	83	82.6	2-1/4"	57	57.2
3-3/8"	86	85.7	2-3/8"	60	60.3
3-1/2"	89	88.9	2-1/2"	64	63.5
3-5/8"	92	92.1	2-5/8"	67	66.7
3-3/4"	96	95.3	2-3/4"	70	69.9
3-7/8"	98	98.4	2-7/8"	73	73.0
4"	102	101.6	3"	76	76.2
4-1/8"	105	104.8	3-1/8"	79	79.4
4-1/4"	108	108.0	3-1/4"	83	82.6
4-3/8"	111	111.1	3-3/8"	86	85.7
4-1/2"	114	114.3	3-1/2"	89	88.9
4-5/8"	118	117.5	3-5/8"	92	92.1
4-3/4"	121	120.7	3-3/4"	96	95.3
4-7/8"	124	123.8	3-7/8"	98	98.4

ALL METRIC DIMENSIONS ARE IN MILLIMETERS UNLESS NOTED OTHERWISE

April, 2002

JAMB DEPTH			THROAT OPENING (1/2" RETURNS)			
NOMINAL ENGLISH	NOMINAL METRIC	NET (ACTUAL) METRIC		NOMINAL ENGLISH	NOMINAL METRIC	NET (ACTUAL) METRIC
5"	127	127.0		4"	102	101.6
5-1/8"	130	130.2		4-1/8"	105	104.8
5-1/4"	133	133.4		4-1/4"	108	108.0
5-3/8"	137	136.5		4-3/8"	111	111.1
5-1/2"	140	139.7		4-1/2"	114	114.3
5-5/8"	143	142.9		4-5/8"	118	117.5
5-3/4"	146	146.1		4-3/4"	121	120.7
5-3/4" *	146	146.1	(7/16" RET)	4-7/8"	124	123.8
5-7/8"	149	149.2		4-7/8"	124	123.8
6"	152	152.4		5"	127	127.0
6-1/8"	156	155.6		5-1/8"	130	130.2
6-1/4"	159	158.8		5-1/4"	133	133.4
6-3/8"	162	161.9		5-3/8"	137	136.5
6-1/2"	165	165.1		5-1/2"	140	139.7
6-5/8"	168	168.3		5-5/8"	143	142.9
6-3/4"	172	171.5		5-3/4"	146	146.1
6-7/8"	175	174.6		5-7/8"	149	149.2
7"	178	177.8		6"	152	152.4
7-1/8"	181	181.0		6-1/8"	156	155.6
7-1/4"	184	184.2		6-1/4"	159	158.8
7-3/8"	187	187.3		6-3/8"	162	161.9
7-1/2"	191	190.5		6-1/2"	165	165.1
7-5/8"	194	193.7		6-5/8"	168	168.3
7-3/4"	197	196.9		6-3/4"	172	171.5
7-7/8"	200	200.0		6-7/8"	175	174.6
8"	203	203.2		7"	178	177.8
8-1/8"	206	206.4		7-1/8"	181	181.0
8-1/4"	210	209.6		7-1/4"	184	184.2
8-3/8"	213	212.7		7-3/8"	187	187.3
8-1/2"	216	215.9		7-1/2"	191	190.5
8-5/8"	219	219.1		7-5/8"	194	193.7
8-3/4"	222	222.3		7-3/4"	197	196.9
8-7/8"	225	225.4		7-7/8"	200	200.0
9"	229	228.6		8"	203	203.2
9-1/8"	232	231.8		8-1/8"	206	206.4
9-1/4"	235	235.0		8-1/4"	210	209.6
9-2/8"	238	238.1		8-3/8"	213	212.7
9-1/2"	241	241.3		8-1/2"	216	215.9
9-5/8"	245	244.5		8-5/8"	219	219.1
9-3/4"	248	247.7		8-3/4"	222	222.3
9-7/8"	251	250.8		8-7/8"	225	225.4

ALL METRIC DIMENSIONS ARE IN MILLIMETERS UNLESS NOTED OTHERWISE

JAMB DEPTH			THROAT OPENING (1/2" RETURNS)		
NOMINAL ENGLISH	NOMINAL METRIC	NET (ACTUAL) METRIC	NOMINAL ENGLISH	NOMINAL METRIC	NET (ACTUAL) METRIC
10"	254	254.0	9"	229	228.6
10-1/8"	257	257.2	9-1/8"	232	231.8
10-1/4"	260	260.0	9-1/4"	235	235.0
10-3/8"	264	263.5	9-3/8"	238	238.1
10-1/2"	267	266.7	9-1/2"	241	241.3
10-5/8"	270	269.9	9-5/8"	245	244.5
10-3/4"	273	273.1	9-3/4"	248	247.7
10-7/8"	276	276.2	9-7/8"	251	250.8
11"	279	279.4	10"	254	254.0
11-1/8"	283	282.6	10-1/8"	257	257.2
11-1/4"	286	285.8	10-1/4"	260	260.4
11-3/8"	289	288.9	10-3/8"	264	263.5
11-1/2"	292	292.1	10-1/2"	267	266.7
11-5/8"	295	295.3	10-5/8"	270	269.9
11-3/4"	299	298.5	10-3/4"	273	273.1
11-7/8"	302	301.6	10-7/8"	276	276.2
12"	305	304.8	11"	279	279.4
12-1/8"	308	308.0	11-1/8"	283	282.6
12-1/4"	311	311.2	11-1/4"	286	285.8
12-3/8"	314	314.3	11-3/8"	289	288.9
12-1/2"	318	317.5	11-1/2"	292	292.1
12-5/8"	321	320.7	11-5/8"	295	295.3
12-3/4"	324	323.9	11-3/4"	299	289.5
12-7/8"	327	327.0	11-7/8"	302	301.6
13"	330	330.2	12"	305	304.8
13-1/8"	333	333.4	12-1/8"	308	308.0
13-1/4"	337	336.6	12-1/4"	311	311.2
13-3/8"	340	339.7	12-3/8"	314	314.3
13-1/2"	343	342.9	12-1/2"	318	317.5
13-5/8"	346	346.1	12-5/8"	321	320.7
13-3/4"	349	349.2	12-3/4"	324	323.9
13-7/8"	352	352.4	12-7/8"	327	327.0
14"	356	355.6	13"	330	330.2
14-1/8"	359	358.8	13-1/8"	333	333.4
14-1/4"	362	361.9	13-1/4"	337	336.6
14-3/8"	365	365.1	13-3/8"	340	339.7
14-1/2"	368	368.3	13-1/2"	343	342.9
14-5/8"	371	371.5	13-5/8"	346	346.1
14-3/4"	375	374.6	13-3/4"	349	349.2
14-7/8"	378	377.8	13-7/8"	352	352.4

ALL METRIC DIMENSIONS ARE IN MILLIMETERS UNLESS NOTED OTHERWISE

November, 2009

FIELD PAINTING:

Steel doors and frames are provided with a primer paint finish that is intended as a preparatory base for field application of a top (finish) coat of paint. The primer paint coat is not designed to be the final layer of protection from environmental elements. It is designed to provide protection to the steel surface during normal storage, shipping, and installation at the jobsite and to provide a uniform base for finish painting. Finish painting is necessary. It is recommended that the finish paint be applied to the door after installation is completed. It is the responsibility of the end user to maintain the integrity of the finish after installation.

Low gloss oil based paints are recommended as finish paint.

WE DO NOT RECOMMEND THE USE OF WATER BASED FINISH COATS SUCH AS LATEX, ACRYLIC, POLY-VINYL ACETATE EMULSION FINISHES. However, if any of these materials are used as a finish coat, you should first repaint the door or frame with a primer with rust inhibitors recommended by your paint manufacturer for bare steel. If the door is not re-primed, all scratches and nicks that expose bare steel will develop rust.

USGBC LEED requirements

Under United States Green Building Council LEED credit EQ 4.2, any paints and coatings are limited on the VOC content that can be applied at the jobsite. This may require the painter to use a latex paint for doors and frames. If this is required then it is the responsibility of the painting contractor to re-prime the doors and frames per CURRIES recommendation (see above).

RECOMMENDED PAINTING INSTRUCTIONS:

First repair any dents or scratches which occurred during installation. Sand the primer finish lightly with a very fine sand paper; be sure the surface is clean and dry. Paint with a low gloss oil base trim paint. If the primer has been scratched or damaged so that rusting has occurred, sand lightly with steel wool or fine sandpaper to remove all traces of rust (any rust not removed will eventually become active and bleed through any subsequent top coats.) After all rust has been removed and you are sure the surface is clean, dry, and free of any foreign material, apply a rust inhibitive primer over the entire repair area and then paint the door with a low gloss oil base trim paint.

DENT REPAIR:

Sand to bare metal (including area around dent) with #80 sand paper. Apply two component plastic body filler, mixed as directed on the container, to the depressed area. After filler has cured thoroughly, sand with #100 grit sand paper to a smooth flat surface. Finish sand with 240 or 300 grit sand paper as needed. Be sure surface is clean and dry, and free of any foreign material. Apply a rust inhibitive primer over entire repair area and let dry for 24 hours before finish painting.

SCRATCHES:

Feather scratch to the bare metal with #300 sand paper. Be sure surface is clean, dry, and free of any foreign material. Apply a rust inhibitive primer over entire repair area and let dry for 24 hours before finish painting.

SPECIAL PAINTING NOTE FOR 747, 847, AND 857 DOORS:

The production of steel doors and frames relies on a variety of manufacturing processes including spot welding, projection welding, arc welding ground smooth, grinding, filling, etc. These processes may result in a show-through after application of finished paint. These characteristics are inherent in production and are not to be considered as manufacturing defects.

The show-through characteristics increase as the paint gloss increases. ANSI A250.8 (SDI 100) recommends a maximum paint gloss rating of 20% reflectance, measured using a 60° gloss meter, which should be suitable for most applications. Translucent paints may emphasize show-through characteristics and their use is not recommended.

DELIVERY AND RECEIVING OF MATERIAL:

Upon delivery, all material shall be thoroughly inspected for damage. Should damaged material be found, the General Contractor has the option of refusing delivery or to accept the material as damaged. Any damaged items should be noted on the freight bill. Claims will not be honored by the freight carrier, unless the damaged items are noted on the freight bill at the time of delivery. The General Contractor must telephone or write the local office of the freight carrier and request an inspection of the damage. The contractor shall contact the hollow metal distributor immediately of any item signed for as damage. This procedure will help to expedite the repair or replacement of the damaged items and the processing of the damage claim with the freight carrier.

Should the General Contractor discover any damage or error in the hollow metal delivered to the job site, it is imperative that the hollow metal distributor be notified before initiating any corrective measure in the field, so that the hollow metal distributor and manufacturer can participate in solving the problem. Failure to do so could result in the cancellation of the warranty and/or fire label. If claim is to be made for any error or deficiency in the hollow metal work itself, it is imperative that the hollow metal distributor be notified before initiating any corrective work in the field.

THE CONTRACTOR RESPONSIBLE FOR INSTALLATION SHALL SEE THAT ANY SCRATCHES OR DISFIGUREMENT CAUSED IN SHIPPING OR HANDLING ARE PROMPTLY CLEANED AND TOUCHED UP WITH A RUST INHIBITIVE PRIMER.

ON SITE STORAGE:

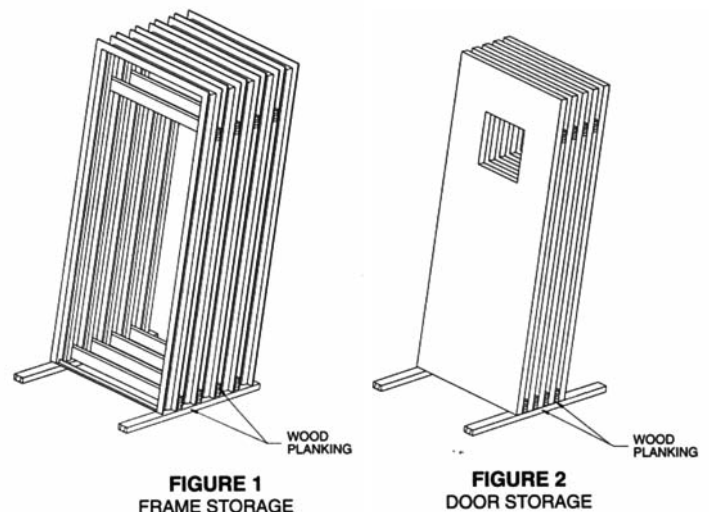
Proper storage of hollow metal work at the construction site will help to prevent damage to the primer coat of paint. Prime coated steel must be protected when exposed to the elements, including high humidity, salt, air, and/or damp wrappings.

Particular attention must, therefore, be given to steel products having a shop coat of prime paint. Because the protective shop coat must be porous to properly receive and hold top coats, water or moisture in contact with primer coated steel will seep through to the steel by capillary action. An electrolytic action then follows, resulting in corrosion and causing the paint film to lose adhesion. The presence of oxygen at the water-air interface behind the loosened paint film accelerates corrosive action and the prime coat further deteriorates. **Even when hot-dip galvanizing is used to provide a corrosion resistant base coat on steel, manufacturers of hollow metal doors have found that one week of product exposure to water, because of improper storage, can be equivalent to at least a year of outdoor exposure to the elements.**

NOTE: Paint manufacturers advise that the primer typically used by hollow metal manufacturers should receive a finish coat of paint within 30 days of delivery. It is the responsibility of the General Contractor to sand, touch up and clean prime painted surfaces prior to finish painting in accordance with the finish paint manufacturer's instructions.

The following procedures should always be observed in storing hollow metal doors and frames at the job site:

1. Store all materials in a dry area, under cover. All ferrous metal products should be stored where they will not be exposed to, or come in contact with water. This is particularly true of products such as doors, which have large flat surfaces on which water may collect if they are stacked horizontally.
2. Do not use non-vented plastic or canvas. These materials create a humidity chamber, which promotes blistering and corrosion.
3. Store doors and welded frames in an upright position with heads uppermost. Figures 1 and 2.
4. Place no more than 5 doors or welded frames in a group. Small groups not only minimize the likelihood of damage due to excess handling, but also facilitate selection from the group for installation. In the case of multi-opening frames, no more than three units should be stored in a group, to avoid serious damage to the bottommost frame.
5. Place all material on planking or blocking at least 4 in. (100 mm) off the ground, 2 in. (50 mm) off a paved area or the floor slab.
6. Provide a least 1/4 in. (6.4 mm) space (wood trip) between all units to permit air circulation.



CURRIES has assembled this Product Manual with the intent of answering as many of your questions as possible on these pages. Graphic depictions of actual products are presented. There are five sections in this manual to segregate and simplify the process of finding your answers. The five sections are described below.

CURRIES reserves the right to alter product designs to improve the quality of the product. Specific details contained herein are current as of the printing of this manual and may be changed at any time to enhance the product and/or its marketability.

CURRIES quality system has been ISO 9001 certified by BVQI, an independent registrar. As such, our processes from the design of products and the receipt of orders through the shipping of our doors and frames have been defined and are operated in compliance with the ISO 9001 standard. We believe ISO 9001 certification helps to ensure you receive the right product at the right place at the right time.

Products are warranted against defects in workmanship and materials for a period of one year. A complete detailed warranty may be obtained by contacting the factory.

GENERAL INFORMATION

This section contains a copy of the current product brochure briefly describing the majority of the CURRIES steel doors and frames. We have also included in this section various American National Standards Institute/Steel Door Institute Test Procedures and Acceptance Criteria for steel doors and frames. A copy of CURRIES Steel Doors and Frame Construction Specifications Institute specification sample is also included. A set of metric conversion tables complete this section.

LABEL DOORS AND FRAMES

This section includes door and frame information regarding the products CURRIES manufactures and has obtained fire resistant listings on. A copy of SDI Basic Fire Door Requirements is included for reference in this section. The two most widely recognized agencies, Underwriters Laboratories and Warnock Hersey-Intertek Testing Services, have granted authorities for products listed in this section. These listings include both the UL10B neutral pressure and UL10C positive pressure test methods except as noted otherwise. We have also detailed in this section a UL listed bullet resistant assembly. Note the Frame and Door technical data sections which follow will have each page noted (L) in a circle if it is part of a fire listed assembly or (L) with the X symbol if the product or preparation does not comply. In rare instances a listed product on these pages may or may not be labeled based on the total assembly usage. When in doubt please contact the factory.

FRAME TECHNICAL DATA

Frame details include the wide variety of knocked down (KD) profiles available as well as the custom capabilities CURRIES has maintained throughout its history. The KD M and C series profiles dominate the market requirements and CURRIES has a larger variety of these products available than any other manufacturer. Hardware preparations mortised or reinforced for surface application can be found in detail. Standard published locations for preparations are included.

DOOR TECHNICAL DATA

CURRIES' variety of standard and custom doors feature full perimeter channel construction enhancing the durability of the products as proven by extensive testing. Details of each door series construction are included along with the standard compliant hardware mortise and reinforced preparations available. Standard published locations for preparations are included.

EMBOSSSED PANEL DOORS

This "colonial style" door steel pattern is used with our 707 door series utilizing a polystyrene core. Gauge, steel type, and size options are detailed in the section for coordination of hardware applications. Some hardware applications are restricted due to the nature of the embossments and their locations on the face of the door.

CURRIES Division of AADG, Inc.

Notes

Architectural Technical Data

 **CURRIES**

ASSA ABLOY

CURRIES Technical Manual

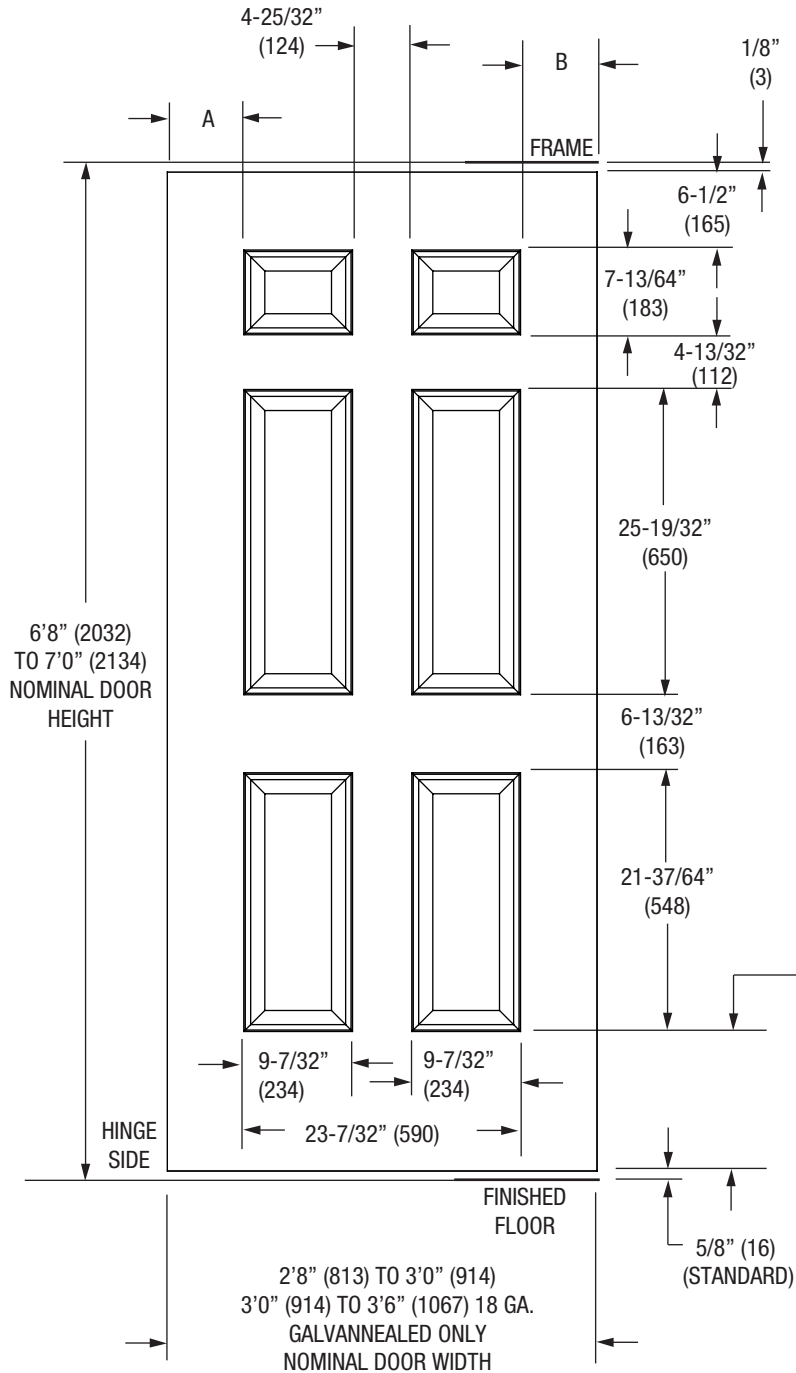
Panel Door Section

Revised January, 2015

DESCRIPTION	PAGE(S)
E6.....	1
E62TL - Type 1 & 2.....	2
E62FNVS - Type 1 & 2	3
E6HGS - Type 1 & 2.....	4
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16 GA. (1.2) and 18 GA. (1.2) GALVANNEALED
18 GA. (1.2) COLD ROLLED STEEL
(POLYSTYRENE CORE)



NOMINAL DOOR WIDTH	A DIM.	B DIM.
2'8" (813)	3-7/32" (92)	5-3/8" (137)
2'10" (864)	5-7/32" (153)	5-3/8" (137)
3'0" (914)	6-19/64" (184)	6-19/64" (184)
3'4" (1016)	8-19/64" (245)	8-19/64" (245)
3'6" (1067)	9-19/64" (275)	9-19/64" (275)

UP TO 3 HR. FIRE RATING
CYLINDRICAL LOCK STANDARDS.*
MORTISE LOCK STANDARDS.*
PANIC REINF. STANDARDS.*
*VERIFY HARDWARE ADAPTABILITY TO EMBOSSED PANEL DESIGN

BEVELS AVAILABLE
"A" BEVEL, "B" BEVEL, NON-HANDED

7-9/16" (192)
(6'8" (2032) NOMINAL DOOR HEIGHT)**
11-9/16" (294)
(7'0" (2134) NOMINAL DOOR HEIGHT)**

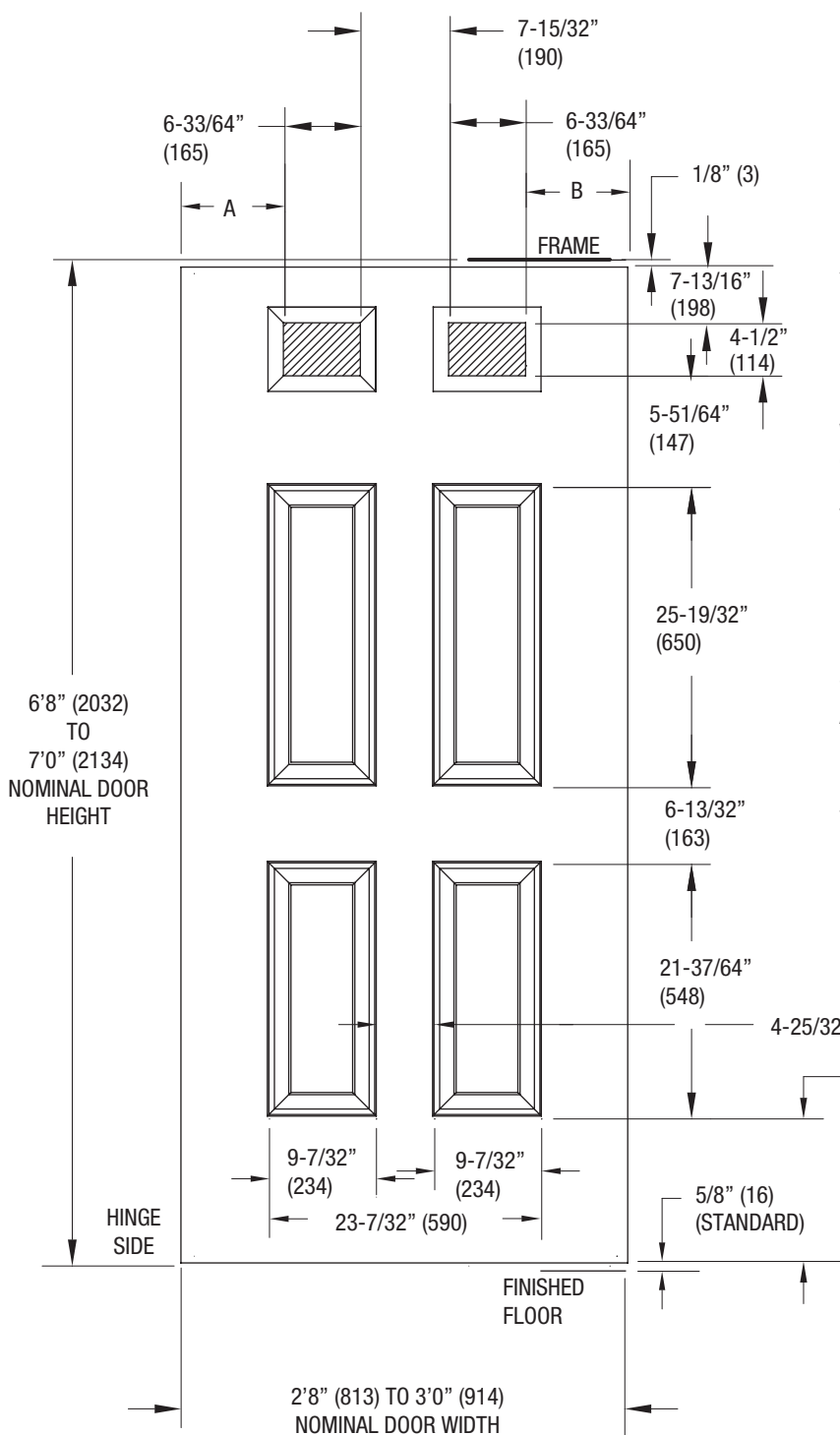
**10" (254) MINIMUM TO SATISFY ANSI A117.1 (ADA) REQUIREMENTS

November, 2009



Type 1 & 2 Window Moulding

18 GA. (1.2) GALVANNEALED
(POLYSTYRENE CORE)



NOMINAL DOOR WIDTH	A DIM.	B DIM.
2'8" (813)	4-5/8" (117)	6-11/16" (170)
2'10" (864)	6-5/8" (168)	6-11/16" (170)
3'0" (914)	7-21/32" (194)	7-21/32" (194)

UP TO 1-1/2 HR. FIRE RATING
VARIES WITH GLAZING USED
6" MIN. STILE REQUIRED

TYPE 1 OR 2 GLASS MOULDING.

CYLINDRICAL LOCK STANDARDS.*
MORTISE LOCK STANDARDS.*
PANIC REINF. STANDARDS.*

*VERIFY HARDWARE
ADAPTABILITY TO
EMBOSSED PANEL DESIGN

BEVELS AVAILABLE
"A" BEVEL, "B" BEVEL, NON-HANDED

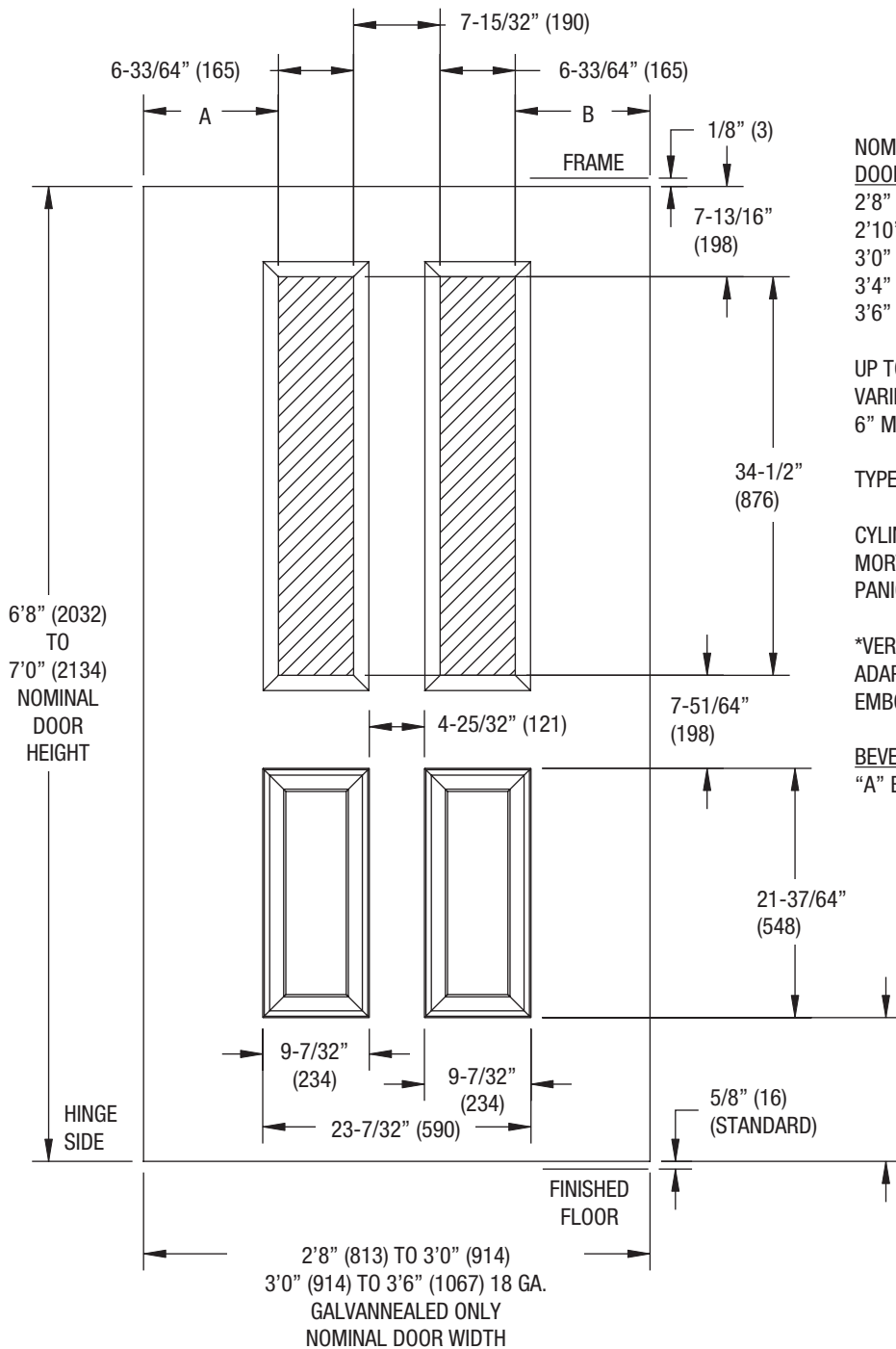
7-9/16" (192)
(6'8" (2032) NOMINAL DOOR HEIGHT)**
11-9/16" (294)
(7'0" (2134) NOMINAL DOOR HEIGHT)**

**10" (254) MINIMUM TO SATISFY ANSI
A117.1 (ADA) REQUIREMENTS



Type 1 & 2 Window Moulding

18 GA. (1.2), GALVANNEALED
18 GA. (1.2) COLD ROLLED STEEL
(POLYSTYRENE CORE)



NOMINAL DOOR WIDTH	A DIM.	B DIM
2'8" (813)	4-5/8" (117)	6-11/16" (170)
2'10" (864)	6-5/8" (168)	6-11/16" (170)
3'0" (914)	7-21/32" (194)	7-21/32" (194)
3'4" (1016)	9-21/32" (245)	9-21/32" (245)
3'6" (1067)	10-21/32" (271)	10-21/32" (271)

UP TO 1-1/2 HR. FIRE RATING
VARIES WITH GLAZING USED
6" MIN. STILE REQUIRED

TYPE 1 OR 2 GLASS MOULDING.

CYLINDRICAL LOCK STANDARDS.*
MORTISE LOCK STANDARDS.*
PANIC REINF. STANDARDS.*

*VERIFY HARDWARE
ADAPTABILITY TO
EMBOSSED PANEL DESIGN

BEVELS AVAILABLE
"A" BEVEL, "B" BEVEL, NON-HANDED

7-9/16" (192)
(6'8" (2032) NOMINAL DOOR HEIGHT)**
11-9/16" (294)
(7'0" (2134) NOMINAL DOOR HEIGHT)**

**10" (254) MINIMUM TO SATISFY ANSI
A117.1 (ADA) REQUIREMENTS

2'8" (813) TO 3'0" (914)
3'0" (914) TO 3'6" (1067) 18 GA.
GALVANNEALED ONLY
NOMINAL DOOR WIDTH

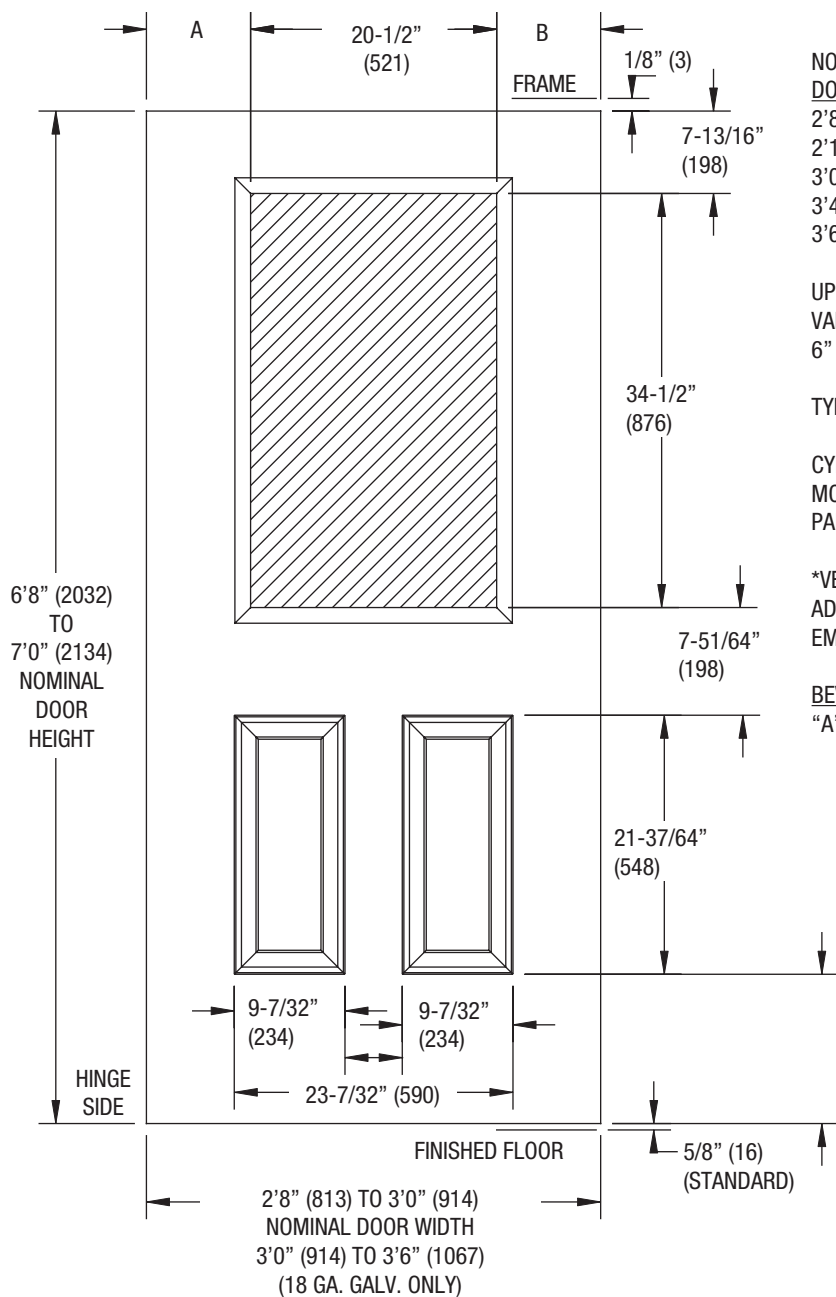
November, 2009



Type 1 & 2 Window Moulding

18 GA. (1.2), GALVANNEALED
18 GA. (1.2) COLD ROLLED STEEL
(POLYSTYRENE CORE)

2'8" (813) TO 3'0" (914)
>3'0" (914) TO 3'6" (1067) 18 GA.
GALVANNEALED ONLY
NOMINAL DOOR WIDTH



NOMINAL DOOR WIDTH	A DIM.	B DIM.
2'8" (813)	4-5/8" (117)	6-11/16" (170)
2'10" (864)	6-5/8" (168)	6-11/16" (170)
3'0" (914)	7-21/32" (194)	7-21/32" (194)
3'4" (1016)	9-21/32" (245)	9-21/32" (245)
3'6" (1067)	10-21/32" (271)	10-21/32" (271)

UP TO 1-1/2 HR. FIRE RATING
VARIES WITH GLAZING USED
6" MIN. STILE REQUIRED

TYPE 1 OR 2 GLASS MOULDING.

CYLINDRICAL LOCK STANDARDS.*
MORTISE LOCK STANDARDS.*
PANIC REINF. STANDARDS.*

*VERIFY HARDWARE
ADAPTABILITY TO
EMBOSSED PANEL DESIGN

BEVELS AVAILABLE
"A" BEVEL, "B" BEVEL, NON-HANDED

7-9/16" (192)
(6'8" (2032) NOMINAL DOOR HEIGHT)**
11-9/16" (294)
(7'0" (2134) NOMINAL DOOR HEIGHT)**

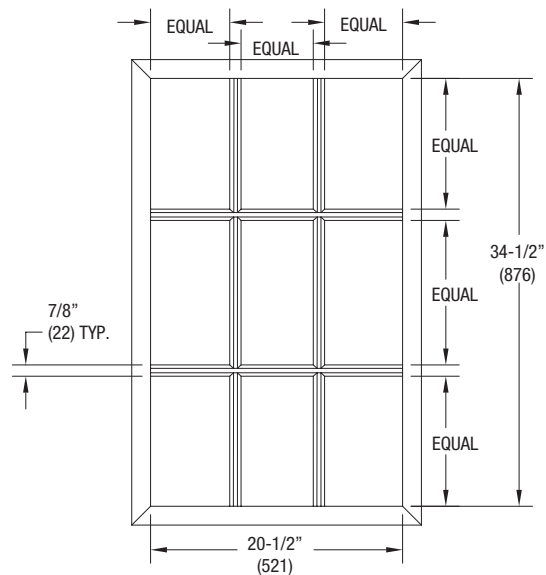
**10" (254) MINIMUM TO SATISFY ANSI
A117.1 (ADA) REQUIREMENTS

Type 1 & 2 Window Moulding

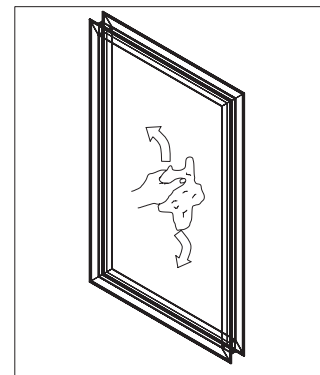
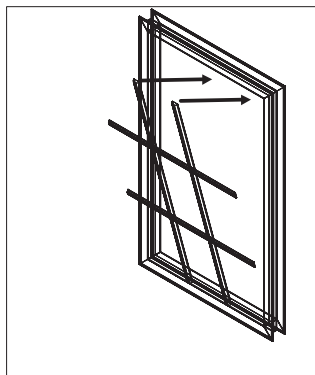
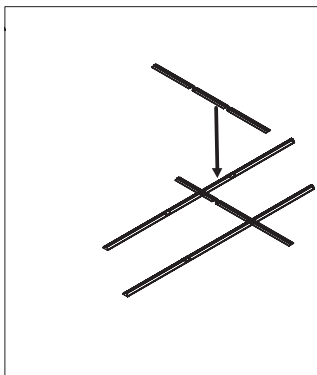


GENERAL NOTES:

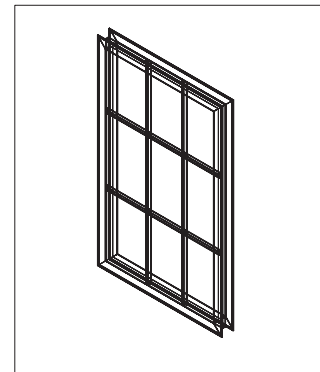
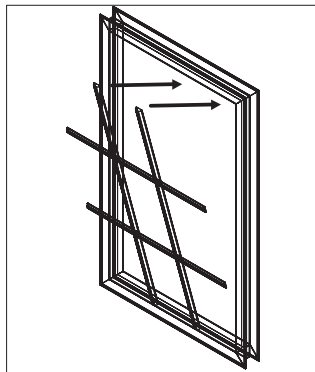
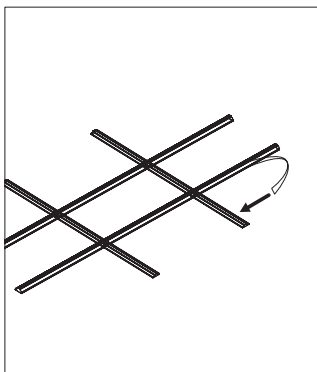
- YOU MAY CLEAN THE GLASS WITH A COMMERCIAL GLASS CLEANER, HOWEVER GLASS MUST BE PRIMED WITH RUBBING ALCOHOL PRIOR TO APPLICATION.
- IT IS RECOMMENDED THAT THE INSTALLATION BE COMPLETED IN A CONTROLLED ENVIRONMENT (I.E., A WORKSHOP).
- ONCE THE TAPE CONTACTS THE GLASS, THE GRILLE CANNOT BE REPOSITIONED OR REMOVED.
- DIMENSIONS AND LOCATIONS OF EMBOSSEMENTS AND LITE ARE DETAILED ON THE E6HGS TECHNICAL DATA PAGE. MUNTIN KITS ARE PROVIDED AS A SET (FRONT AND BACK) LABELED (WHITE ALUMINUM, MS007013) OR NON-LABELED (WHITE PVC, MS007039)



INSTALLATION PROCEDURE



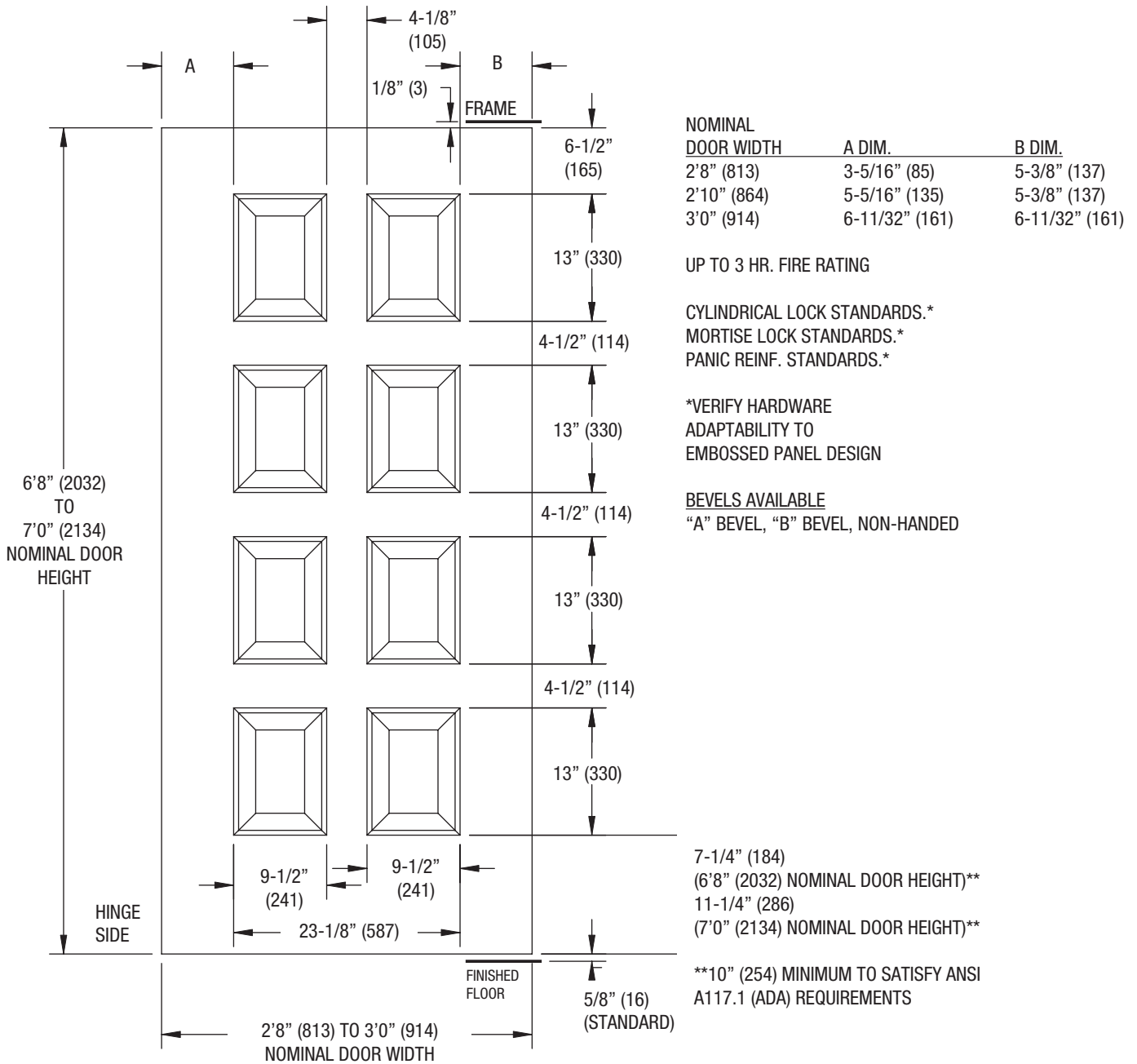
- 1) LEAVING THE LINER ON THE TAPE, ASSEMBLE THE GRILLE. CHECK FIT OF THE GRILLE TO THE GLASS.
- 2) MAKE CERTAIN THAT THE GRILLE LAYS FLAT ON THE GLASS WITH A SLIGHT GAP AT THE ENDS.
- 3) PRIME THE GLASS BY SPRAYING WITH RUBBING ALCOHOL. WIPE CLEAN WITH A LINT-FREE CLOTH.
- 4) WAIT ONE TO THREE MINUTES TO ALLOW ANY RESIDUAL MOISTURE TO EVAPORATE.



- 5) CAREFULLY REMOVE ALL PLASTIC LINERS ON THE TAPE SIDE OF THE GRILLE.
- 6) POSITION THE GRILLE OVER THE GLASS WITHOUT TOUCHING THE GLASS SURFACE. TWO PEOPLE CAN BETTER ACCOMPLISH THIS POSITIONING, ESPECIALLY WITH LARGER SIZES. REMEMBER, ONCE THE GRILLE MEETS THE GLASS IT CANNOT BE REPOSITIONED.
- 7) VERY CAREFULLY, LOWER THE GRILLE TO THE GLASS SURFACE.
- 8) USING A ROLLER, APPLY MODERATE PRESSURE (NO MORE THAN 15 PSI) AND PRESS ALL GRILLE AREAS TO THE GLASS TO IMPROVE ADHESION.
- 9) REPEAT THE PROCEDURE ON THE OTHER SIDE OF THE GLASS.

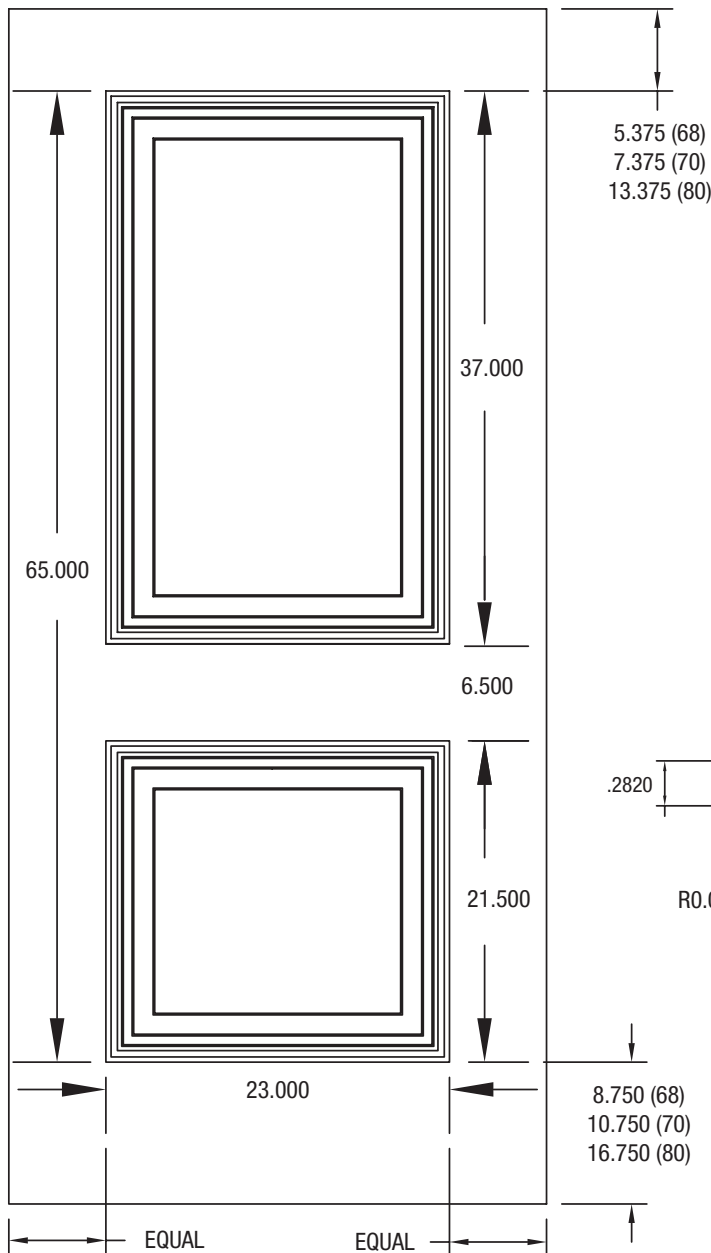


18 GA. (1.2) GALVANNEALED
(POLYSTYRENE CORE)





**18 GA. (1.1) A40 GALVANNEALED
STANDARD POLYSTYRENE CORE
OPTIONAL POLYURETHANE CORE +**

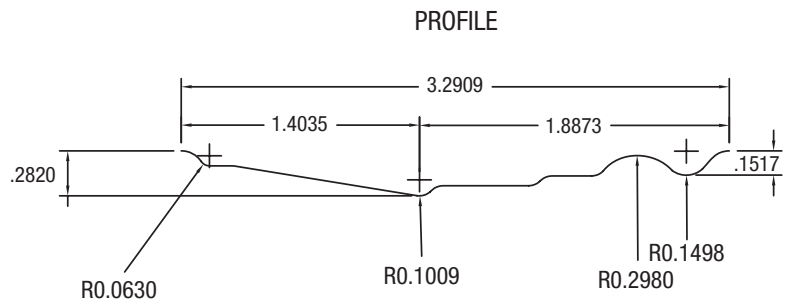


- UP TO 3 HOUR FIRE RATING
(POLYURETHANE CANNOT BE FIRE RATED OVER 7')
- CYLINDRICAL LOCKS *
- MORTISE LOCKS * ON 3-0 WIDTH ONLY
- AVAILABLE IN 2-8 AND 3-0 WIDTHS
- AVAILABLE IN 6-8 **, 7-0 AND 8-0 LENGTHS

BEVELS AVAILABLE
"A" BEVEL, "B" BEVEL, NON-HANDEED

* VERIFY HARDWARE ADAPTABILITY TO EMBOSSED
PANEL DESIGN

** THE BOTTOM RAIL DIMENSION WILL INCREASE BY
1" AND THE TOP RAIL WILL DECREASE BY THE
SAME AMOUNT WHEN ADA COMPLIANT DOORS
ARE REQUESTED (6-8 LENGTH ONLY).



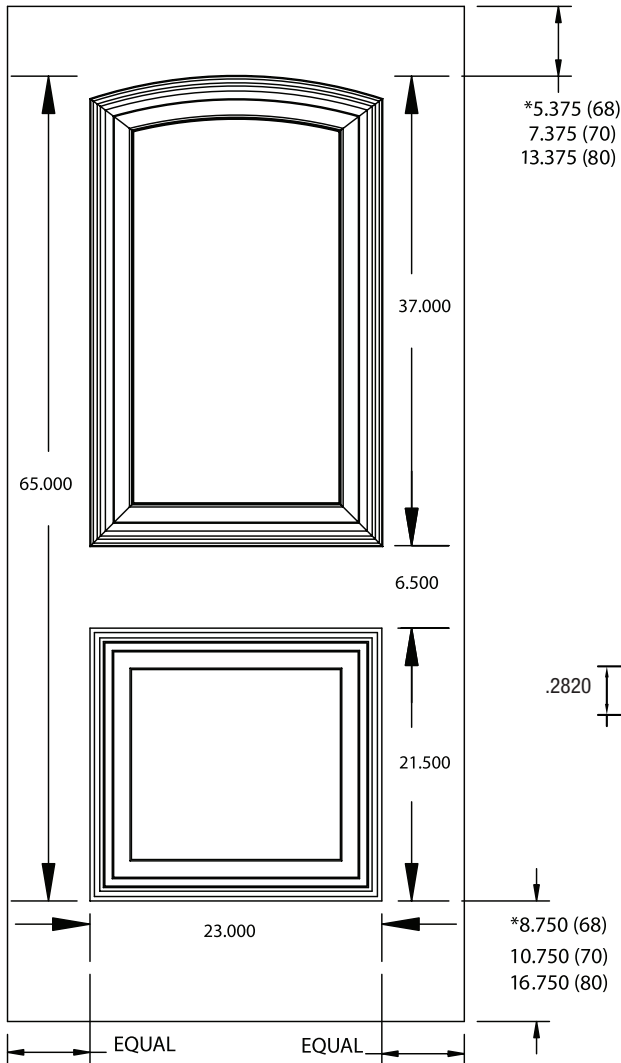
**NOTE: NOT AVAILABLE WITH A SEAMLESS EDGE
+ MAXIMUM 3070 CAN BE FIRE RATED**

December, 2011



**18 GA. (1.1) A40 GALVANNEALED
STANDARD POLYSTYRENE CORE
OPTIONAL POLYURETHANE CORE +**

EMBOSSED ARCHED 2-PANEL



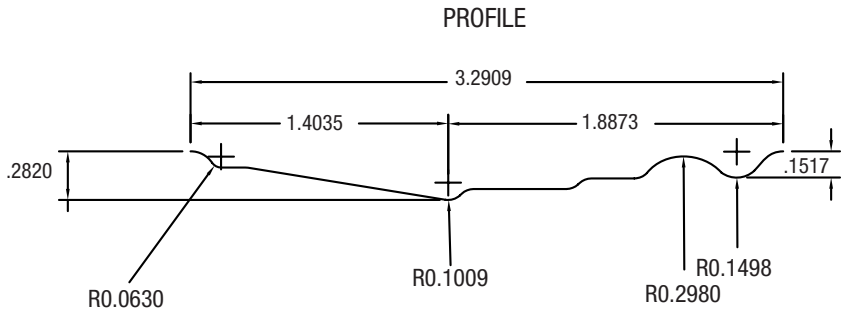
- UP TO 3 HOUR FIRE RATING
(POLYURETHANE CANNOT BE FIRE RATED OVER 7')
- CYLINDRICAL LOCKS *
- MORTISE LOCKS * ON 3-0 WIDTH ONLY
- AVAILABLE IN 2-8 AND 3-0 WIDTHS
- AVAILABLE IN 6-8 **, 7-0 AND 8-0 LENGTHS

BEVELS AVAILABLE

"A" BEVEL, "B" BEVEL, NON-HANDEED

* VERIFY HARDWARE ADAPTABILITY TO EMBOSSED PANEL DESIGN

** THE BOTTOM RAIL DIMENSION WILL INCREASE BY 1" AND THE TOP RAIL WILL DECREASE BY THE SAME AMOUNT WHEN ADA COMPLIANT DOORS ARE REQUESTED (6-8 LENGTH ONLY).

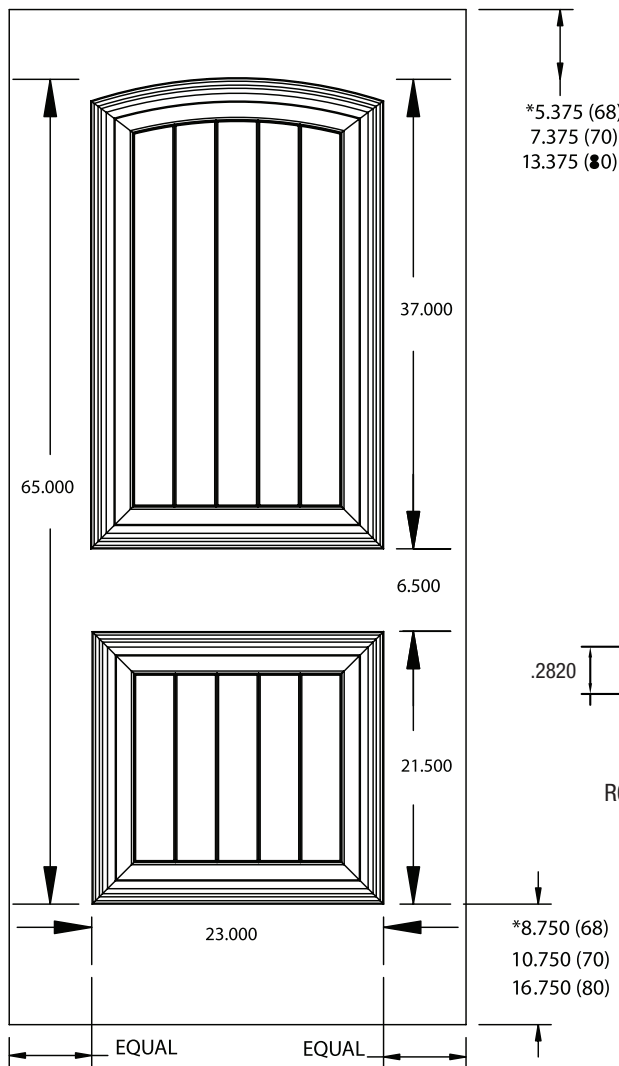


NOTE: NOT AVAILABLE WITH A SEAMLESS EDGE
+ MAXIMUM 3070 CAN BE FIRE RATED



**18 GA. (1.1) A40 GALVANNEALED
 STANDARD POLYSTYRENE CORE
 OPTIONAL POLYURETHANE CORE +**

EMBOSSED PLANKED ARCHED 2-PANEL



- UP TO 3 HOUR FIRE RATING
 (POLYURETHANE CANNOT BE FIRE RATED OVER 7")
- CYLINDRICAL LOCKS *
- MORTISE LOCKS * ON 3-0 WIDTH ONLY
- AVAILABLE IN 2-8 AND 3-0 WIDTHS
- AVAILABLE IN 6-8 **, 7-0 AND 8-0 LENGTHS

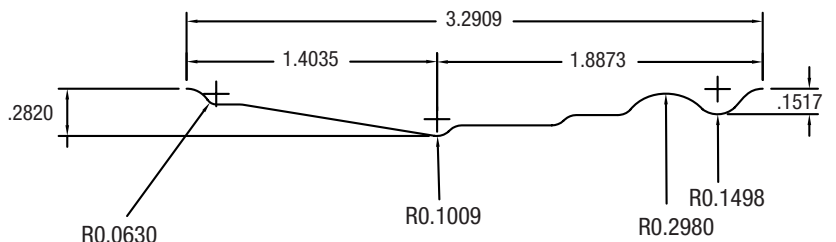
BEVELS AVAILABLE

"A" BEVEL, "B" BEVEL, NON-HANDEED

* VERIFY HARDWARE ADAPTABILITY TO EMBOSSED PANEL DESIGN

** THE BOTTOM RAIL DIMENSION WILL INCREASE BY 1" AND THE TOP RAIL WILL DECREASE BY THE SAME AMOUNT WHEN ADA COMPLIANT DOORS ARE REQUESTED (6-8 LENGTH ONLY).

PROFILE



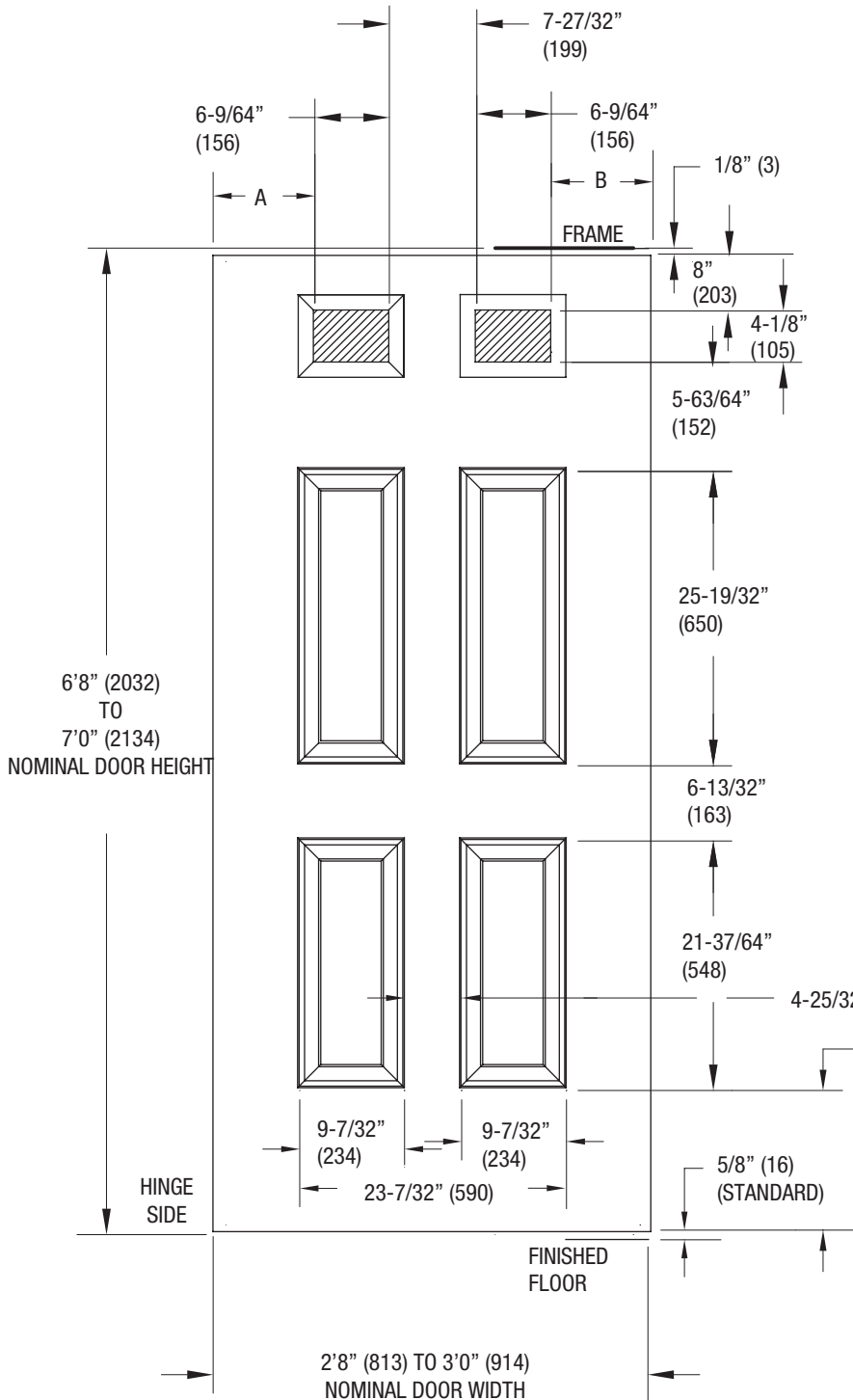
- *8.750 (68)
- 10.750 (70)
- 16.750 (80)

NOTE: NOT AVAILABLE WITH A SEAMLESS EDGE
 + MAXIMUM 3070 CAN BE FIRE RATED

June, 2009



Type 9 & 10 Window Moulding



NOMINAL DOOR WIDTH	A DIM.	B DIM.
2'8" (813)	4-13/16" (122)	6-7/8" (175)
2'10" (864)	6-13/16" (173)	6-7/8" (175)
3'0" (914)	7-27/32" (199)	7-27/32" (199)

UP TO 1-1/2 HR. FIRE RATING
VARIES WITH GLAZING USED
6" MIN. STILE REQUIRED

TYPE 9 OR 10 GLASS MOULDING.

CYLINDRICAL LOCK STANDARDS.*
MORTISE LOCK STANDARDS.*
PANIC REINF. STANDARDS.*

*VERIFY HARDWARE
ADAPTABILITY TO
EMBOSSED PANEL DESIGN

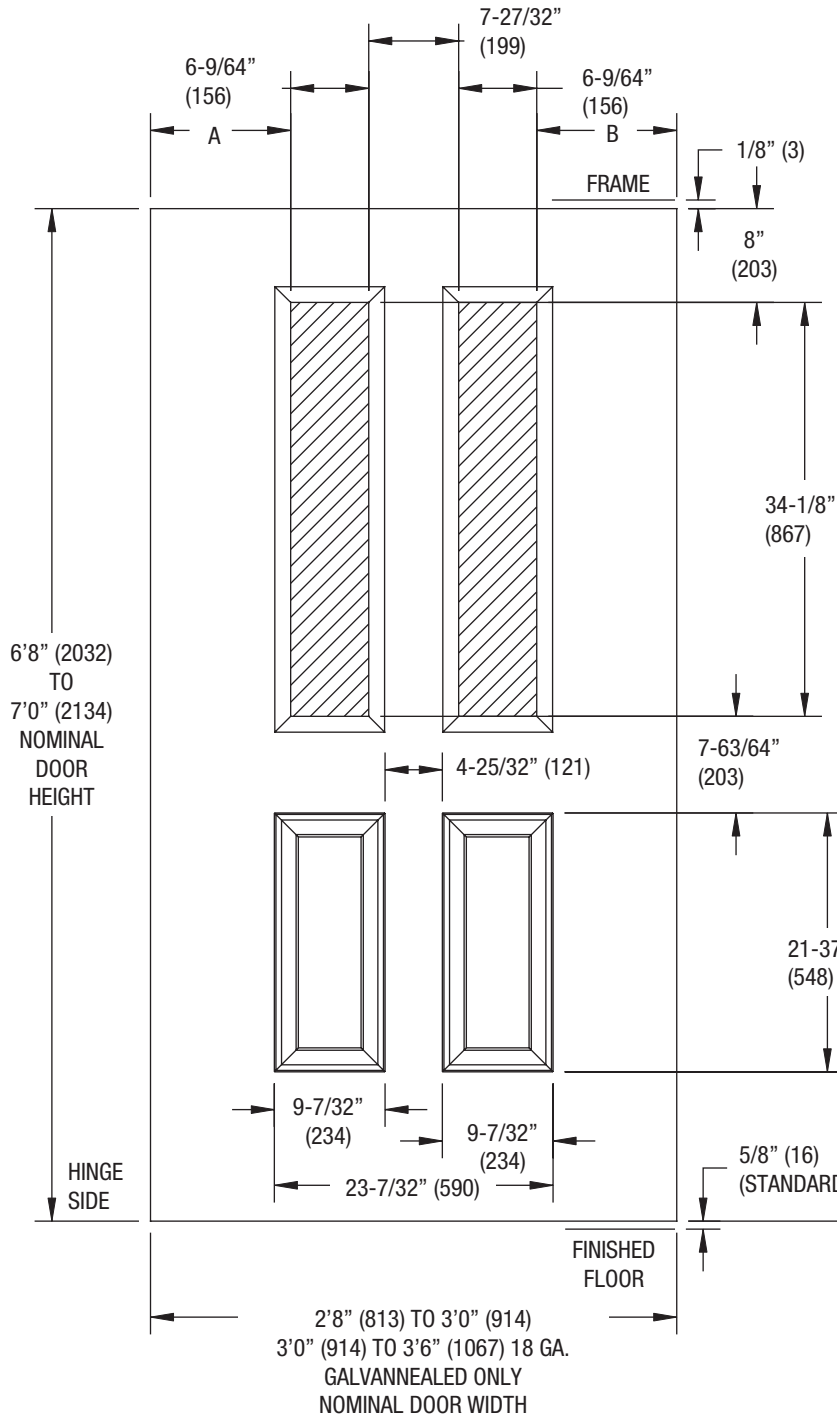
BEVELS AVAILABLE
"A" BEVEL, "B" BEVEL, NON-HANDED

7-9/16" (192)
(6'8" (2032) NOMINAL DOOR HEIGHT)**
11-9/16" (294)
(7'0" (2134) NOMINAL DOOR HEIGHT)**

**10" (254) MINIMUM TO SATISFY ANSI
A117.1 (ADA) REQUIREMENTS

**Type 9 & 10
Window Moulding**

18 GA. (1.2), GALVANNEALED
18 GA. (1.2) COLD ROLLED STEEL
(POLYSTYRENE CORE)



NOMINAL DOOR WIDTH	A DIM.	B DIM.
2'8" (813)	4-13/16" (122)	6-7/8" (175)
2'10" (864)	6-13/16" (173)	6-7/8" (175)
3'0" (914)	7-27/32" (199)	7-27/32" (199)
3'4" (1016)	9-27/32" (250)	9-27/32" (250)
3'6" (1067)	10-27/32" (275)	10-27/32" (275)

UP TO 1-1/2 HR. FIRE RATING
VARIES WITH GLAZING USED
6" MIN. STILE REQUIRED

TYPE 9 OR 10 GLASS MOULDING.

CYLINDRICAL LOCK STANDARDS.*
MORTISE LOCK STANDARDS.*
PANIC REINF. STANDARDS.*

*VERIFY HARDWARE
ADAPTABILITY TO
EMBOSSED PANEL DESIGN

BEVELS AVAILABLE
"A" BEVEL, "B" BEVEL, NON-HANDED

7-9/16" (192)
(6'8" (2032) NOMINAL DOOR HEIGHT)**
11-9/16" (294)
(7'0" (2134) NOMINAL DOOR HEIGHT)**

**10" (254) MINIMUM TO SATISFY ANSI
A117.1 (ADA) REQUIREMENTS

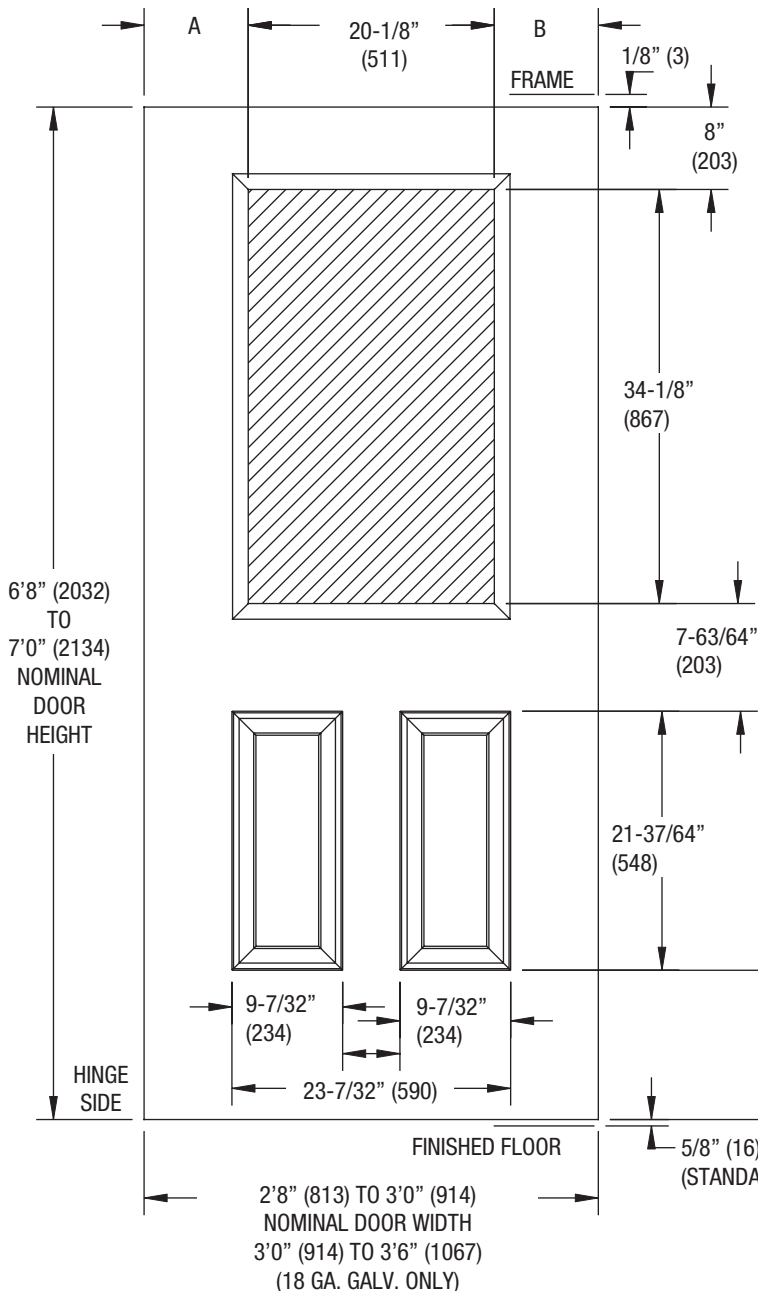
June, 2009



Type 9 & 10 Window Moulding

18 GA. (1.2), GALVANNEALED
18 GA. (1.2) COLD ROLLED STEEL
(POLYSTYRENE CORE)

2'8" (813) TO 3'0" (914)
>3'0" (914) TO 3'6" (1067) 18 GA.
GALVANNEALED ONLY
NOMINAL DOOR WIDTH



NOMINAL DOOR WIDTH	A DIM.	B DIM.
2'8" (813)	4-13/16" (122)	6-7/8" (175)
2'10" (864)	6-13/16" (173)	6-7/8" (175)
3'0" (914)	7-27/32" (199)	7-27/32" (199)
3'4" (1016)	9-27/32" (250)	9-27/32" (250)
3'6" (1067)	10-27/32" (275)	10-27/32" (275)

UP TO 1-1/2 HR. FIRE RATING
VARIES WITH GLAZING USED
6" MIN. STILE REQUIRED

TYPE 9 OR 10 GLASS MOULDING.

CYLINDRICAL LOCK STANDARDS.*
MORTISE LOCK STANDARDS.*
PANIC REINF. STANDARDS.*

*VERIFY HARDWARE
ADAPTABILITY TO
EMBOSSED PANEL DESIGN

BEVELS AVAILABLE
"A" BEVEL, "B" BEVEL, NON-HANDED

7-9/16" (192)
(6'8" (2032) NOMINAL DOOR HEIGHT)**
11-9/16" (294)
(7'0" (2134) NOMINAL DOOR HEIGHT)**

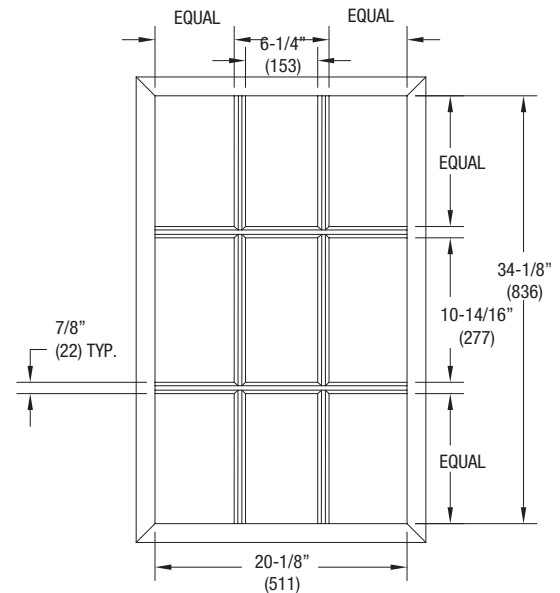
**10" (254) MINIMUM TO SATISFY ANSI
A117.1 (ADA) REQUIREMENTS

**Type 9 & 10
 Window Moulding**

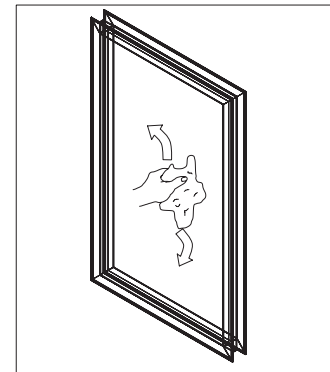
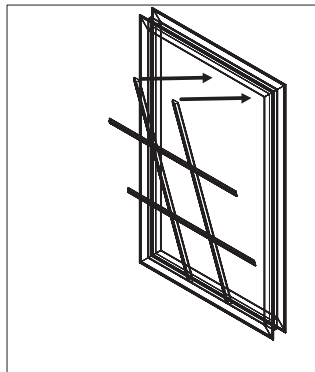
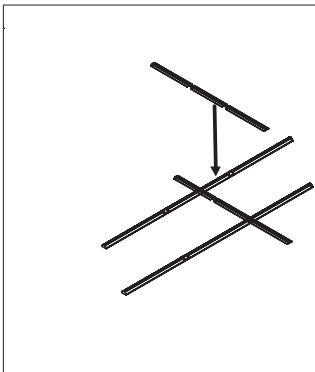


GENERAL NOTES:

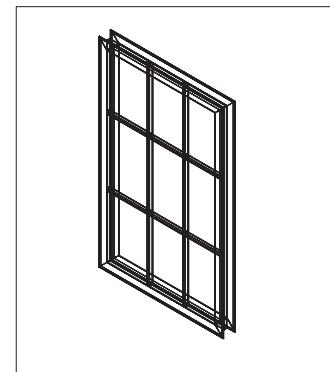
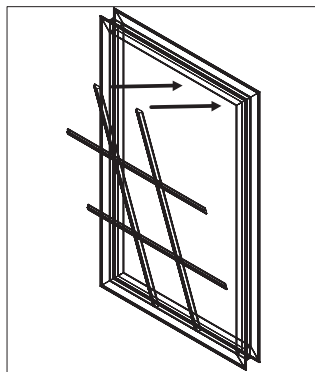
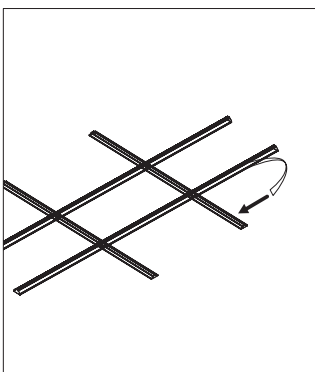
- YOU MAY CLEAN THE GLASS WITH A COMMERCIAL GLASS CLEANER, HOWEVER GLASS MUST BE PRIMED WITH RUBBING ALCOHOL PRIOR TO APPLICATION.
- IT IS RECOMMENDED THAT THE INSTALLATION BE COMPLETED IN A CONTROLLED ENVIRONMENT (I.E., A WORKSHOP).
- ONCE THE TAPE CONTACTS THE GLASS, THE GRILLE CANNOT BE REPOSITIONED OR REMOVED.
- DIMENSIONS AND LOCATIONS OF EMBOSSEMENTS AND LITE ARE DETAILED ON THE E6HGS TECHNICAL DATA PAGE. MUNTIN KITS ARE PROVIDED AS A SET (FRONT AND BACK) LABELED (WHITE ALUMINUM, MS102483) OR NON-LABELED (WHITE PVC, MS102566)



INSTALLATION PROCEDURE



- 1) LEAVING THE LINER ON THE TAPE, ASSEMBLE THE GRILLE. CHECK FIT OF THE GRILLE TO THE GLASS.
- 2) MAKE CERTAIN THAT THE GRILLE LAYS FLAT ON THE GLASS WITH A SLIGHT GAP AT THE ENDS.
- 3) PRIME THE GLASS BY SPRAYING WITH RUBBING ALCOHOL. WIPE CLEAN WITH A LINT-FREE CLOTH.
- 4) WAIT ONE TO THREE MINUTES TO ALLOW ANY RESIDUAL MOISTURE TO EVAPORATE.

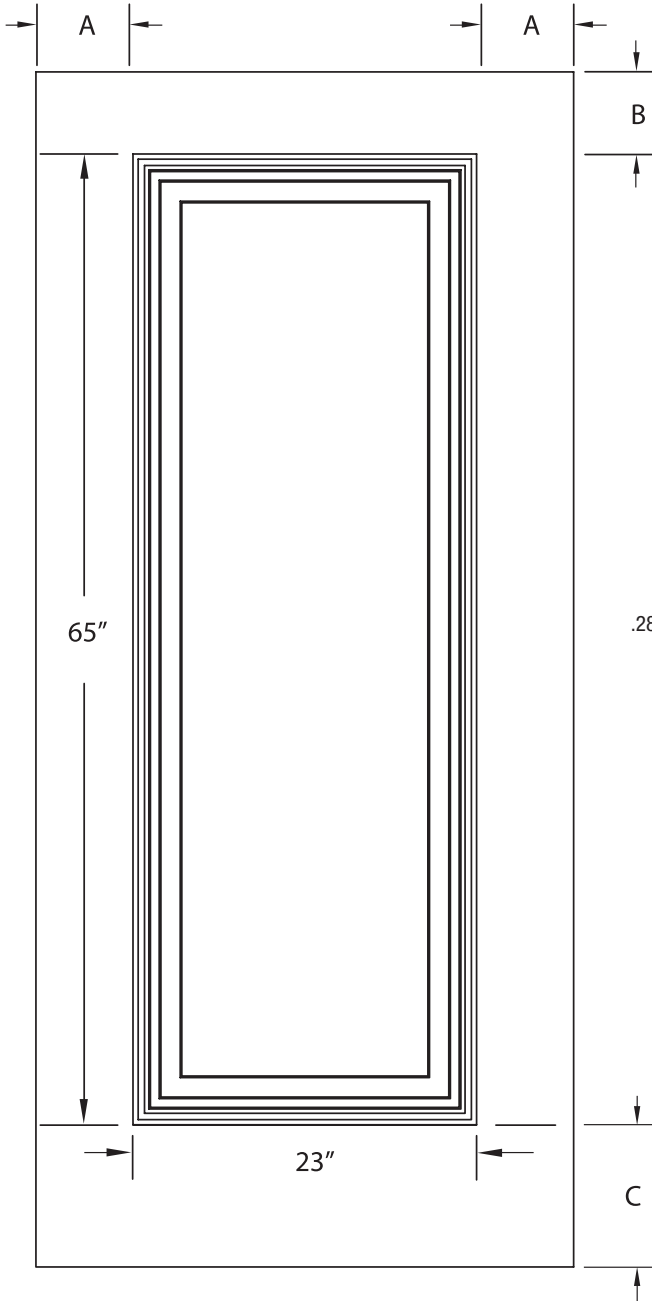


- 5) CAREFULLY REMOVE ALL PLASTIC LINERS ON THE TAPE SIDE OF THE GRILLE.
- 6) POSITION THE GRILLE OVER THE GLASS WITHOUT TOUCHING THE GLASS SURFACE. TWO PEOPLE CAN BETTER ACCOMPLISH THIS POSITIONING, ESPECIALLY WITH LARGER SIZES. REMEMBER, ONCE THE GRILLE MEETS THE GLASS IT CANNOT BE REPOSITIONED.
- 7) VERY CAREFULLY, LOWER THE GRILLE TO THE GLASS SURFACE.
- 8) USING A ROLLER, APPLY MODERATE PRESSURE (NO MORE THAN 15 PSI) AND PRESS ALL GRILLE AREAS TO THE GLASS TO IMPROVE ADHESION.
- 9) REPEAT THE PROCEDURE ON THE OTHER SIDE OF THE GLASS.

December, 2011



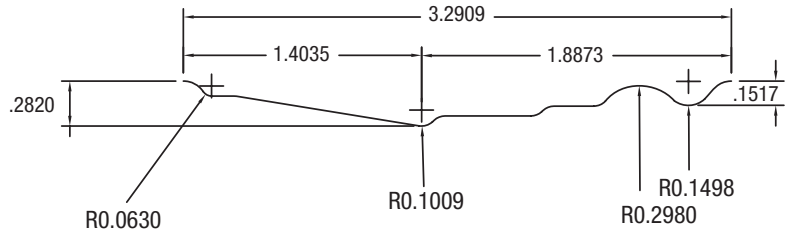
**18 GA. (1.1) A40 GALVANNEALED
STANDARD POLYSTYRENE CORE
OPTIONAL POLYURETHANE CORE +**



NOMINAL DOOR WIDTH	A DIM.
2'8"	4-25/64"
3'0"	6-25/64"

NOMINAL DOOR WIDTH	B DIM.	C DIM.
6'8"	5-3/8"	8-3/4"
6'8" **	4-3/8"	9-3/4"
7'0"	7-3/8"	10-3/4"
8'0"	13-3/8"	16-3/4"

PROFILE



- UP TO 3 HOUR FIRE RATING
- CYLINDRICAL LOCKS *
- MORTISE LOCKS * ON 3-0 WIDTH ONLY
- AVAILABLE IN 2-8 AND 3-0 WIDTHS
- AVAILABLE IN 6-8 **, 7-0 AND 8-0 LENGTHS

BEVELS AVAILABLE

"A" BEVEL, "B" BEVEL, NON-HANDED

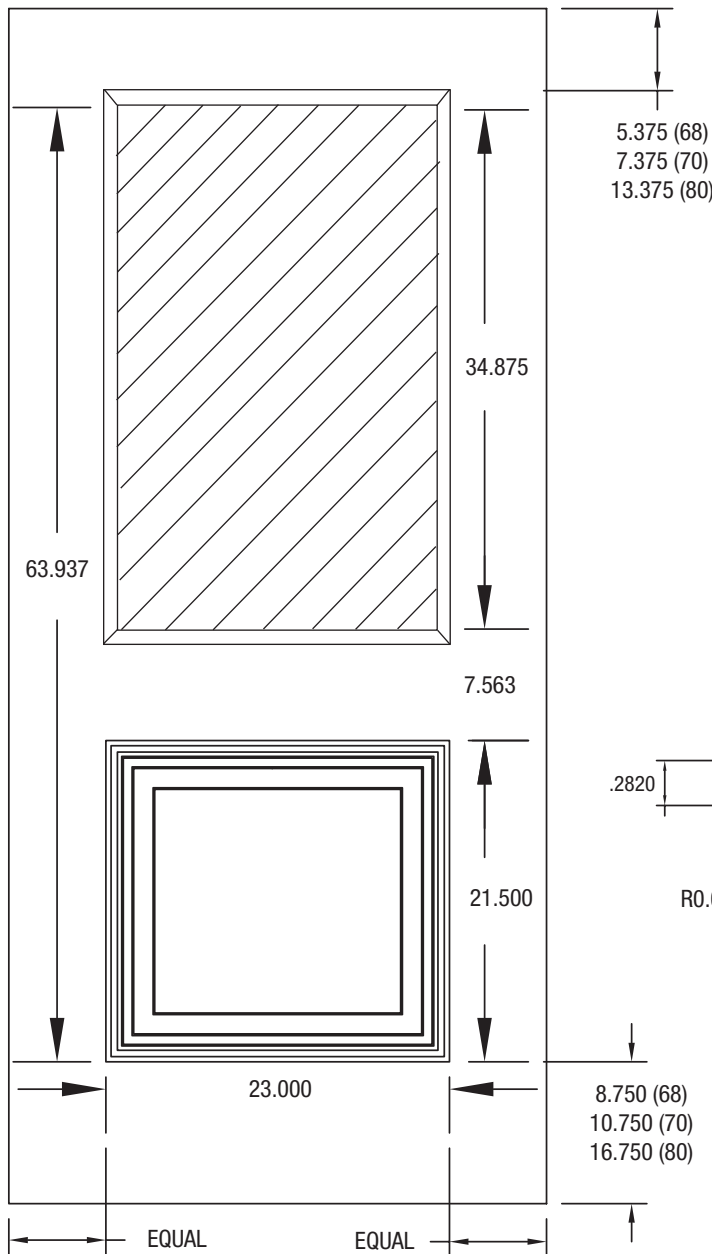
* VERIFY HARDWARE ADAPTABILITY TO EMBOSSED PANEL DESIGN

** ADA COMPLIANT DOORS (AVAILABLE IN 6-8 LENGTH ONLY).

NOTE: NOT AVAILABLE WITH A SEAMLESS EDGE
+ MAXIMUM 3070 CAN BE FIRE RATED



**18 GA. (1.1) A40 GALVANNEALED
STANDARD POLYSTYRENE CORE
OPTIONAL POLYURETHANE CORE +**



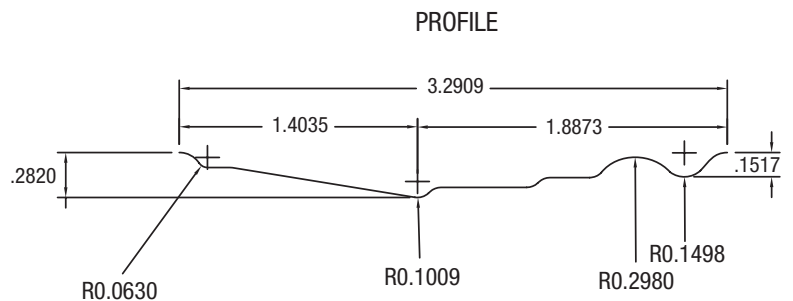
- UP TO 90 MINUTE FIRE RATING
- CYLINDRICAL LOCKS *
- MORTISE LOCKS * ON 3-0 WIDTH ONLY
- AVAILABLE IN 2-8 AND 3-0 WIDTHS
- AVAILABLE IN 6-8 **, 7-0 AND 8-0 LENGTHS

BEVELS AVAILABLE

“A” BEVEL, “B” BEVEL, NON-HANDEED

* VERIFY HARDWARE ADAPTABILITY TO EMBOSSED PANEL DESIGN

** THE BOTTOM RAIL DIMENSION WILL INCREASE BY 1" AND THE TOP RAIL WILL DECREASE BY THE SAME AMOUNT WHEN ADA COMPLIANT DOORS ARE REQUESTED (6-8 LENGTH ONLY).



NOTE: NOT AVAILABLE WITH A SEAMLESS EDGE
+ MAXIMUM 3070 CAN BE FIRE RATED

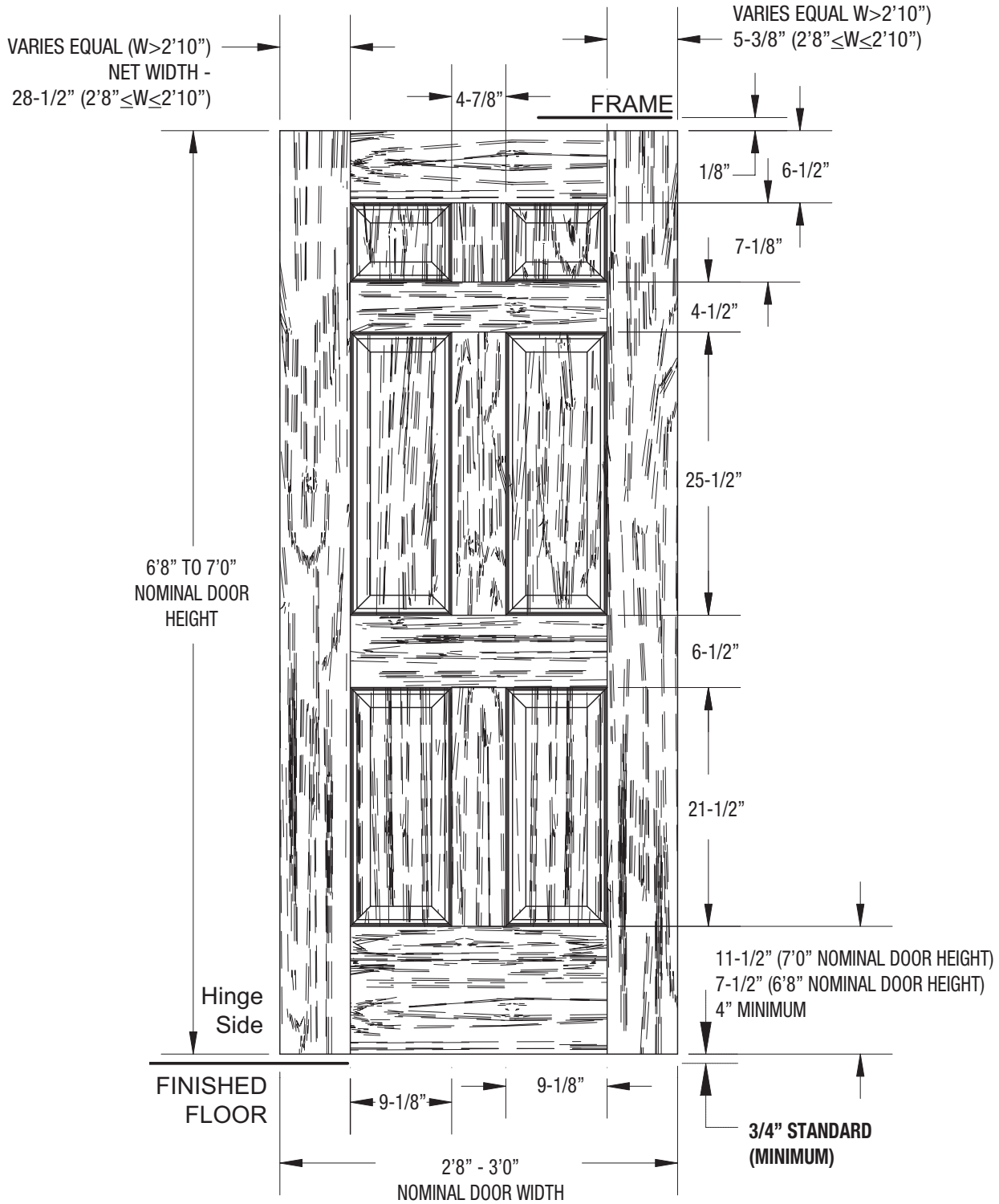
E6 CURRIStain Six Panel Door

Panel Door Technical Data

December, 2010



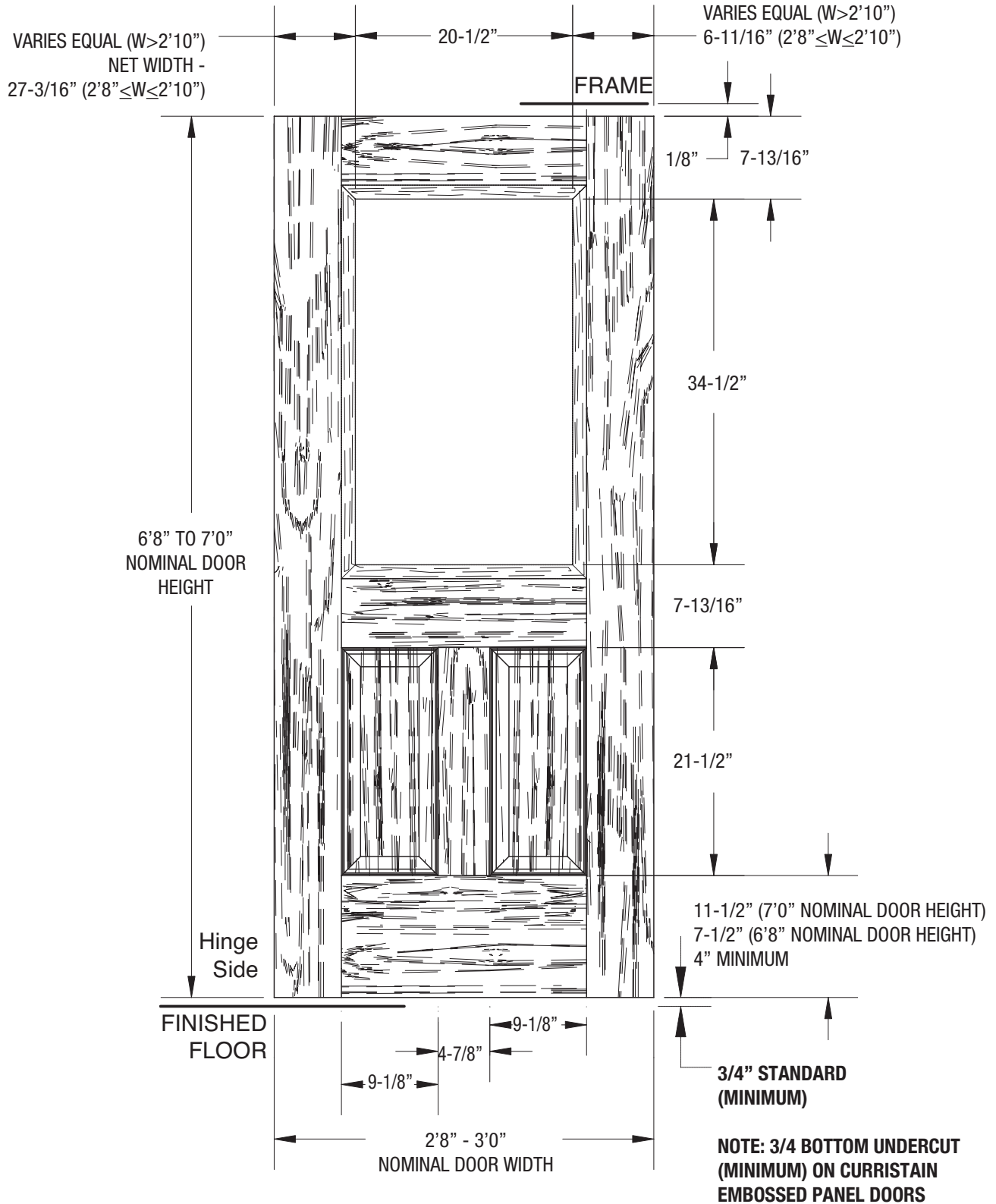
18 GA. GALVANNEALED



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



18 GA. GALVANNEALED



20 STC 40-47 Sound Door Construction

Panel Door Technical Data



April, 2012



STC 40-47 OPERABLE
TESTED TO: ASTM E90-09, E413-04, E1332-90, AND E2235
BUILT IN COMPLIANCE WITH SDI 128 AND HMMA 865-03

FLUSH ONLY
 HANDED DOORS ONLY
 3/8" UNDERCUT ONLY
 NON-RATED ONLY
 1-3/4" THICK

FRAMES:
 MUST BE SINGLE OR DOUBLE RABBET,
 CONTINUOUSLY WELDED. 16 GAUGE OR
 14 GAUGE. MUTES ARE NOT ALLOWED.
 FRAMES MUST BE GROUTED TO ACHIEVE
 STC RATING.

HARDWARE ALLOWED

HINGES:
 4-1/2" STANDARD OR HEAVY
 5" STANDARD OR HEAVY
 OFFSET PIVOTS
 CAMLIFT

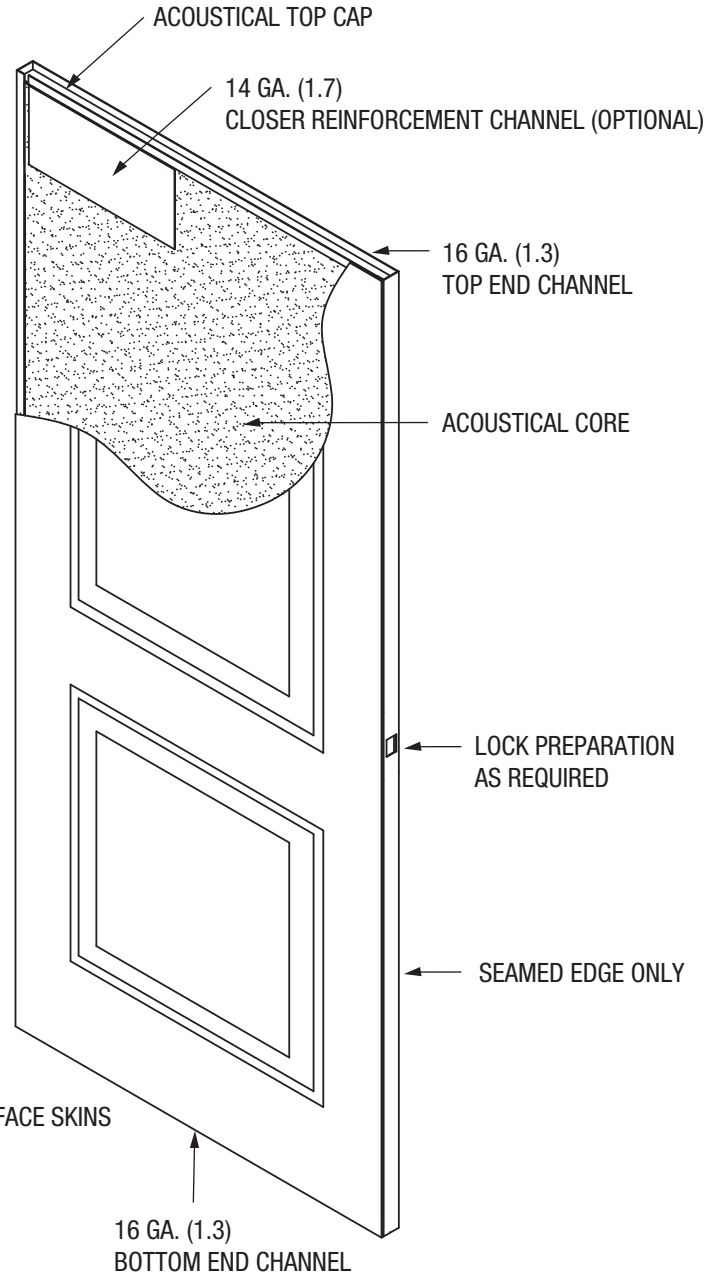
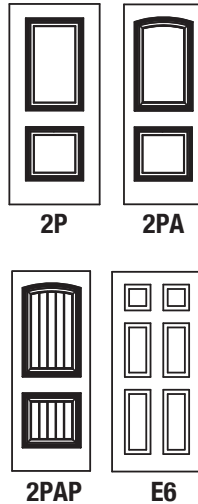
LOCKS:
 CYLINDRICAL
 MORTISE
 RIM EXIT

* SEE INSTALLATION INSTRUCTIONS FOR MORE
 DETAILS

6-PANEL
 MINIMUM SIZE - 2'6" X 6'8" SINGLE
 MAXIMUM SIZE - 4'0" X 7'0" SINGLE

2-PANEL
 MINIMUM SIZE - 2'8" X 6'8" SINGLE
 MAXIMUM SIZE - 3'0" X 8'0" SINGLE

**EMBOSSED PANEL
 DESIGNS**



	STC Rating	Lock Type	Door Design	Undercut	Max. Fire Rating	Seal Set	Seal Set Description
Single Doors	47	Cylindrical	6 Panel	3/8"	45 Minute	A	Pemko Seals: S88, S44, S773, S771, ACP112, 2005 threshold
	46	Cyl/Mort	6 Panel	3/8"	45 Minute	A	Pemko Seals: S88, S44, S773, S771, ACP112, 2005 threshold
	46	Cylindrical	2 Panel	3/8"	45 Minute	A	Pemko Seals: S88, S44, S773, S771, ACP112, 2005 threshold
	45-40	Cyl/Mort/Rim	6 Panel	3/8"	45 Minute	A	Pemko Seals: S88, S44, S773, S771, ACP112, 2005 threshold
	45	Cyl/Mort	2 Panel	3/8"	45 Minute	A	Pemko Seals: S88, S44, S773, S771, ACP112, 2005 threshold
	44-40	Cyl/Mort/Rim	2 Panel	3/8"	45 Minute	A	Pemko Seals: S88, S44, S773, S771, ACP112, 2005 threshold

CURRIES Tech Manual

Specialty Section

Revised
September, 2017

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April, 2014

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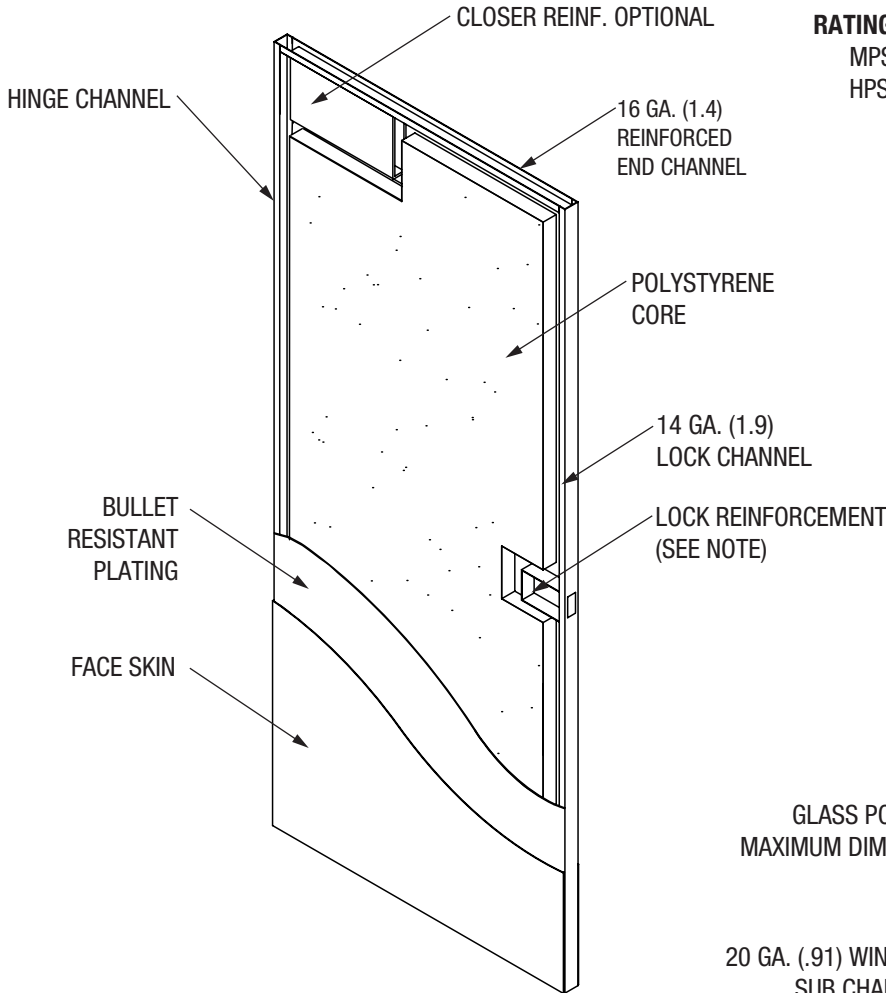
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2 737 Bullet Resistant Level 1 & 2 Door Details

Bullet Resistant Door Technical Data

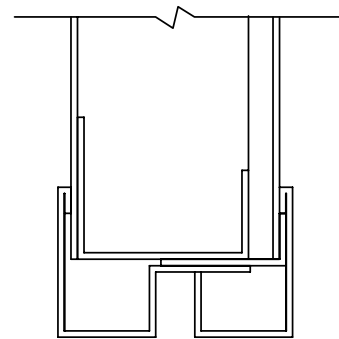
April, 2014

NOTE: Door and frame must be furnished as a complete assembly with factory welded M12 series frame.
Tested in accordance and complies with U.L. test standard 752 "Bullet Resistant Equipment"



RATINGS:

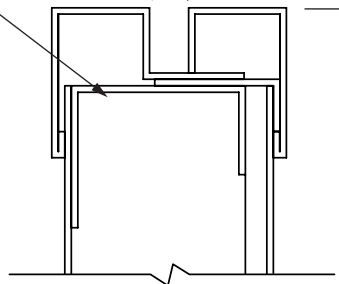
MPSA Level 1 (medium power small arms)
HPSA Level 2 (high power small arms)



SEE NOTE FOR VISIBLE GLASS SIZE

GLASS POCKET WIDTH MAY VARY.
MAXIMUM DIMENSION OF 1-1/8" (28.6)

20 GA. (.91) WINDOW SUB CHANNEL



NOTES:

MAXIMUM SIZE:

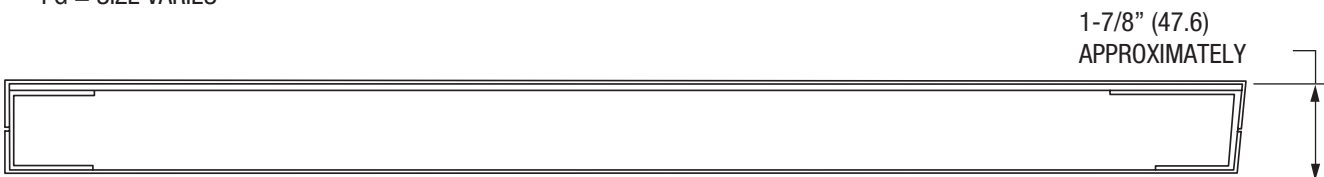
4'0" (1219.2) WIDE X 10'0" (3048) HIGH. PAIRS WITH MULLIONS AVAILABLE.

HARDWARE:

CONTACT FACTORY FOR HARDWARE APPROVED FOR USE WITH THIS ASSEMBLY.

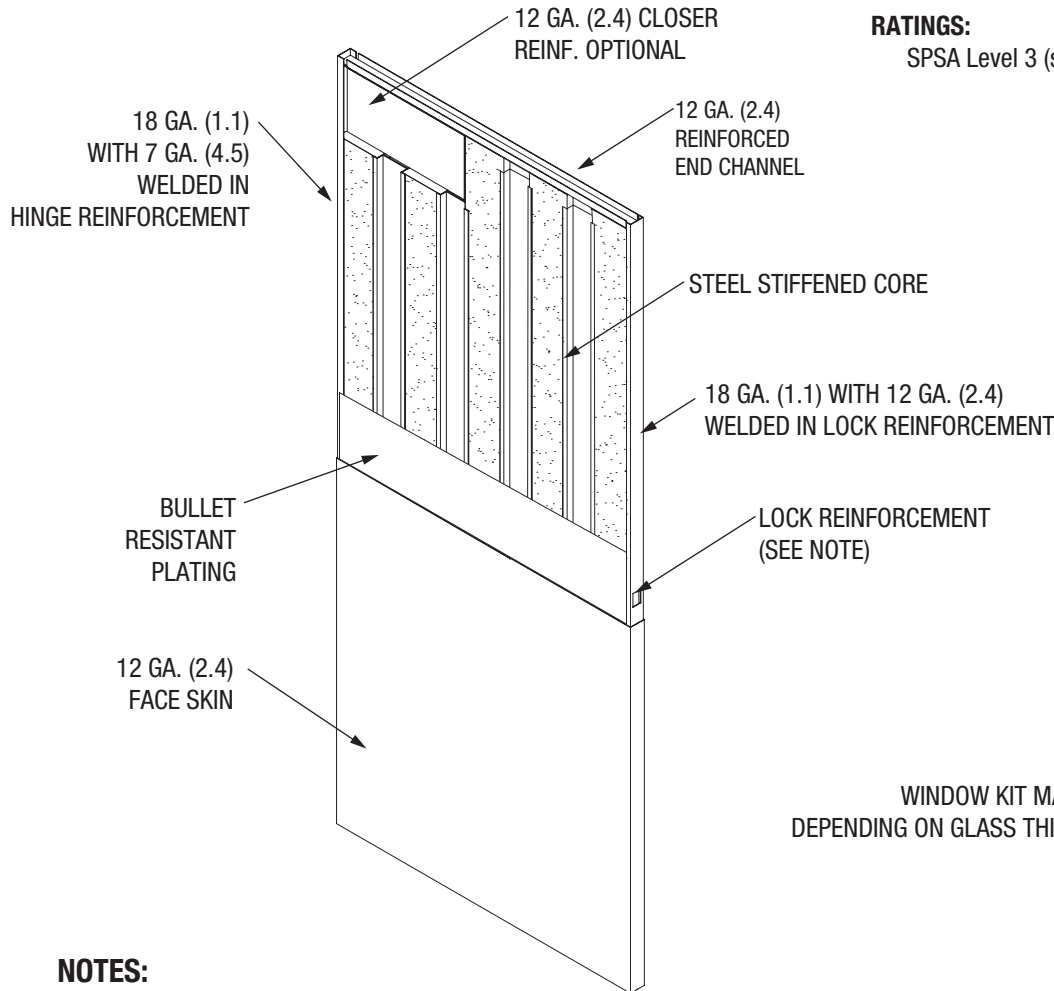
VISION PANELS:

FV1 = VISIBLE OPENING IS 12" (304.8) X 12" (304.8)
HG = SIZE VARIES
FG = SIZE VARIES

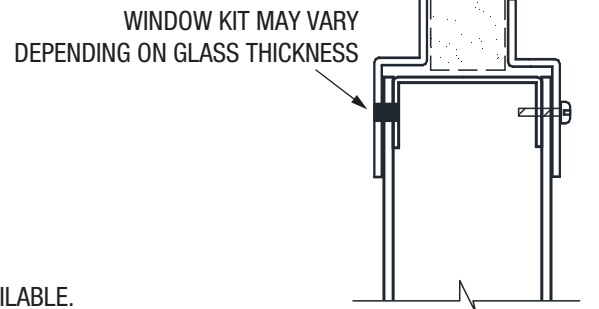
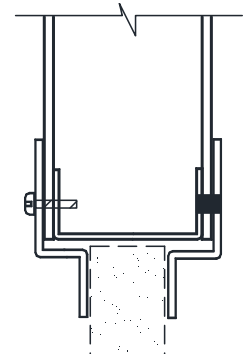




NOTE: Door and frame must be furnished as a complete assembly with factory welded M12 series frame.
Tested in accordance and complies with U.L. test standard 752 "Bullet Resistant Equipment"



RATINGS:
SPSA Level 3 (super power small arms)



NOTES:

MAXIMUM SIZE:

4'0" (1219.2) WIDE X 10'0" (3048) HIGH. PAIRS WITH MULLIONS AVAILABLE.

HARDWARE:

MORTISE AND CYLINDRICAL LOCKS PER ANSI A156.115; RIM PANIC EXIT DEVICES PER ANSI A156.3, TYPE 1, 2, 3, AND 8. THROUGH BOLTED HARDWARE PREPARATIONS ARE FIELD MACHINED; HARDWARE MANUFACTURER IS RESPONSIBLE FOR VALIDATING BULLET RESISTANCE OF LOCK IF NOT USING THROUGH-BOLTED HARDWARE.

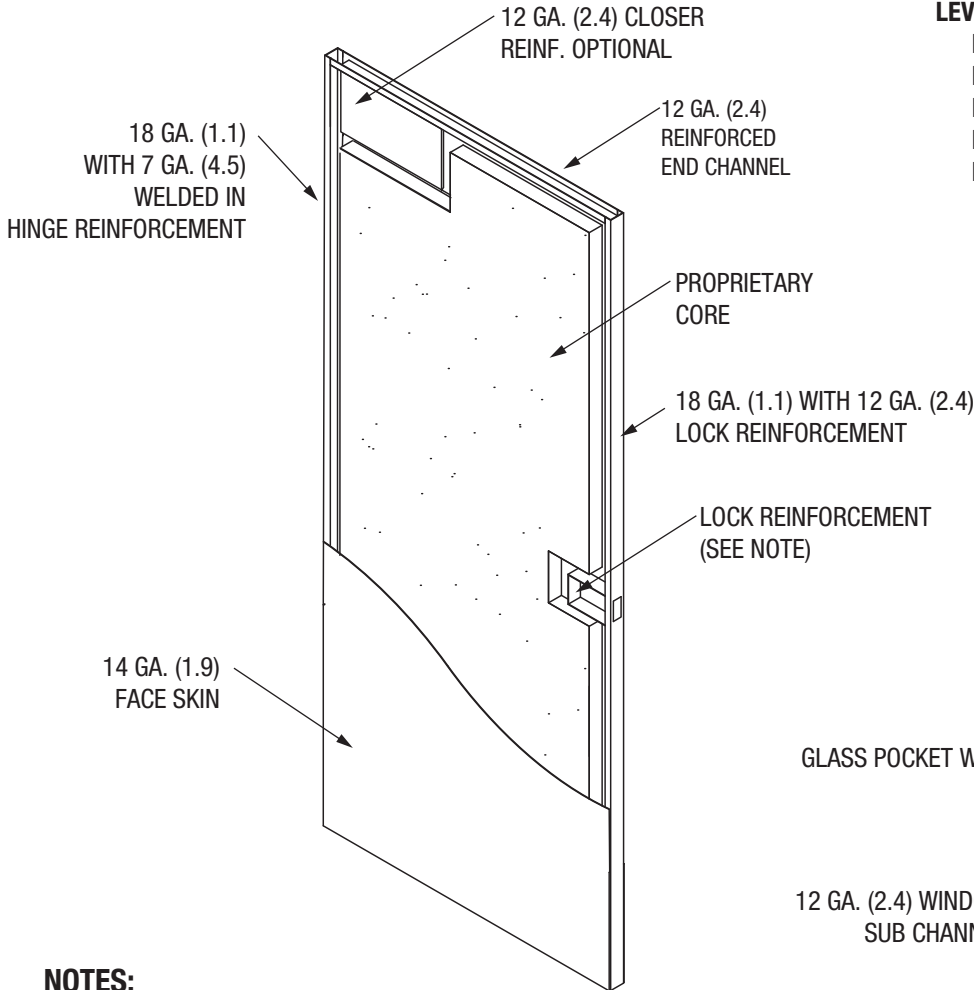
VISION PANELS (NON FIRE RATED):

- FV1 = VISIBLE OPENING IS 12" (304.8) X 12" (304.8)
- HG = SIZE VARIES
- FG = SIZE VARIES



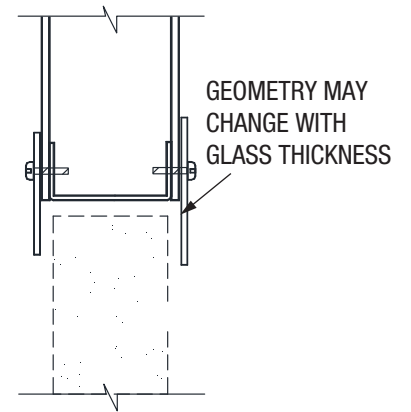
April, 2014

NOTE: Door and frame must be furnished as a complete assembly with factory welded frame.
 Tested in accordance and complies with U.L. test standard 752 "Bullet Resistant Equipment"

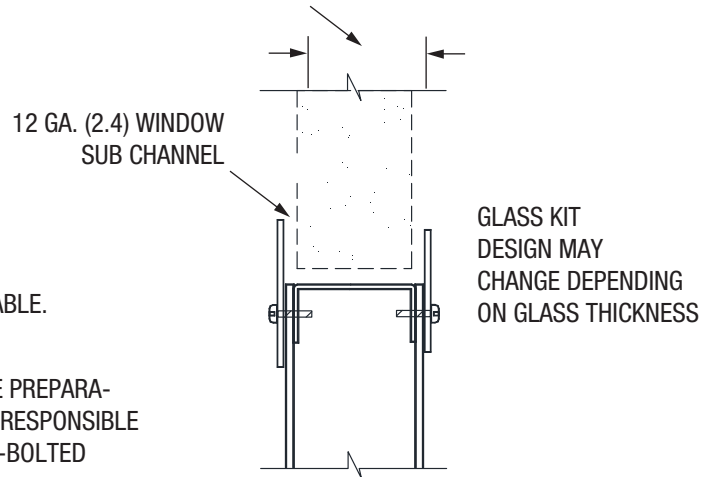


LEVEL 4-8 RATINGS:

- HPR Level 4 (high powered rifle)
- HPR Level 5 (high powered rifle)
- MPSA Level 6 (medium powered small arms)
- HPR Level 7 (high powered rifle)
- HPR Level 8 (high powered rifle)



GLASS POCKET WIDTH MAY VARY.



NOTES:

MAXIMUM SIZE:

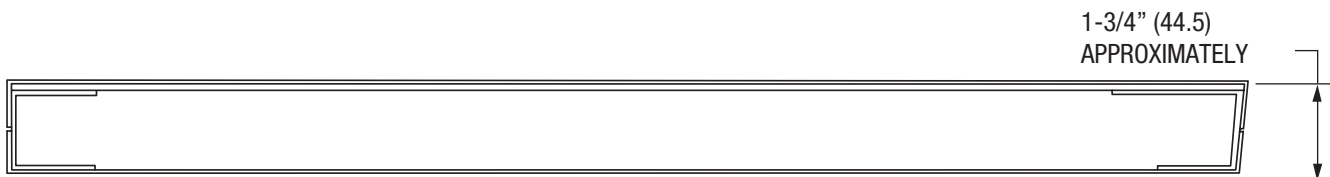
4'0" (1219.2) WIDE X 9'0" (2743.2) HIGH. PAIRS WITH MULLION AVAILABLE.

HARDWARE:

SURFACE MOUNTED HARDWARE, ONLY. THROUGH BOLTED HARDWARE PREPARATIONS ARE FIELD MACHINED; HARDWARE MANUFACTURER IS RESPONSIBLE FOR VALIDATING BULLET RESISTANCE OF LOCK IF NOT USING THROUGH-BOLTED HARDWARE.

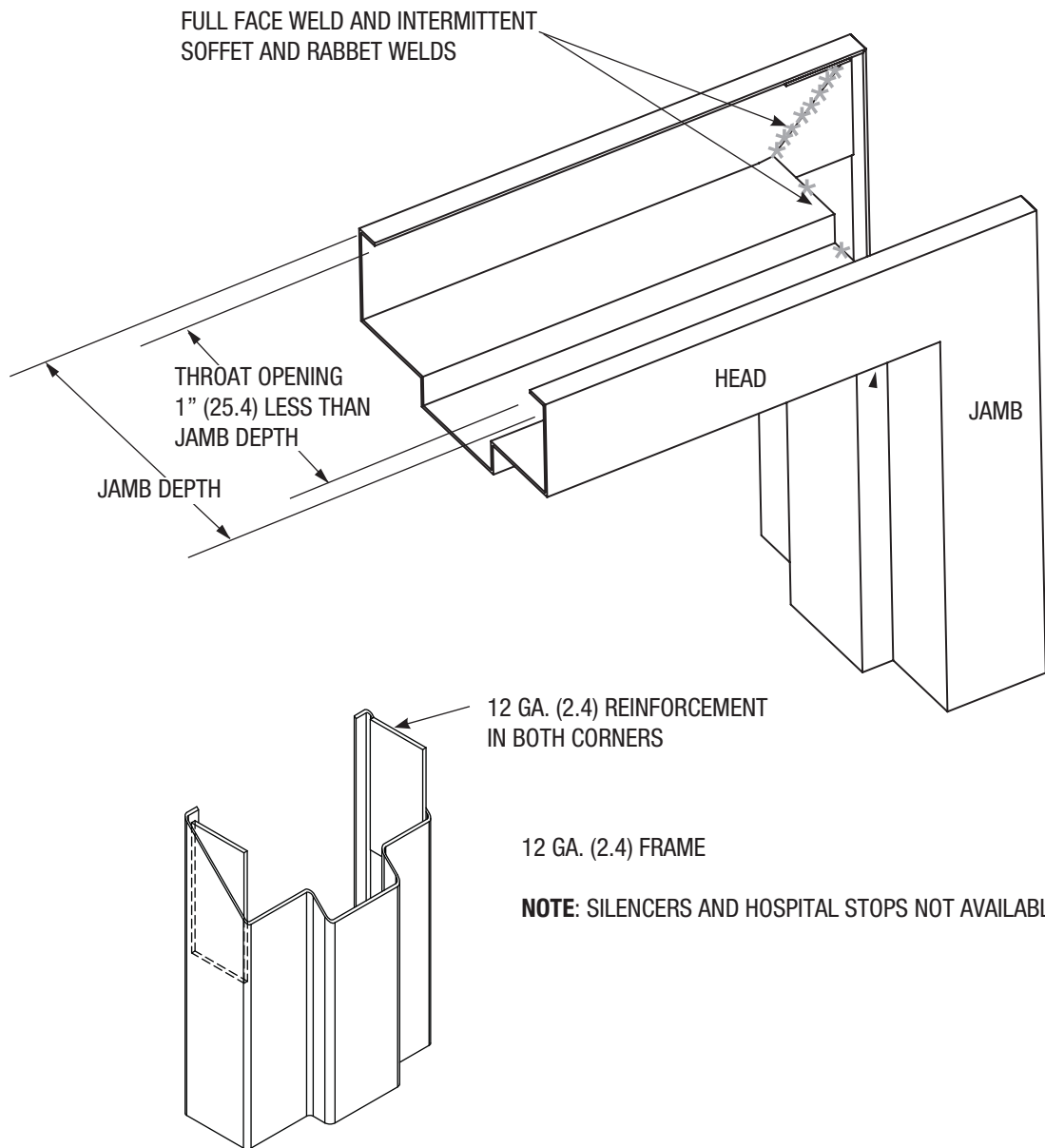
VISION PANELS (NON FIRE RATED):

- FV1 = VISIBLE OPENING IS 12" (304.8) X 12" (304.8)
- HG = SIZE VARIES
- FG = SIZE VARIES





NOTE: Door and frame must be furnished as a complete assembly with factory welded M12 series frame.
Tested in accordance and complies with U.L. test standard 752 "Bullet Resistant Equipment"



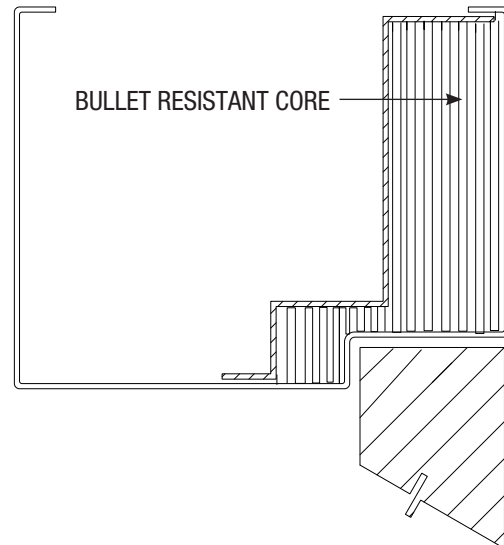
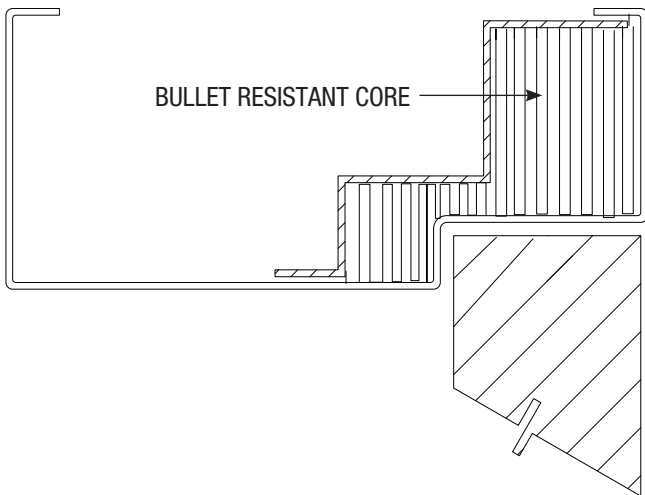
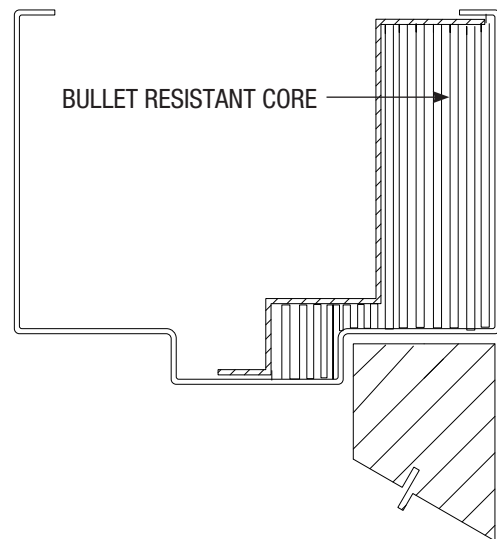
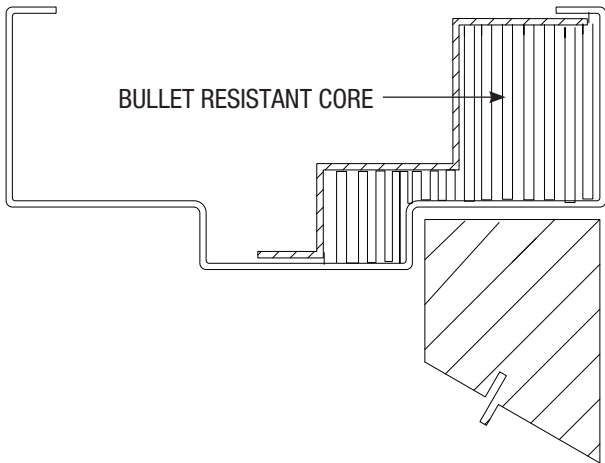
6 Bullet Resistant Frames Level 4-8

Bullet Resistant Frame Technical Data

April, 2014

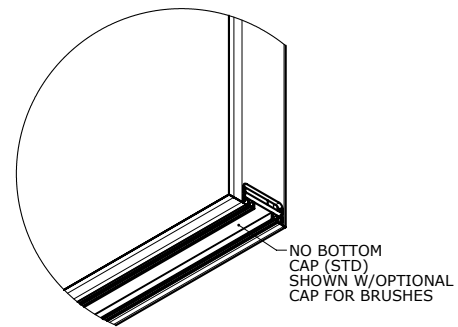
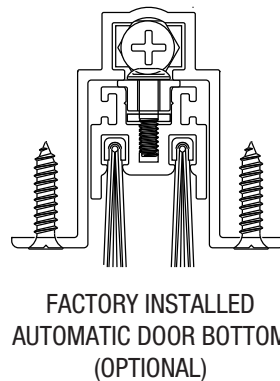
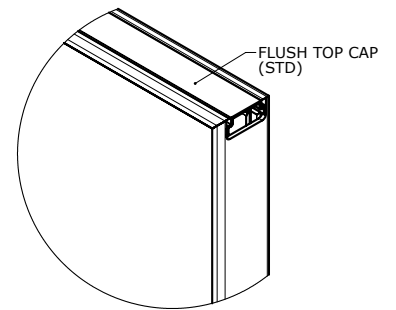
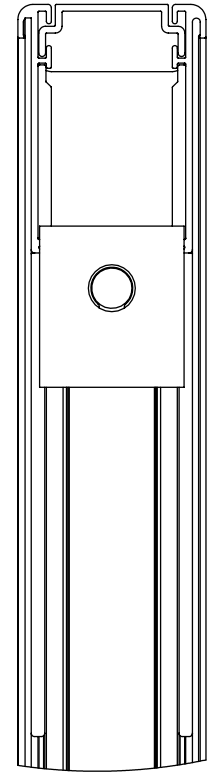
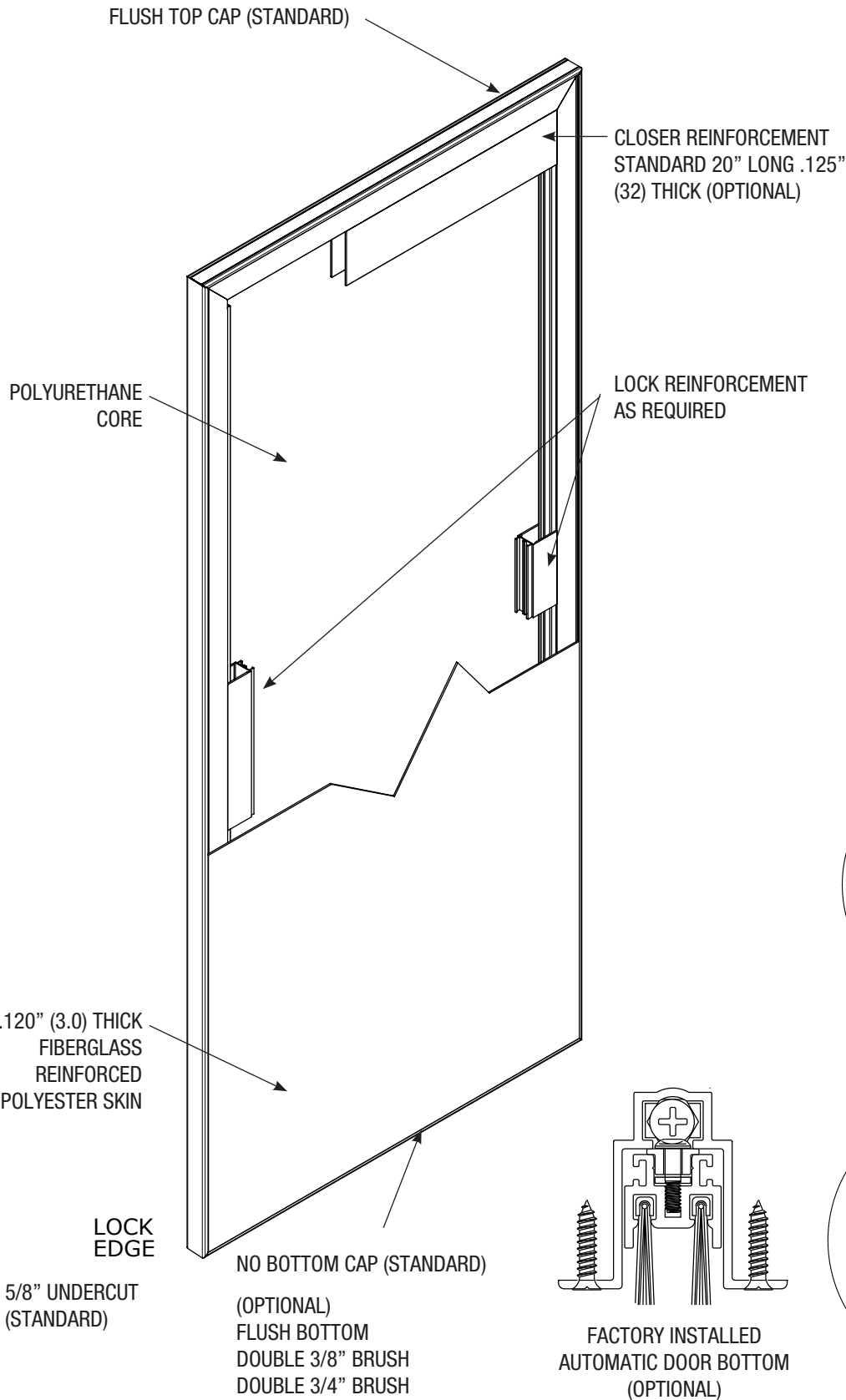


NOTE: Door and frame must be furnished as a complete assembly with factory welded M or G series frame.
Tested in accordance and complies with U.L. test standard 752 "Bullet Resistant Equipment"



NOTES:

- FRAME IS 14 GA. (1.9)
- CONTINUOUS HINGE AND PIVOTS ONLY
- SILENCERS AND HOSPITAL STOPS NOT AVAILABLE



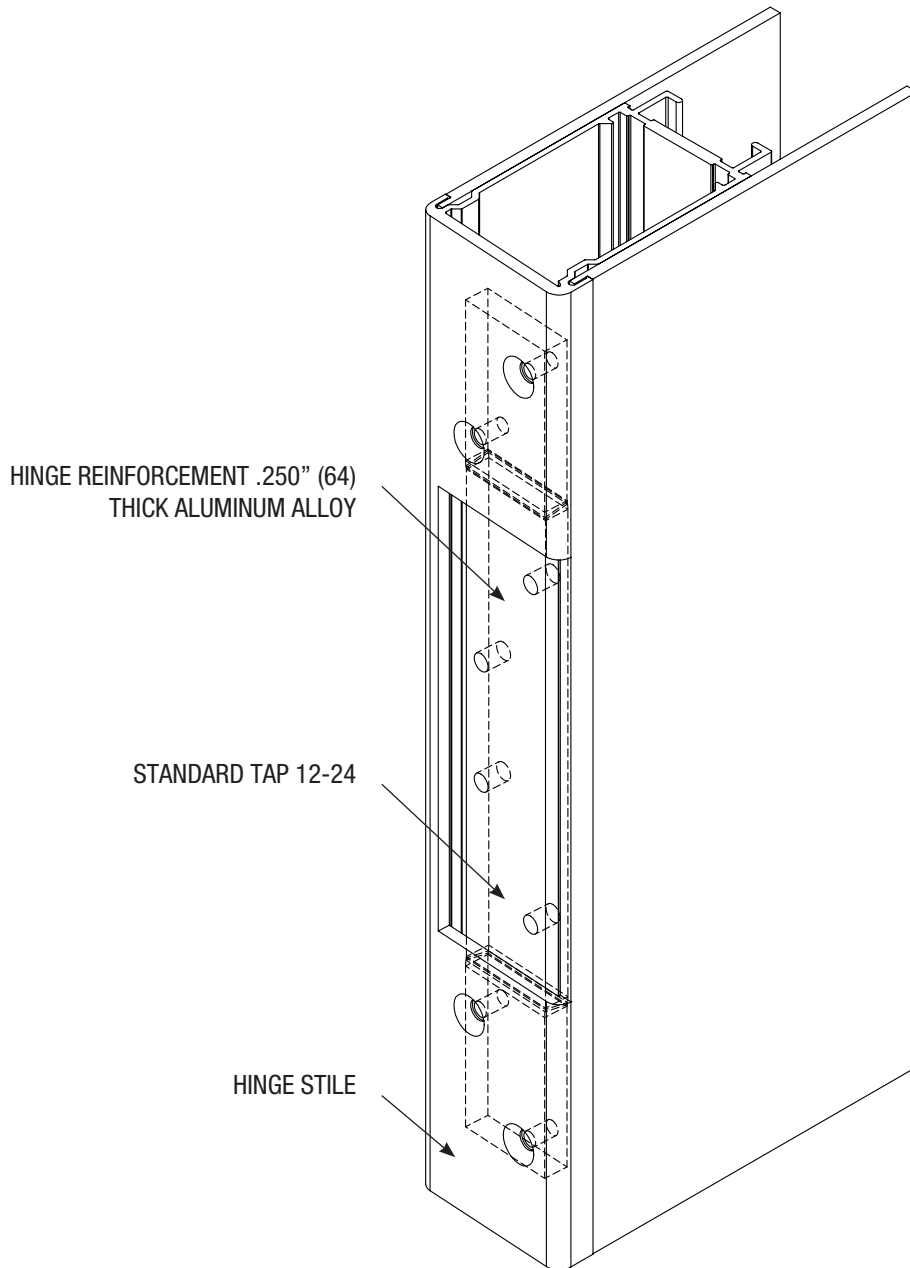
Hinge Channel Reinforcement

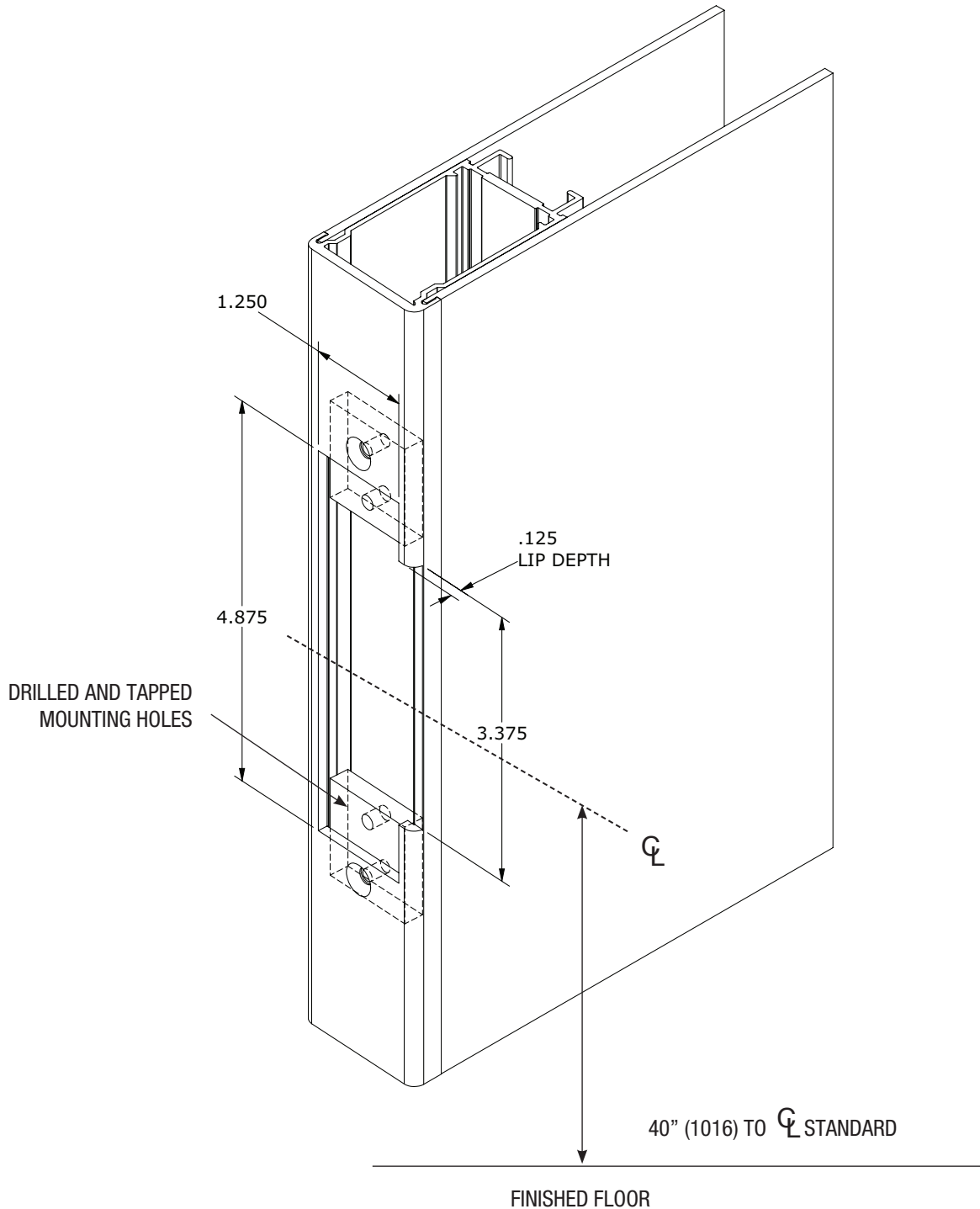
FRP Door Technical Data

March, 2014



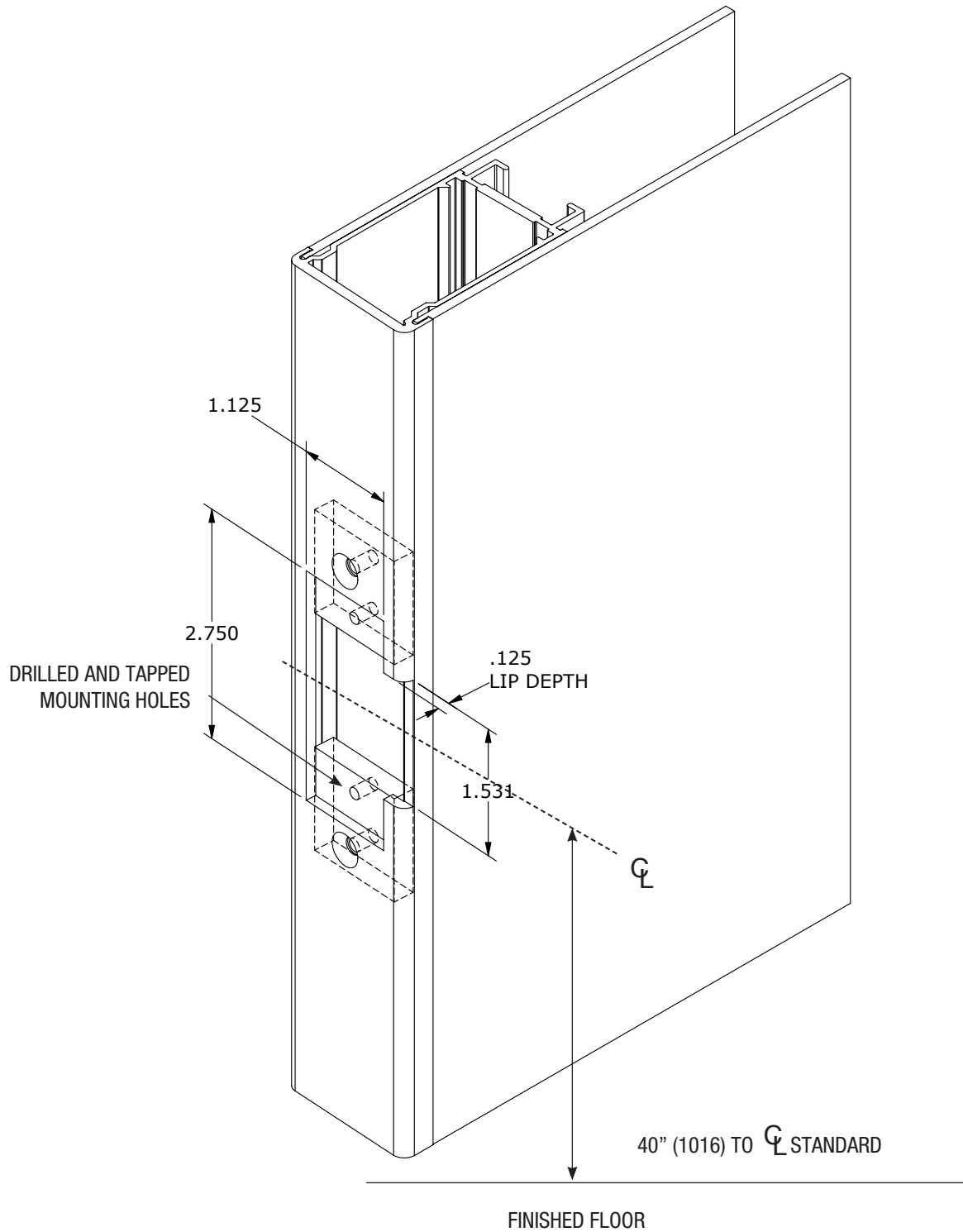
4-1/2" STANDARD WEIGHT BUTT
HINGE PREP 1/4" BACKSET ONLY

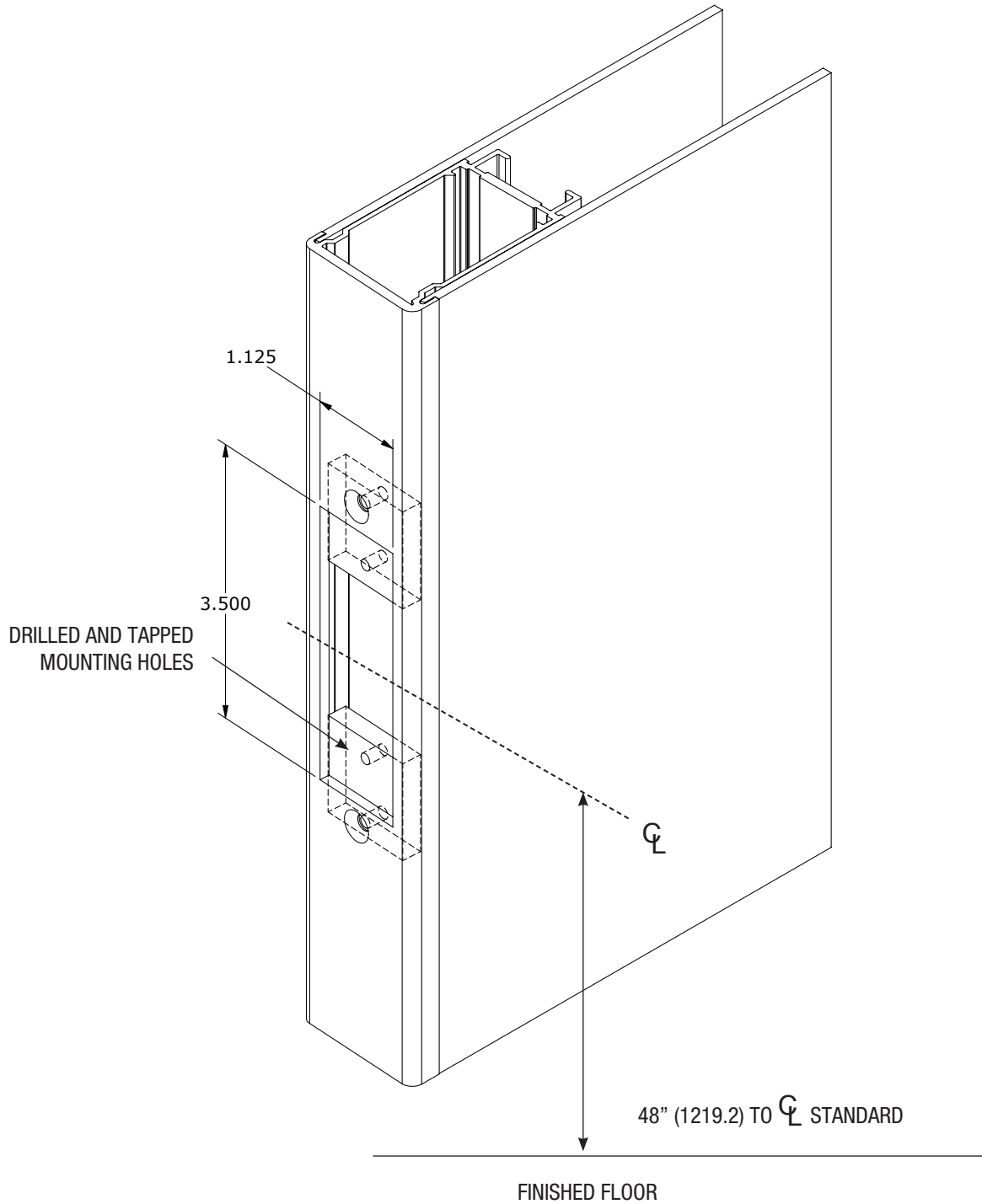




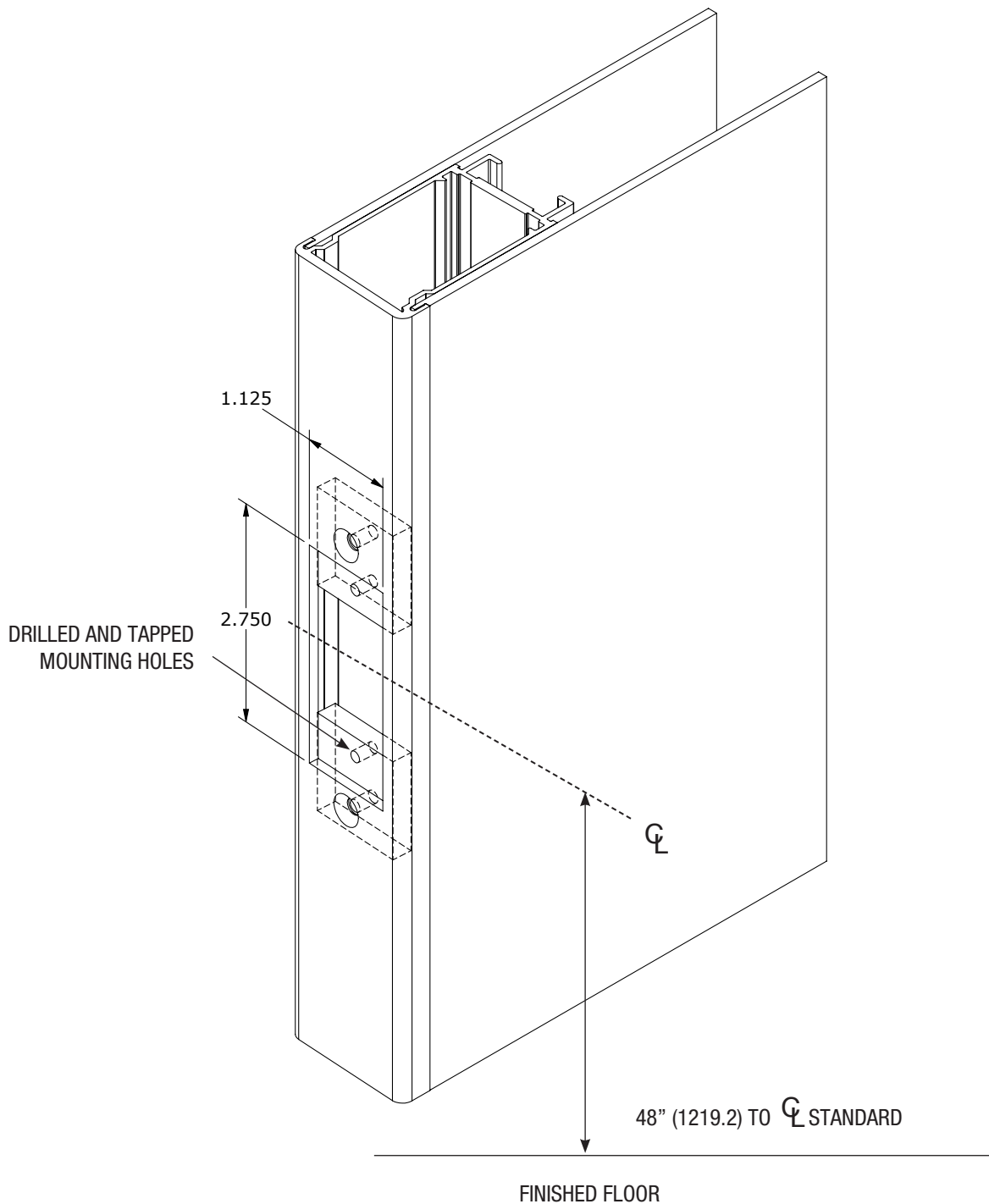
10
E2 Strike Preparation
FRP Door Technical Data

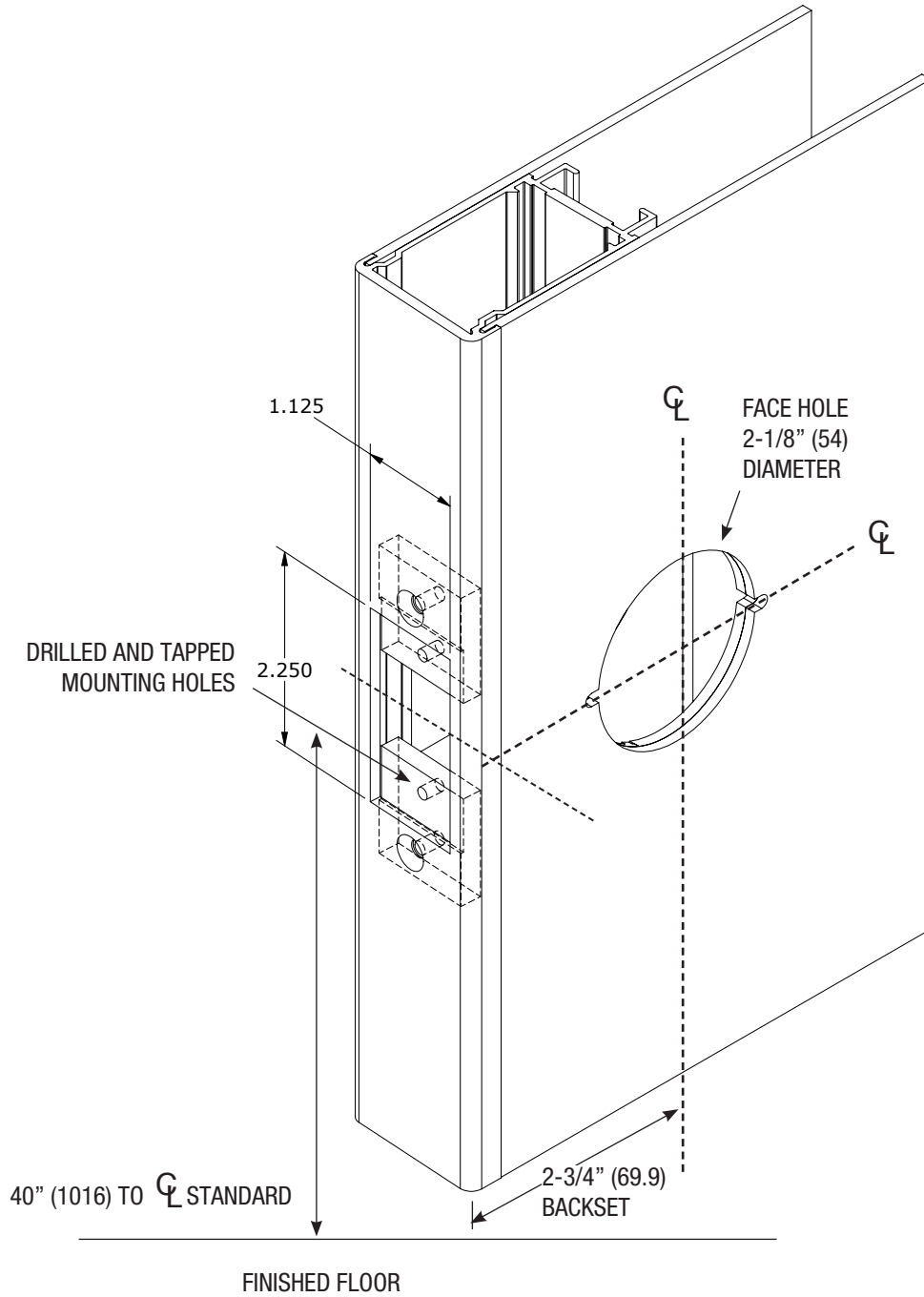
March, 2014





March, 2014





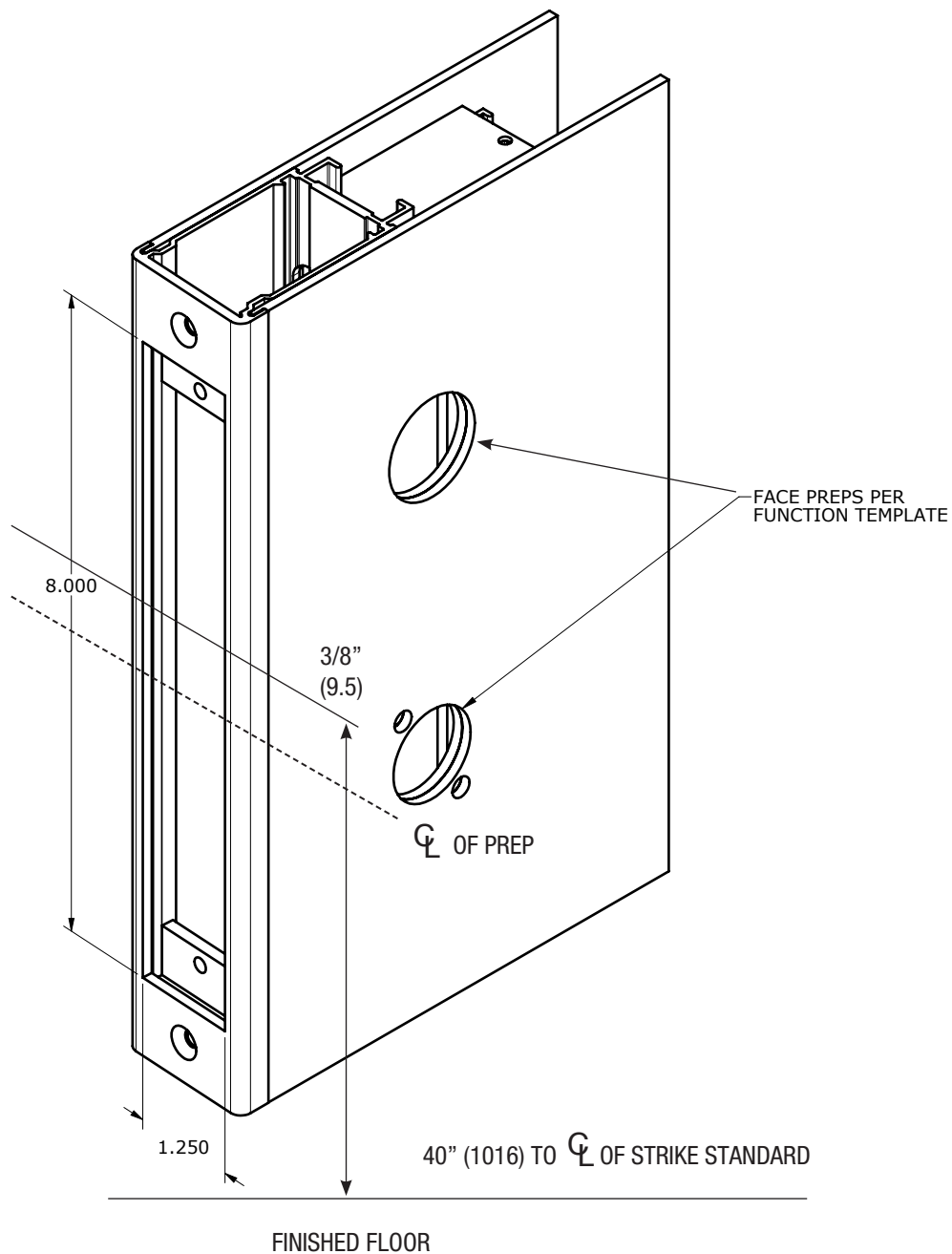
14 G3 Sectional Trim Mortise Lock Preparation

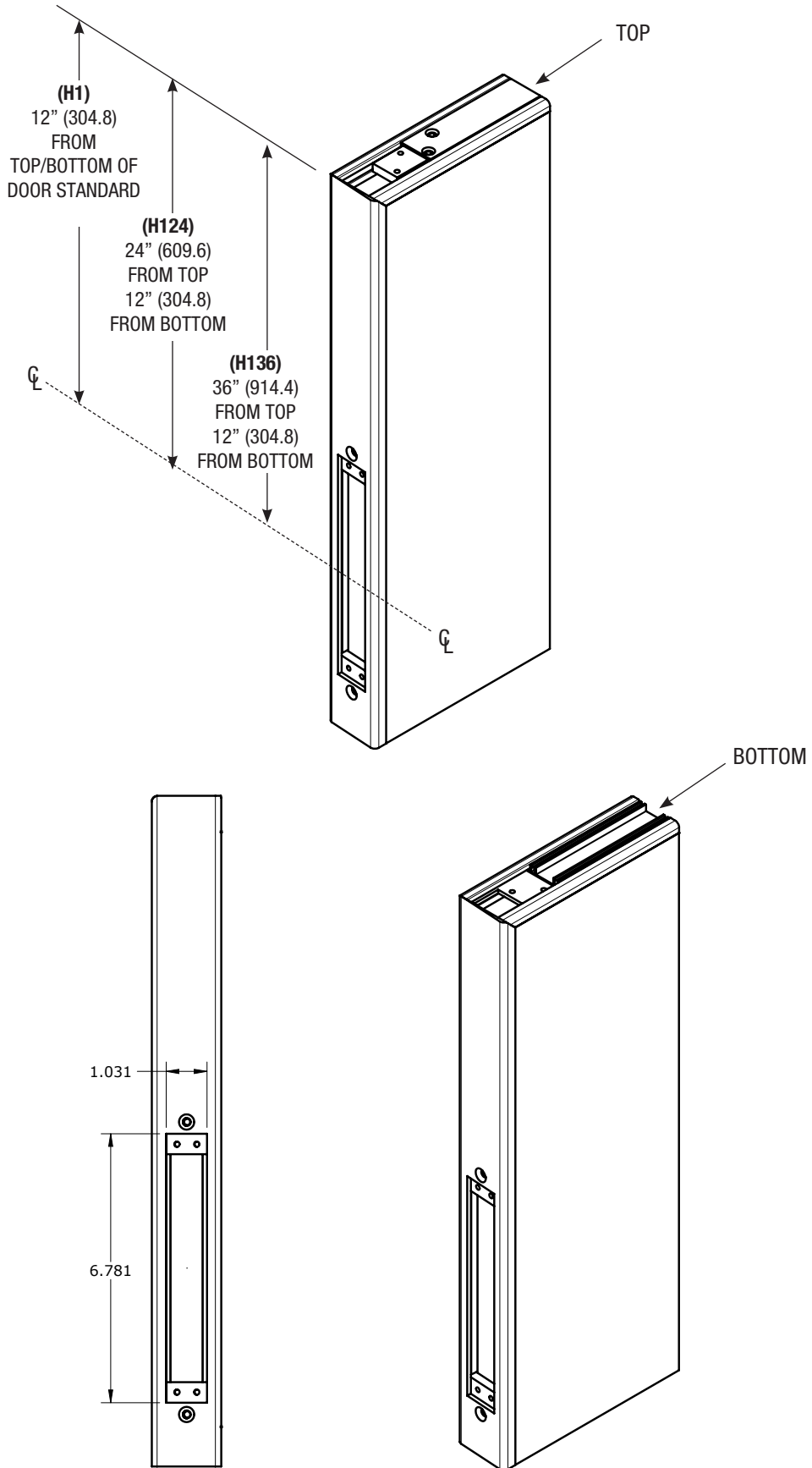
FRP Door Technical Data

CURRIES

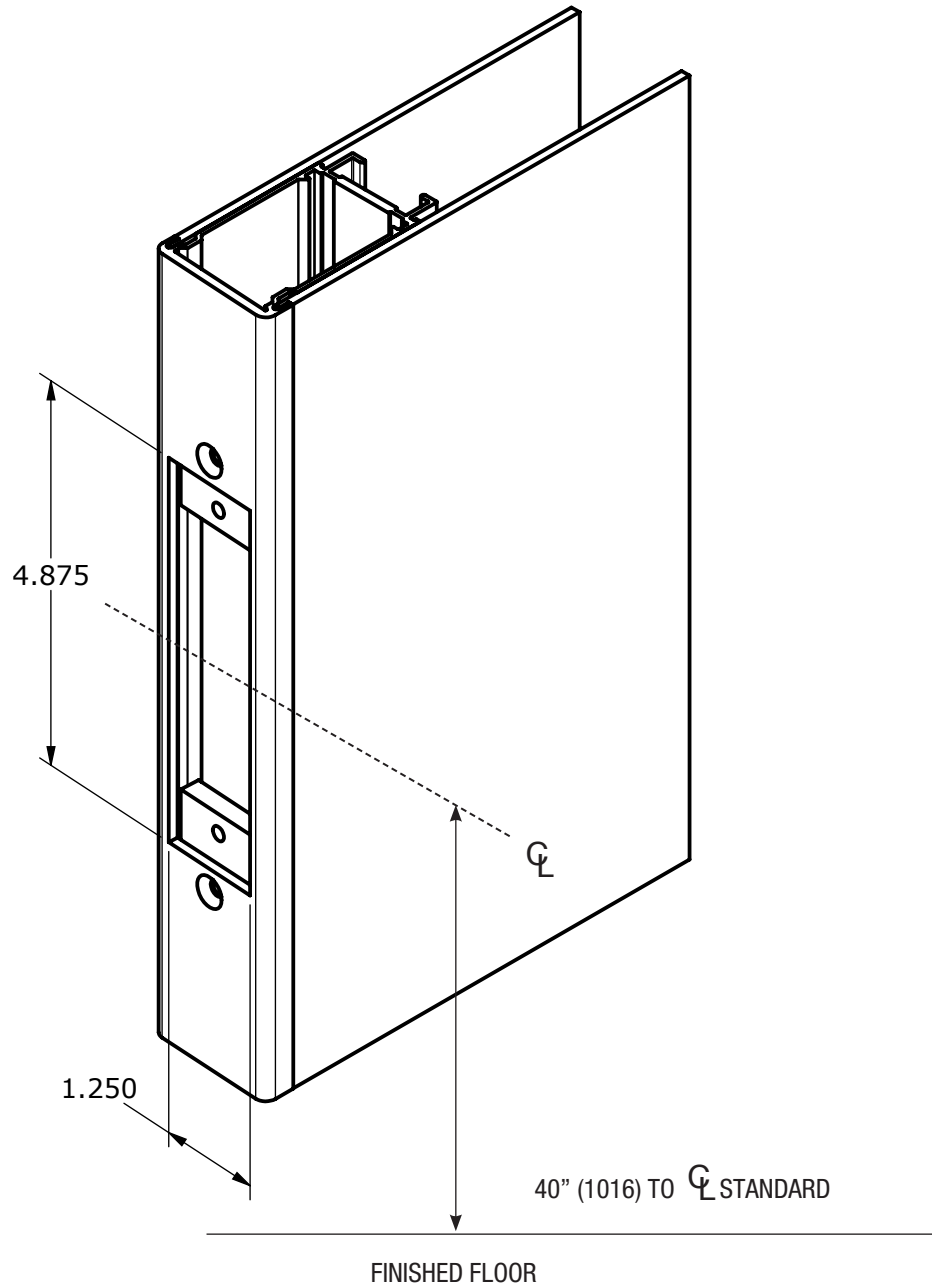
ASSA ABLOY

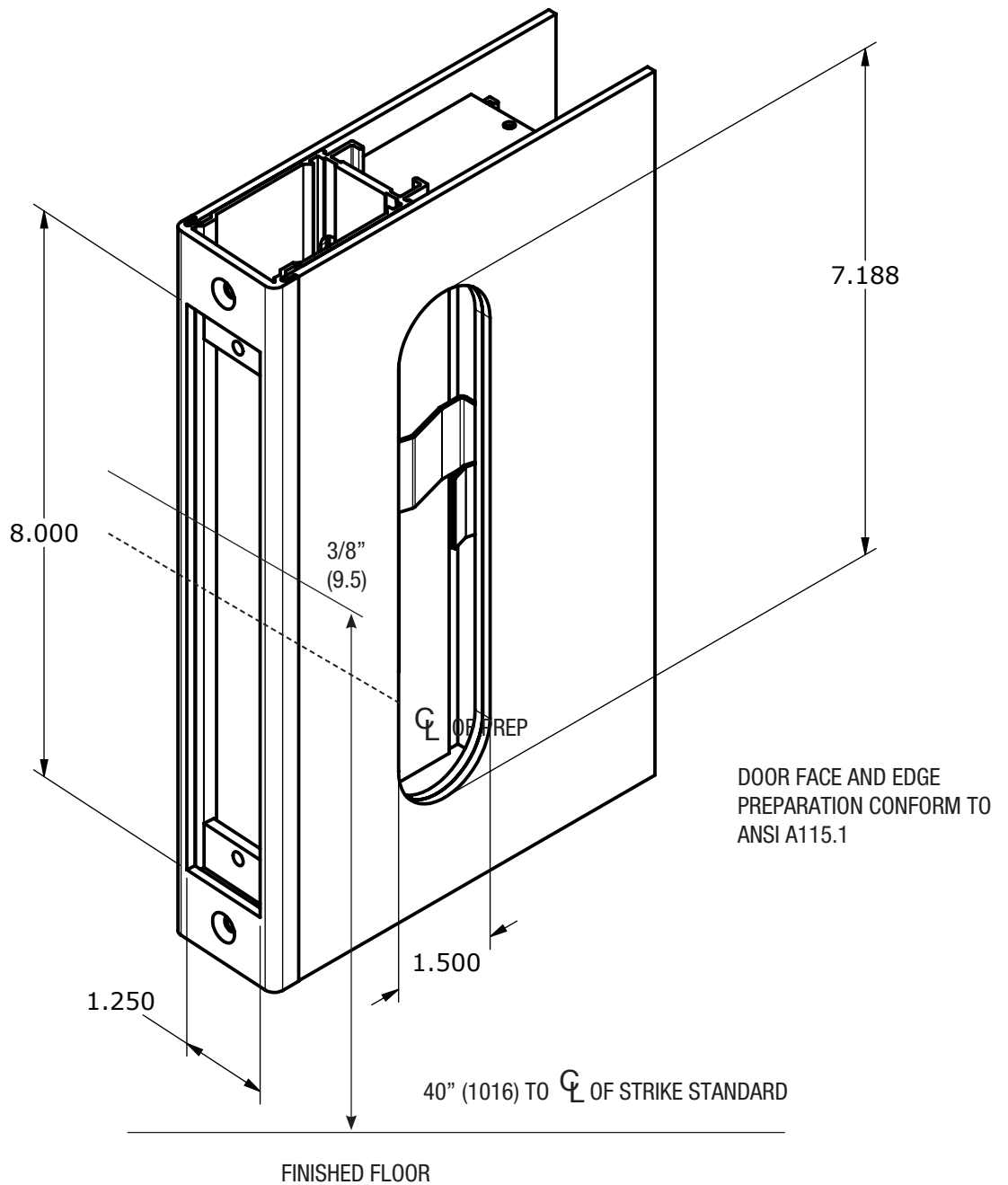
March, 2014



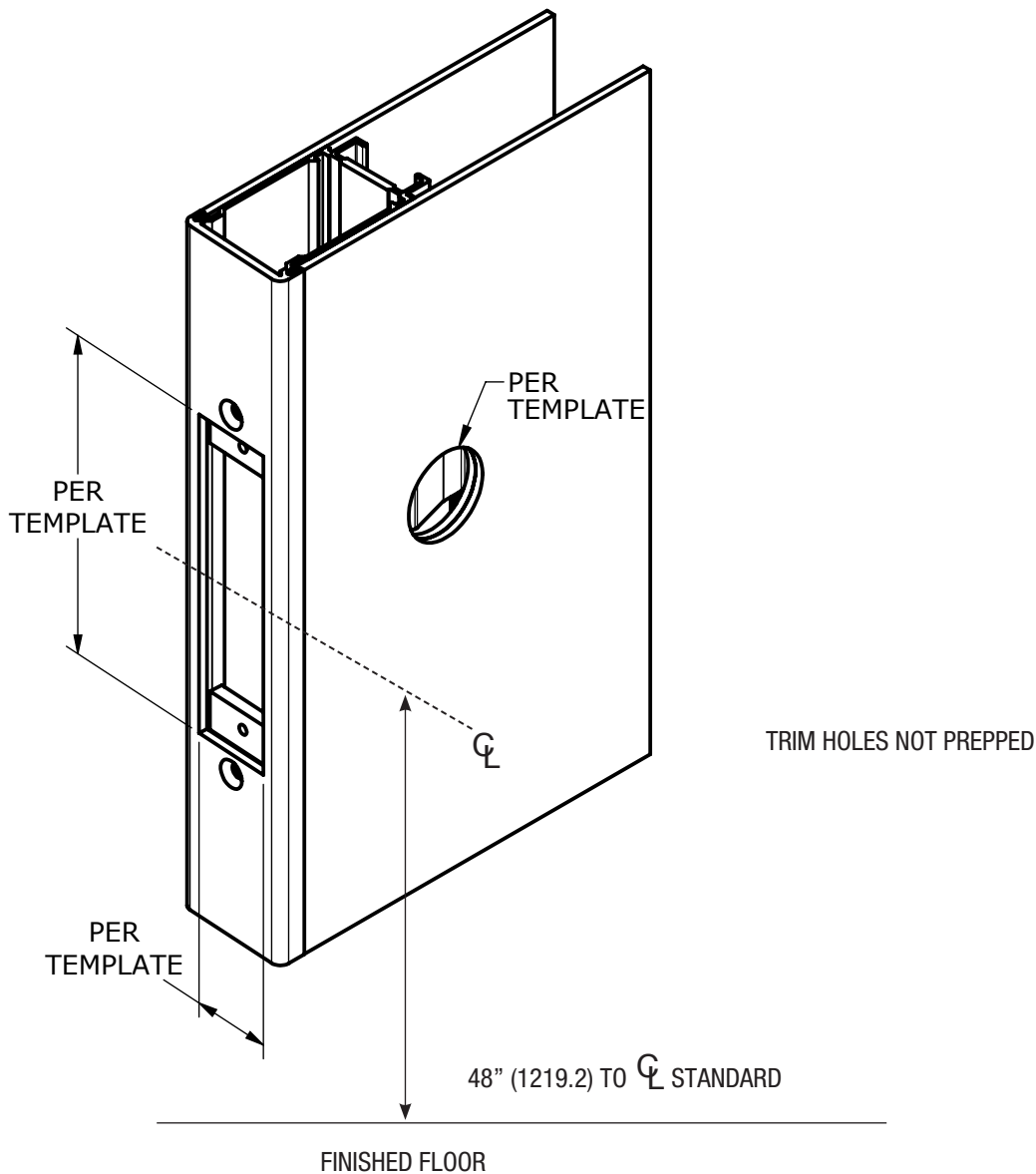


March, 2014





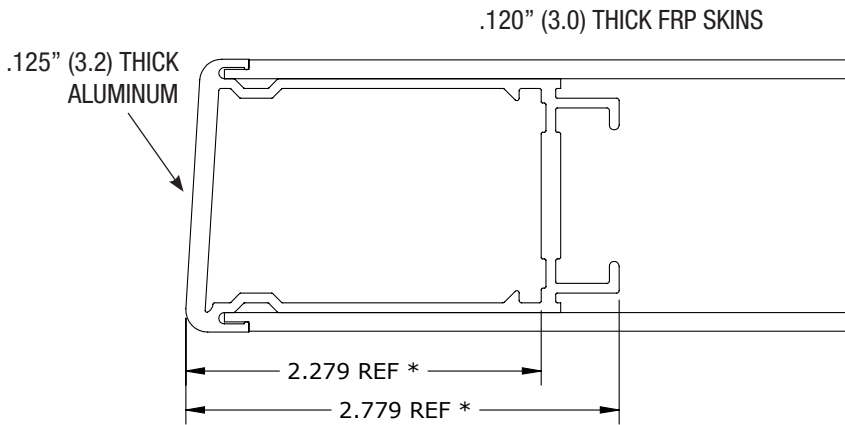
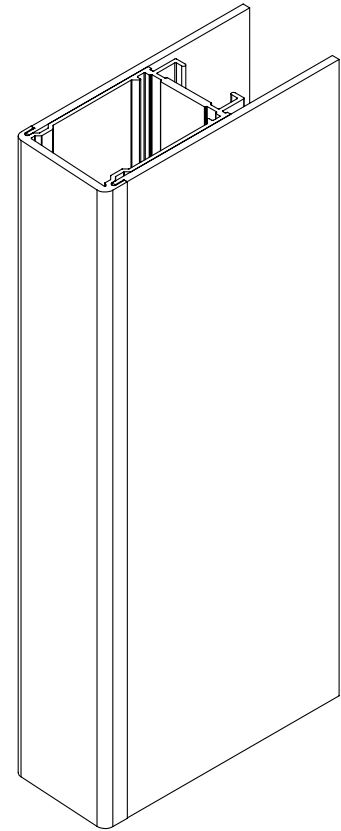
March, 2014





BEVELED EDGE SHOWN.

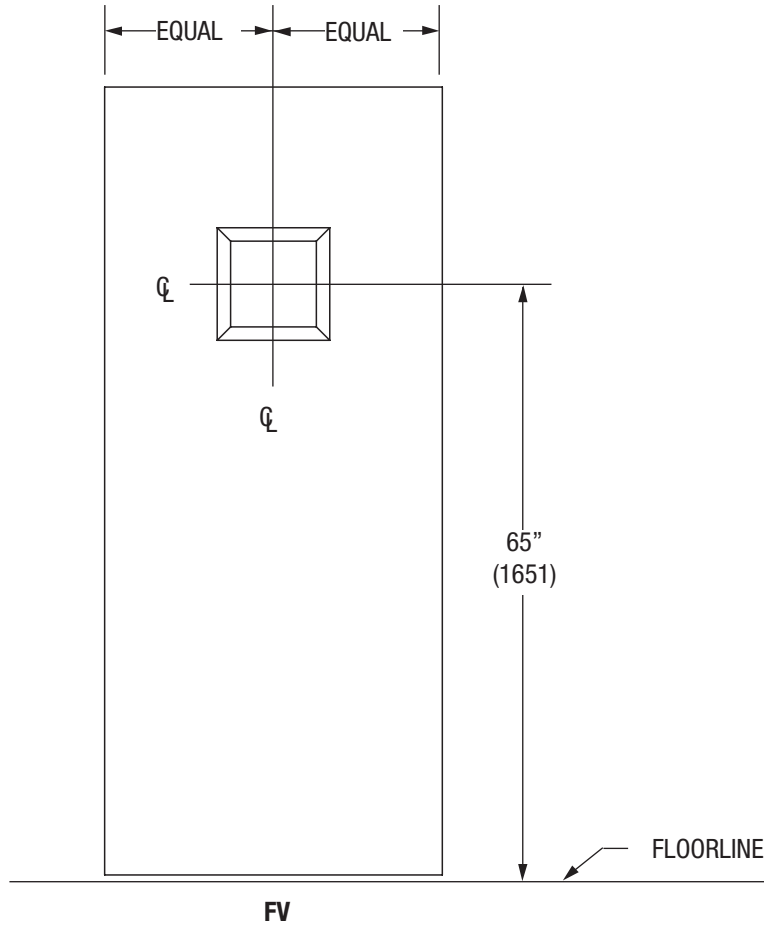
* - .090" FOR SQUARE EDGE



March, 2014



FRP Window Moulding

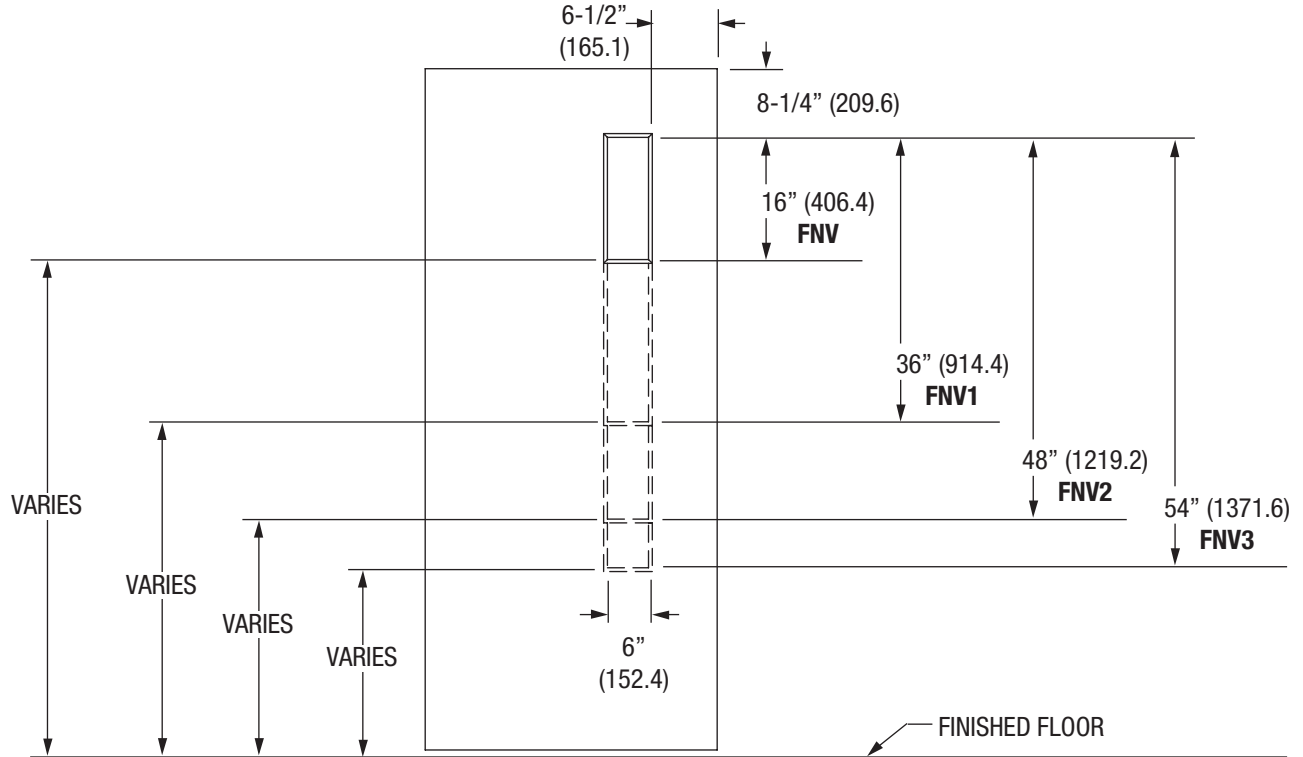


FV	10" (254) X 10" (254)
FV1	12" (304.8) X 12" (304.8)

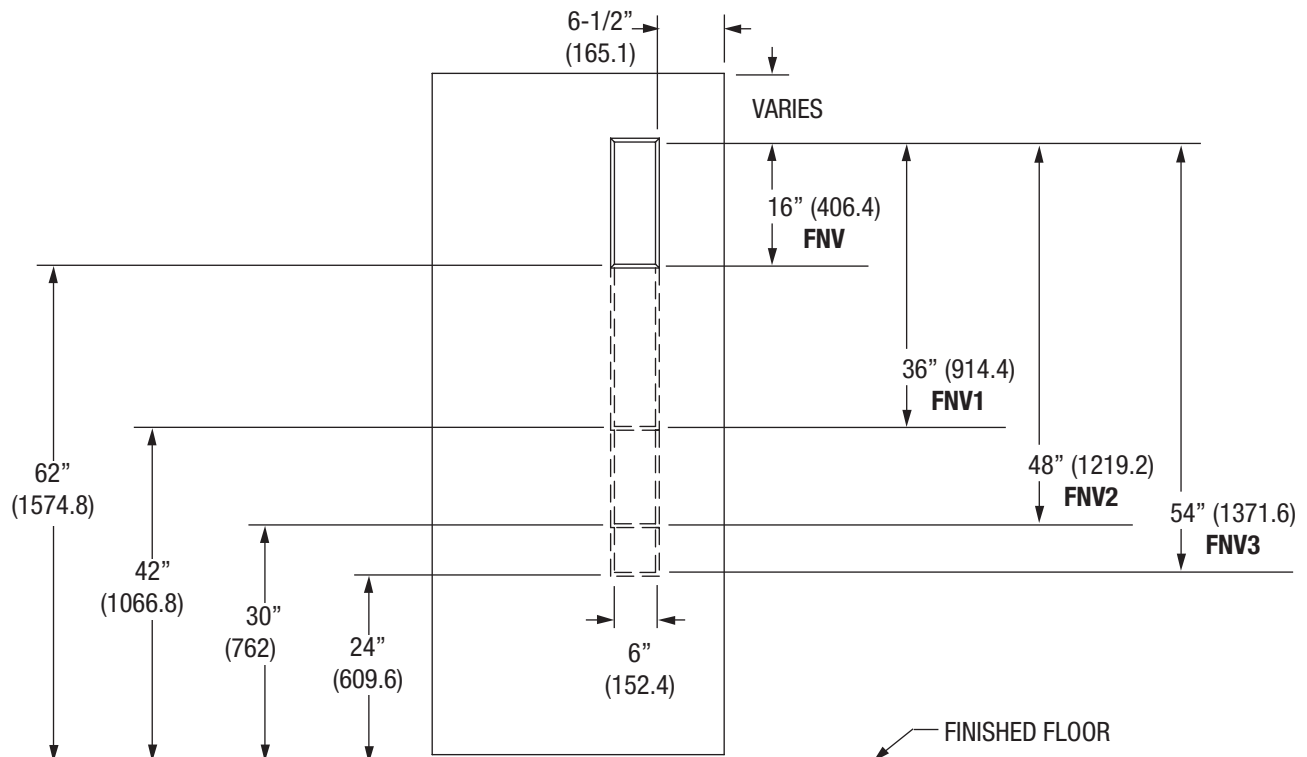
FRP Window Moulding



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



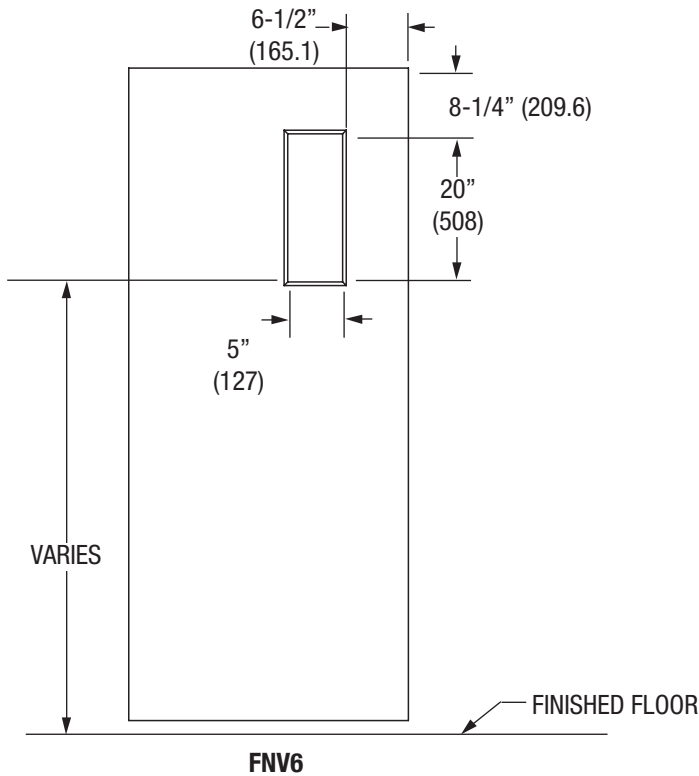
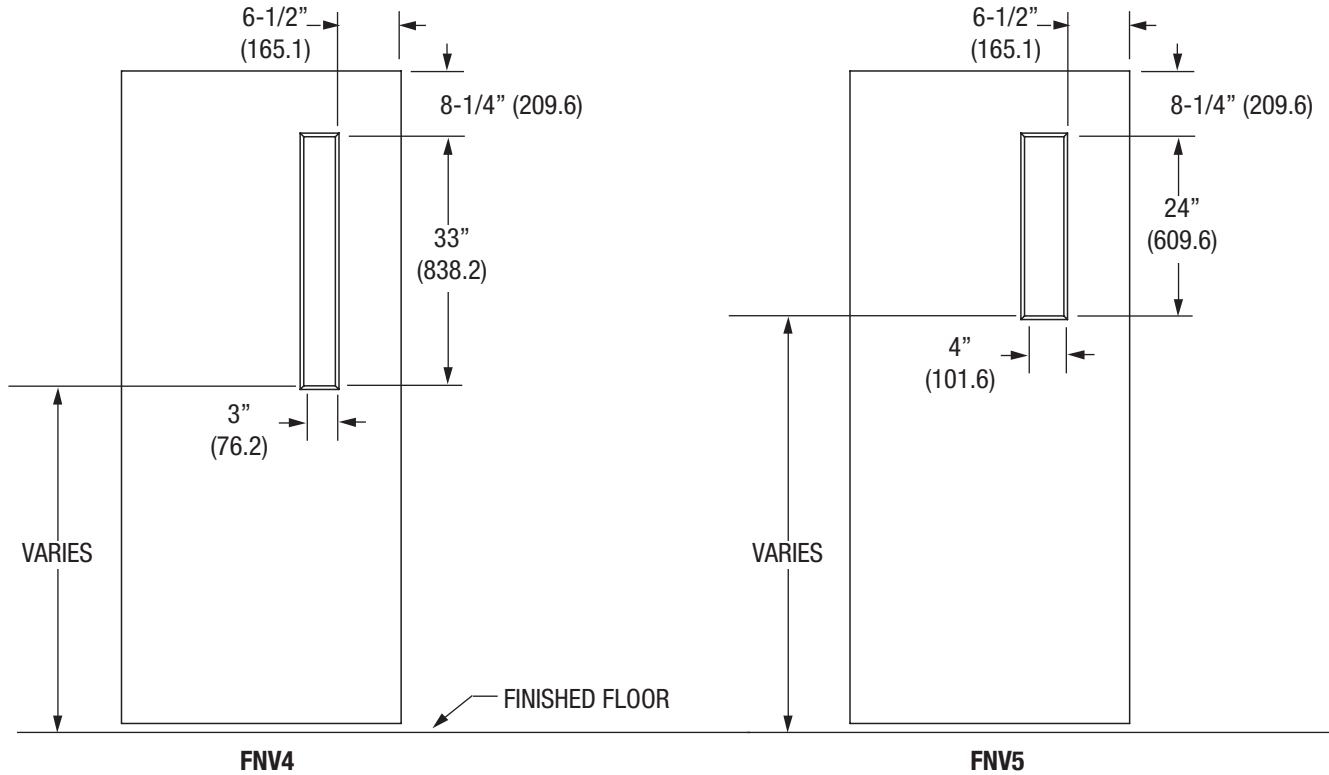
STANDARD LOCATIONS FOR DOORS OVER 7'2" (2184.4)



March, 2014

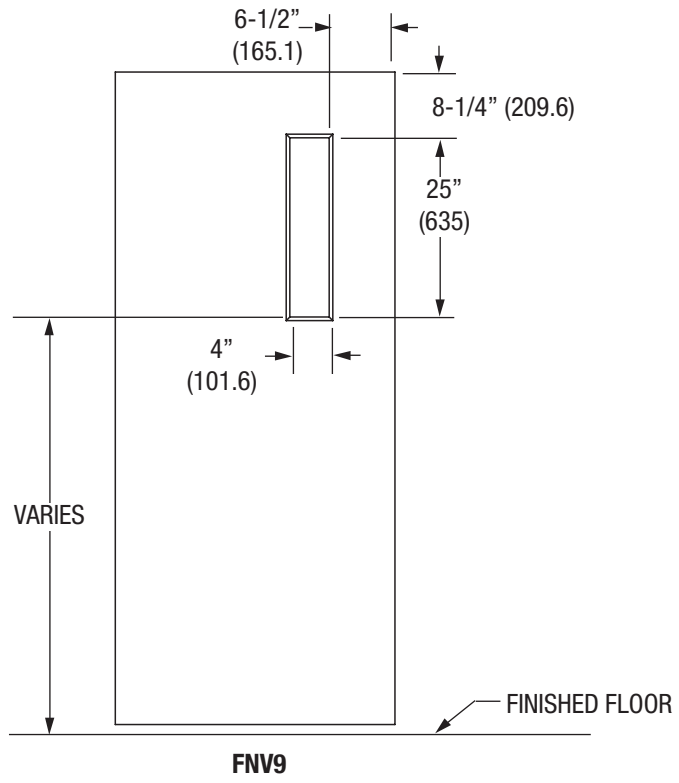
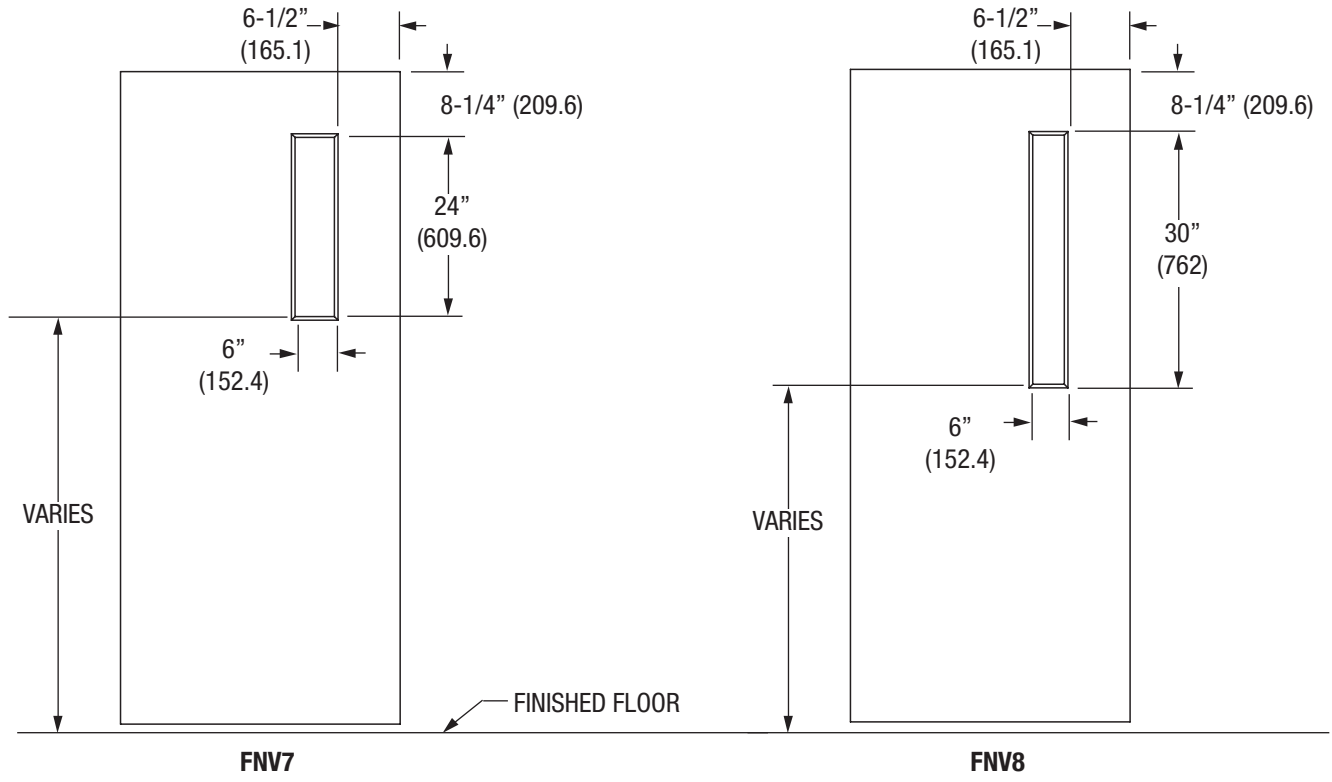


FRP Window Moulding



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

FRP Window Moulding



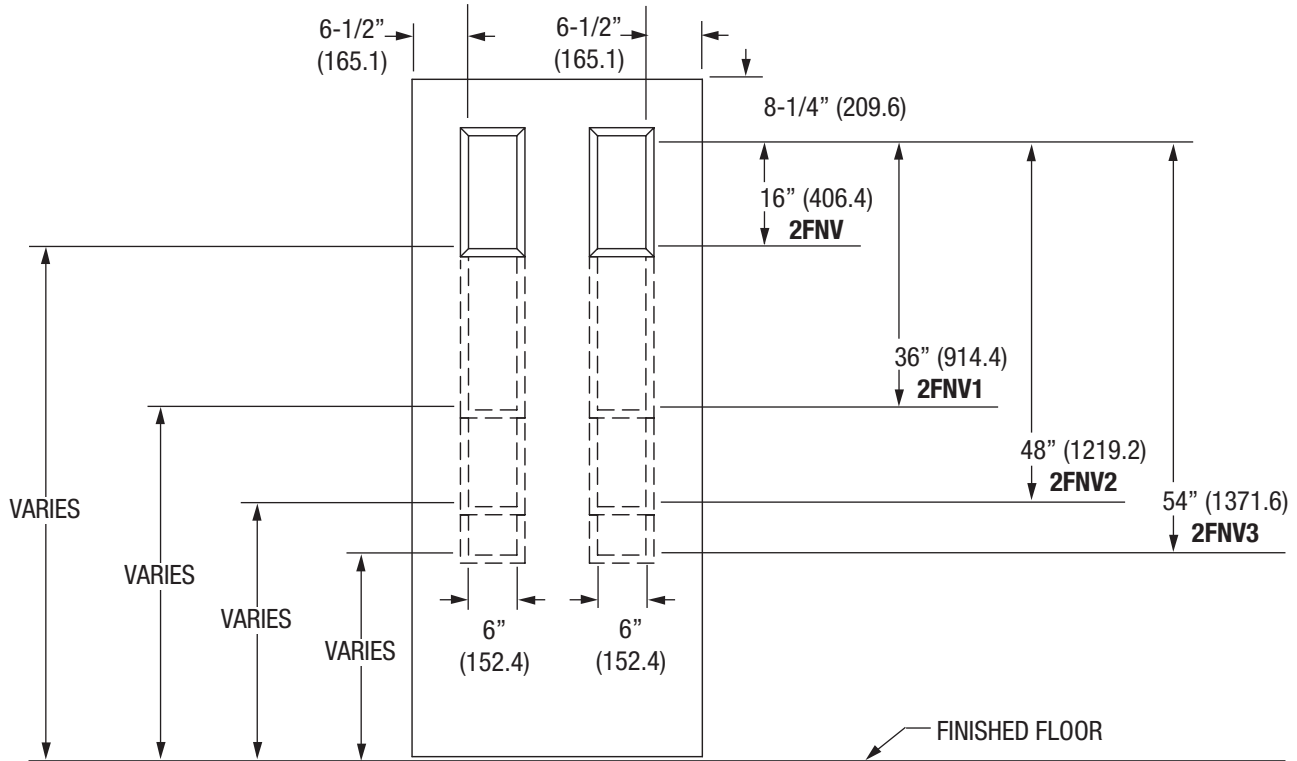
**STANDARD LOCATIONS FOR
DOORS 7'2" (2184.4) AND UNDER**

March, 2014

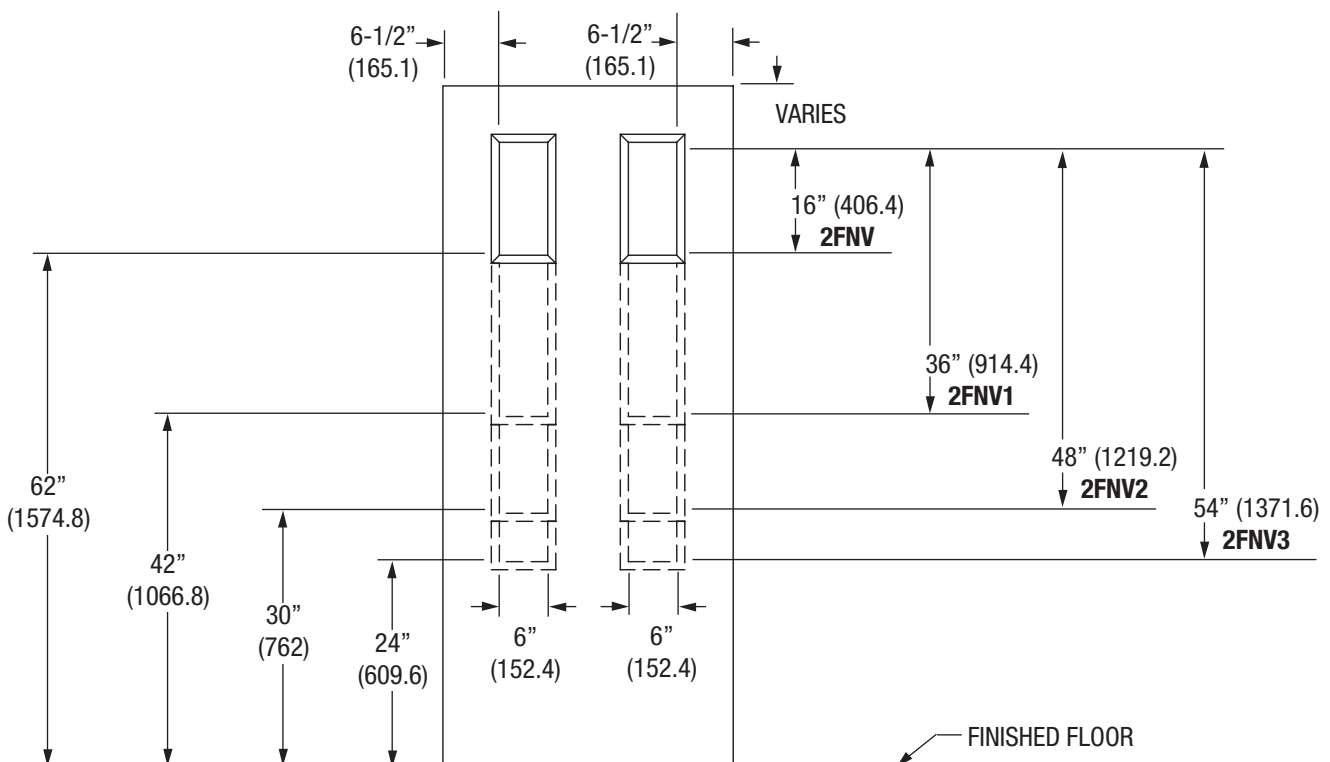
FRP Window Moulding



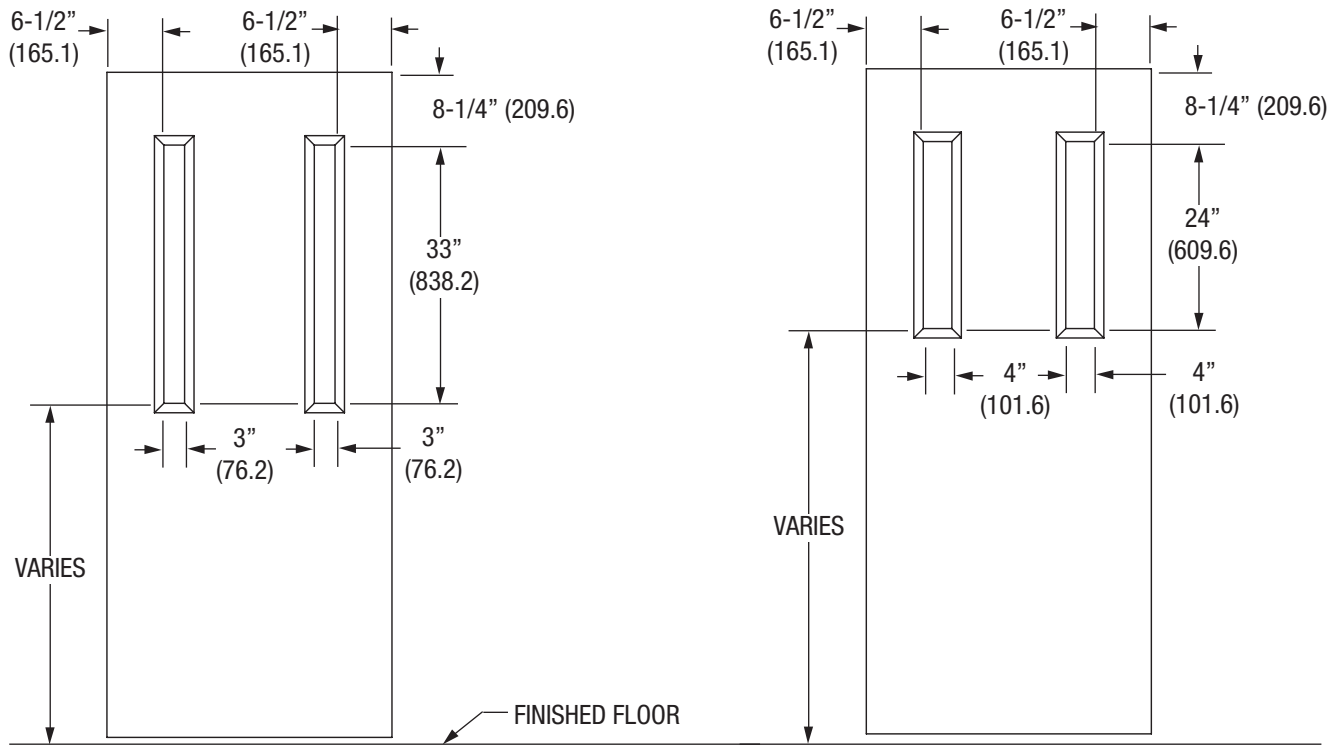
STANDARD LOCATIONS FOR DOORS 7'2" (2184.4) AND UNDER



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

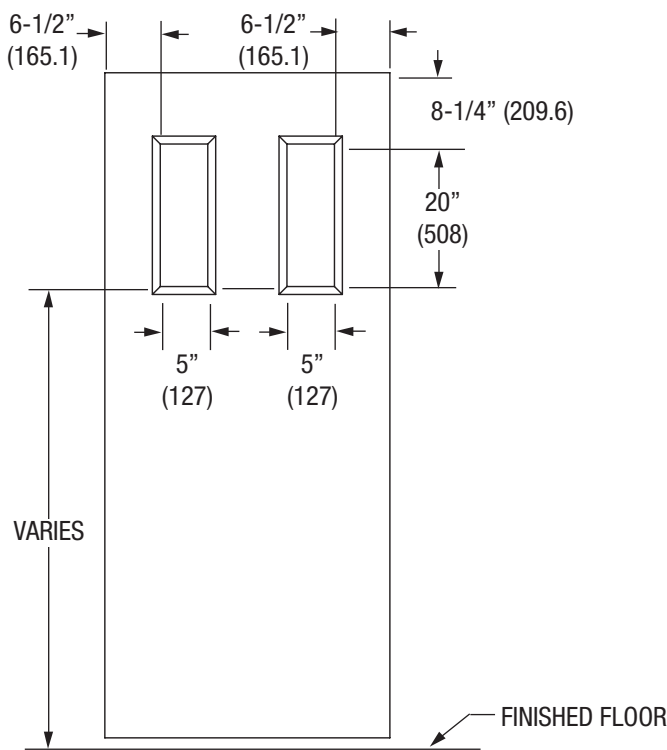


FRP Window Moulding



*** 2FNV4**

*** 2FNV5**

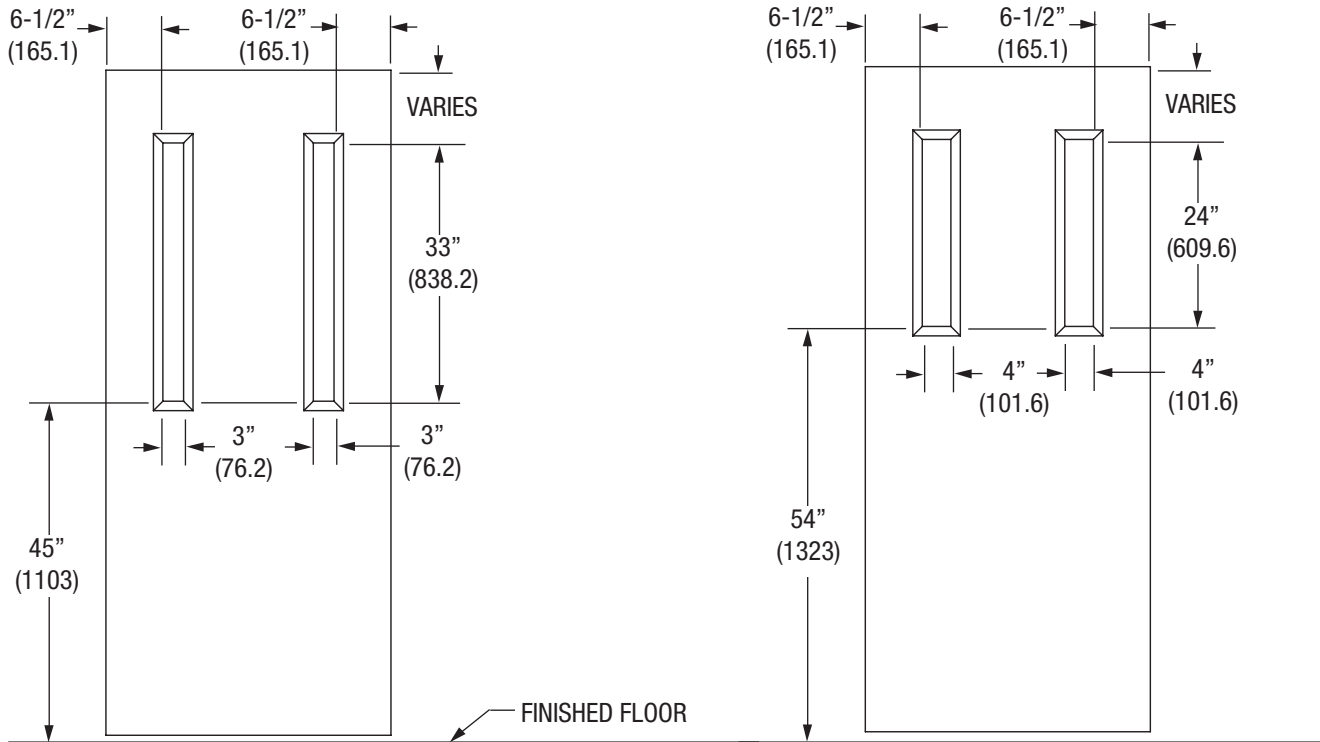


*** 2FNV6**

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

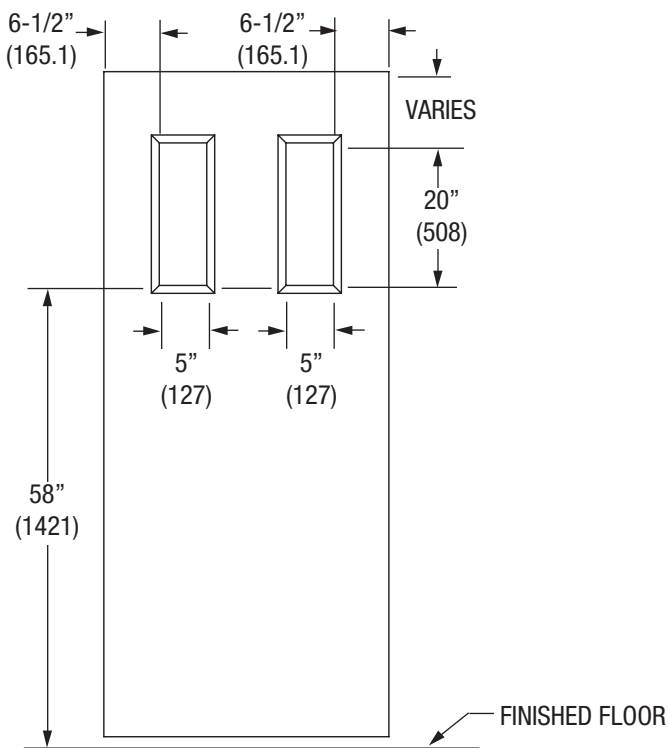
March, 2014

FRP Window Moulding



*** 2FNV4**

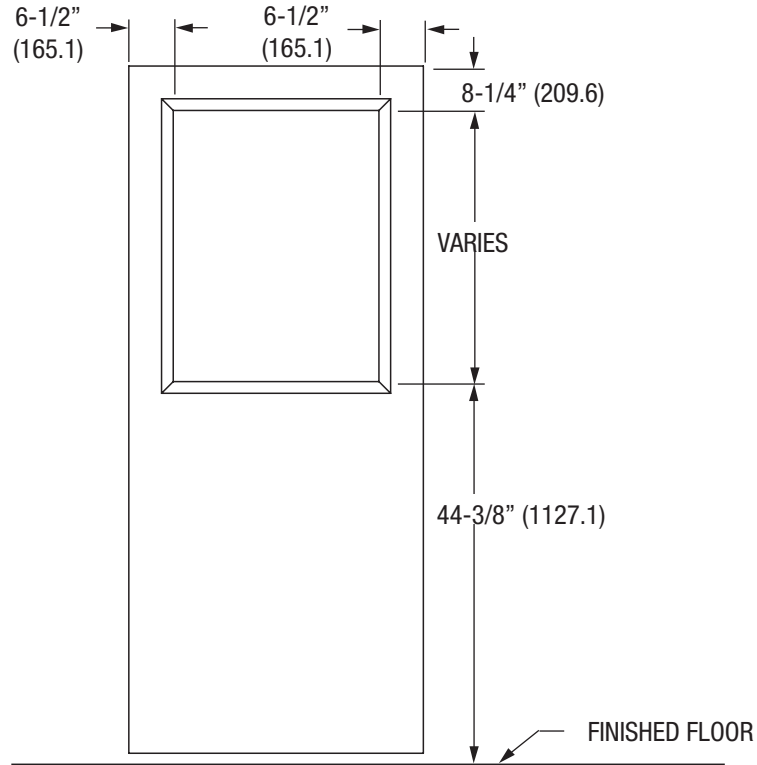
*** 2FNV5**



*** 2FNV6**

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

FRP Window Moulding



HG

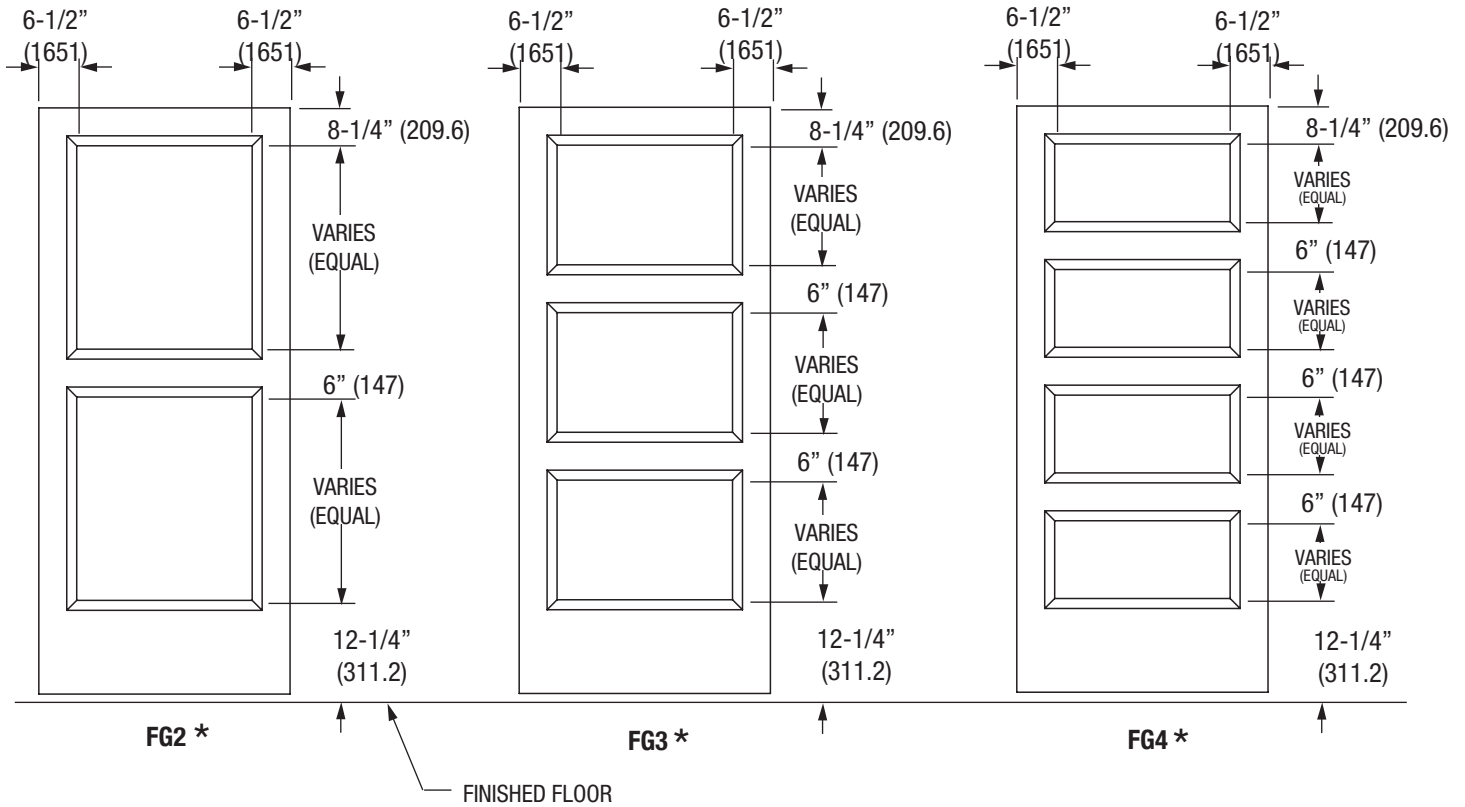
DOOR WIDTH	VISIBLE WIDTH	DOOR HEIGHT	VISIBLE HEIGHT
2'0" (609.6)	10-13/16" (274.6)		
2'4" (711.2)	14-13/16" (376.2)		
2'6" (762)	16-13/16" (427.0)	6'8" (2032)	27-1/4" (692.1)
2'8" (812.8)	18-13/16" (477.8)		
2'10" (863.6)	20-13/16" (528.6)		
3'0" (914.4)	22-13/16" (579.4)	7'0" (2133.6)	31-1/4" (793.8)
3'4" (1016)	26-13/16" (681.0)		
3'6" (1066.8)	28-13/16" (757.2)		
3'8" (1117.6)	30-13/16" (782.6)	7'2" (2184.4)	33-1/4" (844.6)
3'10" (1168.4)	32-13/16" (833.4)		
4'0" (1219.2)	34-13/16" (884.2)		

NOTE: FOR DOORS OVER 7'2" (2184.4) UP TO AND INCLUDING 8'0" (2438.4) STILE AND RAIL DIMENSIONS SHOWN ARE MAINTAINED. OVER 44" (1117.6) VISIBLE HEIGHT IS CONSIDERED A FG DOOR.

March, 2014



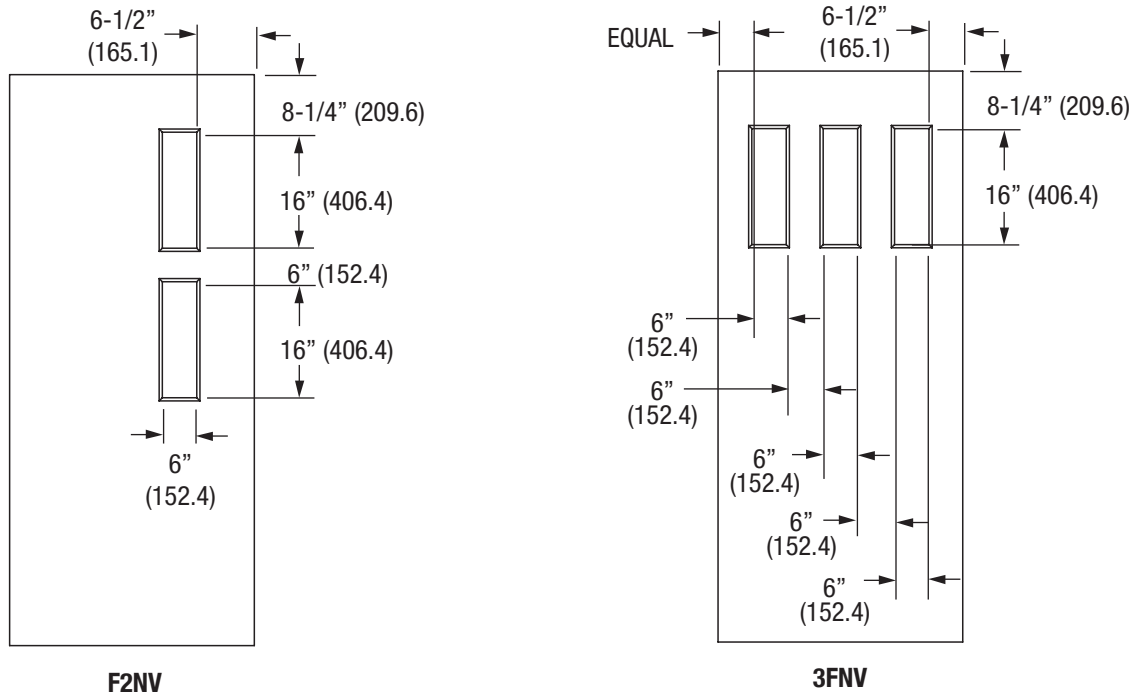
FRP Window Moulding



FG2		FG3		FG4			
DOOR WIDTH	VISIBLE WIDTH	DOOR HEIGHT	VISIBLE HEIGHT	DOOR HEIGHT	VISIBLE HEIGHT	DOOR HEIGHT	VISIBLE HEIGHT
2'0" (609.6)	10-13/16" (274.6)						
2'4" (711.2)	14-13/16" (376.2)						
2'6" (762)	16-13/16" (427.0)	6'8" (2032)	26-11/16" (653.8)	6'8" (2032)	15-13/16" (401.6)	6'8" (2032)	10-3/8" (263.5)
2'8" (812.8)	18-13/16" (477.8)						
2'10" (863.6)	20-13/16" (528.6)						
3'0" (914.4)	22-13/16" (579.4)	7'0" (2133.6)	28-11/16" (702.8)	7'0" (2133.6)	17-1/8" (435)	7'0" (2133.6)	11-3/8" (288.9)
3'4" (1016)	26-13/16" (681.0)						
3'6" (1066.8)	28-13/16" (757.2)						
3'8" (1117.6)	30-13/16" (782.6)	7'2" (2184.4)	29-11/16" (727.3)	7'2" (2184.4)	15-13/16" (401.6)	7'2" (2184.4)	11-7/8" (301.6)
3'10" (1168.4)	32-13/16" (833.4)						
4'0" (1219.2)	34-13/16" (884.2)						

NOTE: FOR DOORS OVER 7'2" (2184.4) UP TO AND INCLUDING 8'0" (2438.4) STILE AND RAIL DIMENSIONS SHOWN ARE MAINTAINED.

FRP Window Moulding

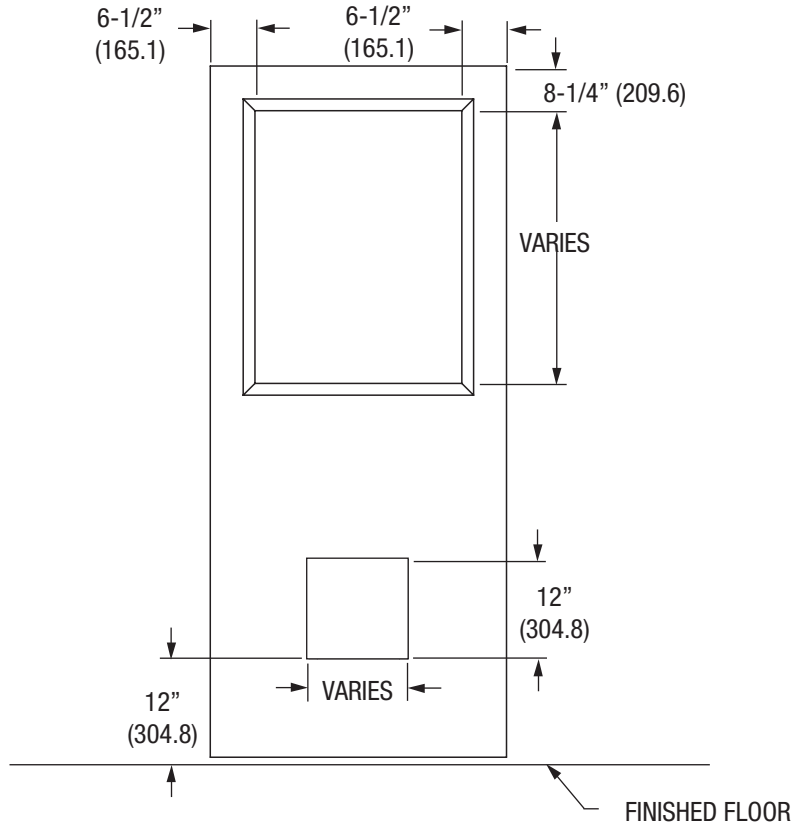


DOOR WIDTH FOR 3FNV MUST BE AT LEAST 3'7" (1092.2) WIDE!

March, 2014



FRP Window Moulding



HGL

HG = HALF GLASS STANDARDS

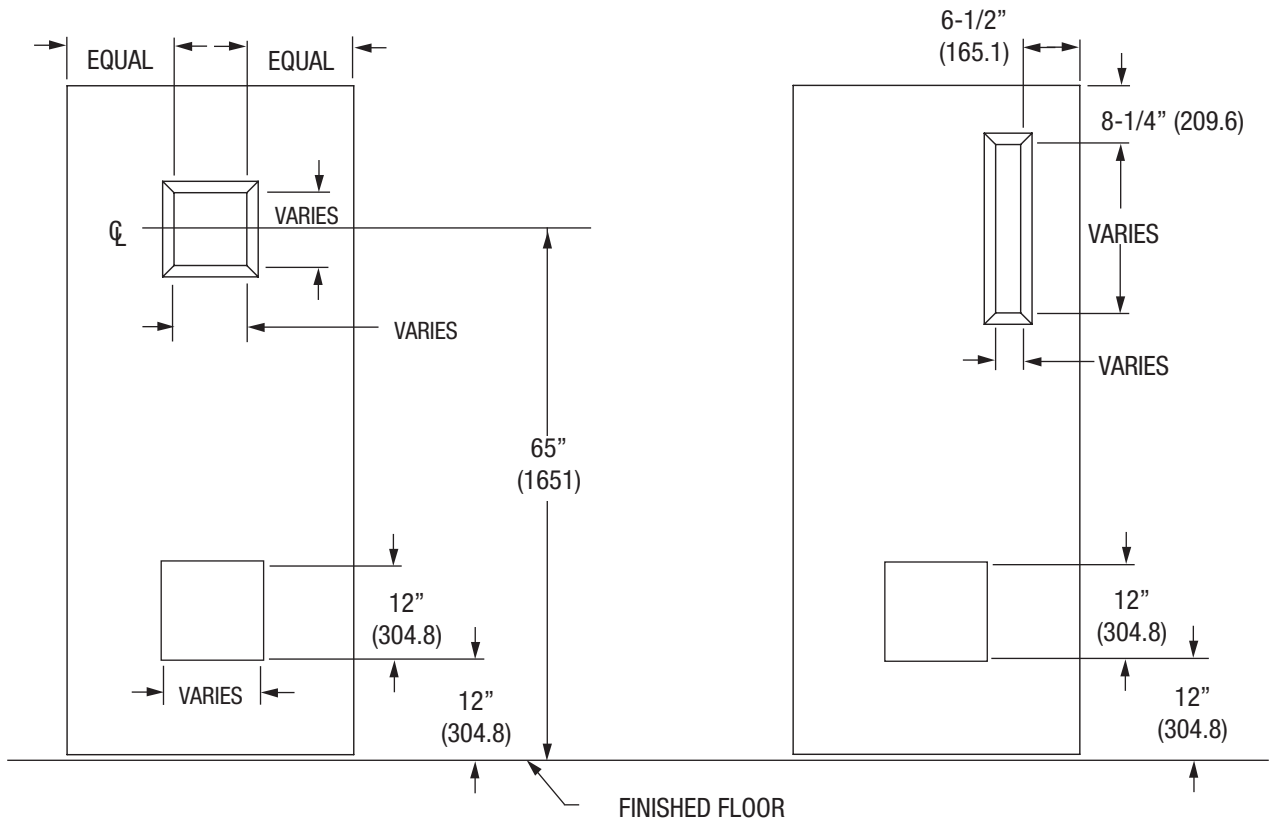
L = LOUVER STANDARDS

EXAMPLE: HGL 2
 WINDOW PANE-HALF GLASS
 18" X 12" (457 X 305) LOUVER

PROVIDE CUTOUT ONLY SIZE FOR LOUVERS



FRP Window Moulding



FVL

- FV = FULL VISION STANDARDS
- L = LOUVER STANDARDS

FNVL

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

EXAMPLE: **FV112**
 12" X 12" (305 X 305) FULL VISION LITE ←
 18" X 12" (457 X 305) LOUVER ←

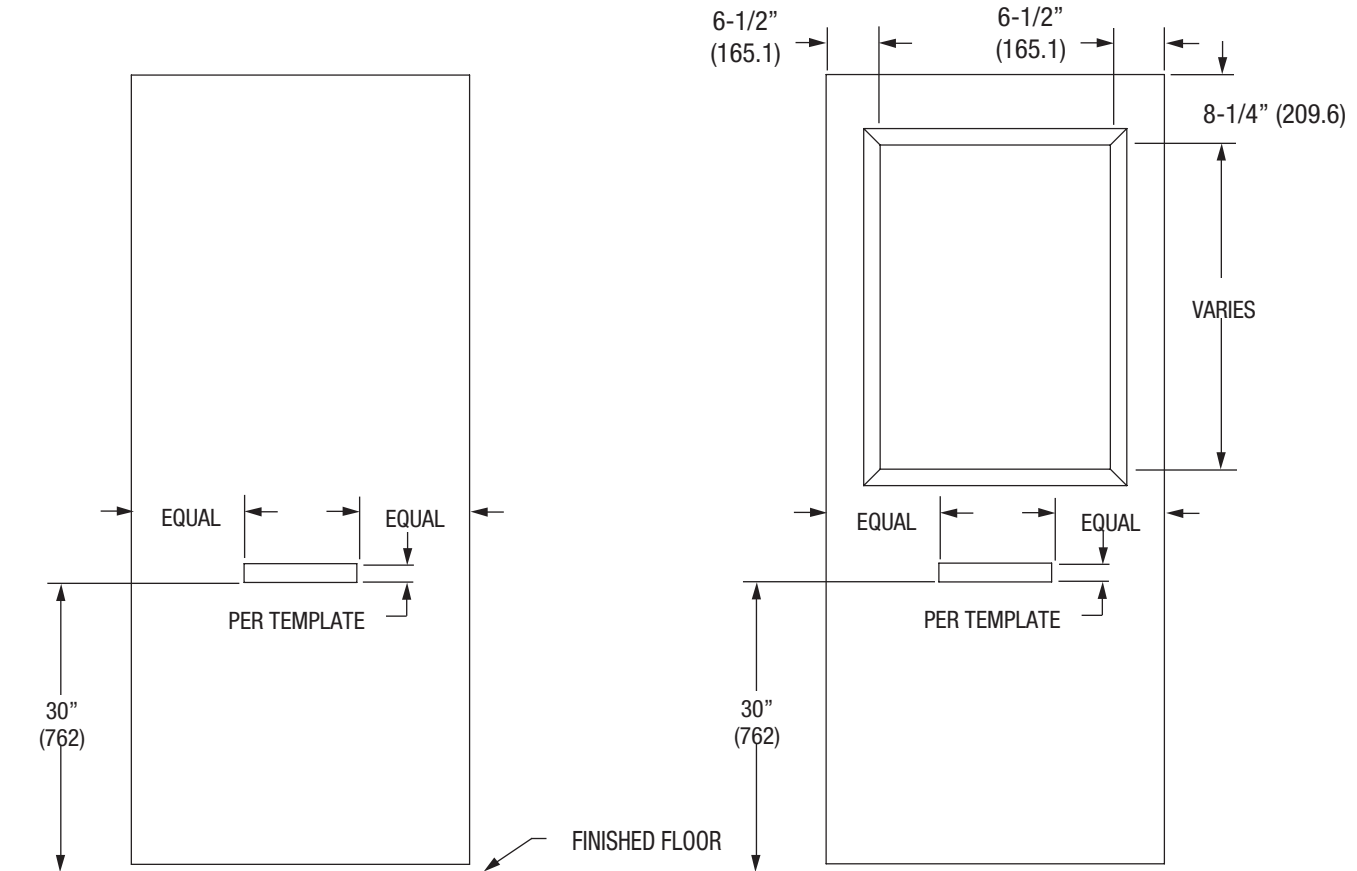
EXAMPLE: **FNVL12**
 6" X 36" (152 X 914) NARROW VISION LITE ←
 18" X 12" (457 X 305) LOUVER ←

PROVIDE CUTOUT ONLY SIZE FOR LOUVERS

March, 2014



FRP Window Moulding

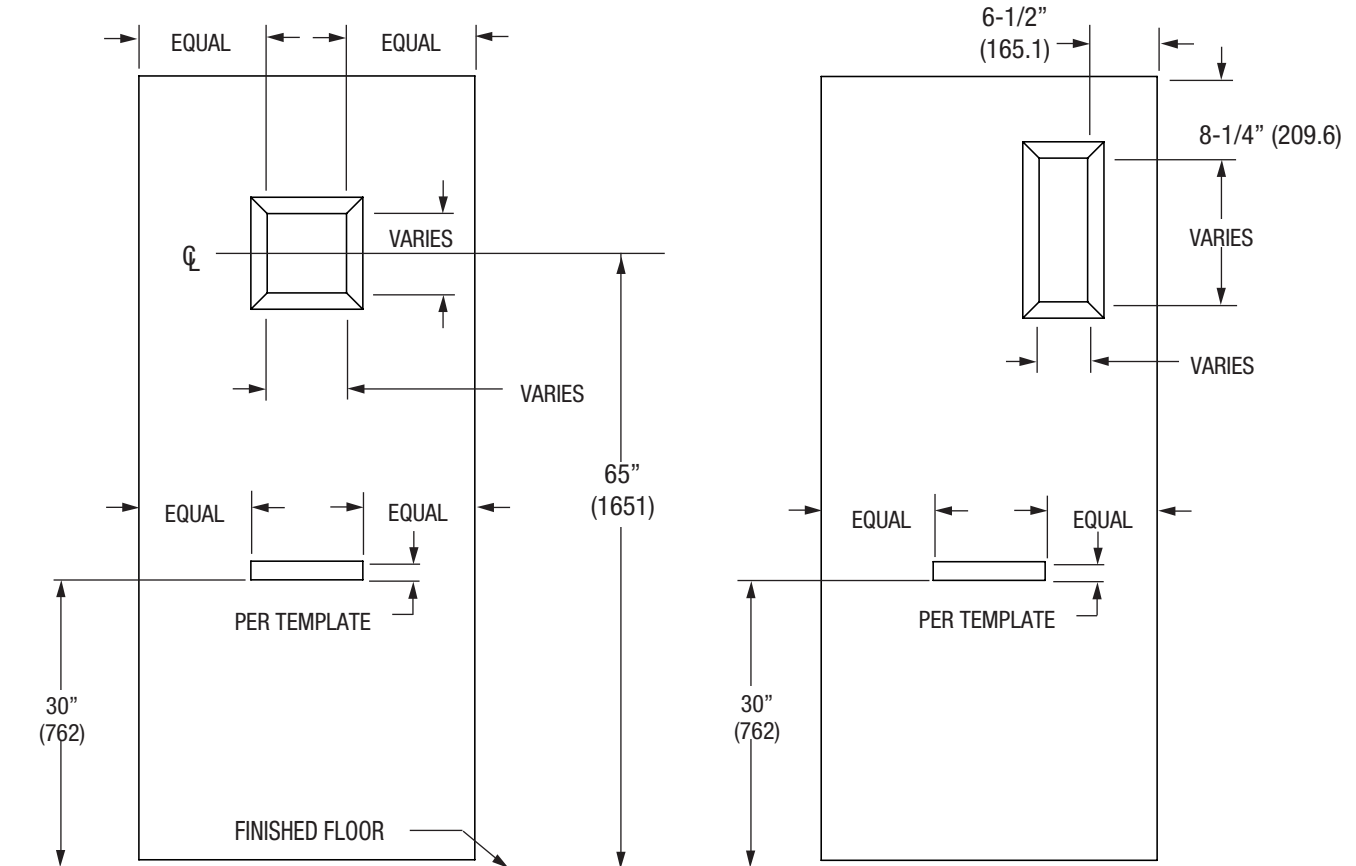


FMS
FMS = FLUSH MAIL SLOT

HGMS
HG = HALF GLASS STANDARDS
MS = MAIL SLOT

EXAMPLE: **HG3MS**
(3) WINDOW PANE-HALF GLASS ←
MAIL SLOT ←

FRP Window Moulding



FVMS

FV = FULL VISION STANDARDS
MS = MAIL SLOT

FNVMS

FNV = FULL NARROW VISION STANDARDS
MS = MAIL SLOT

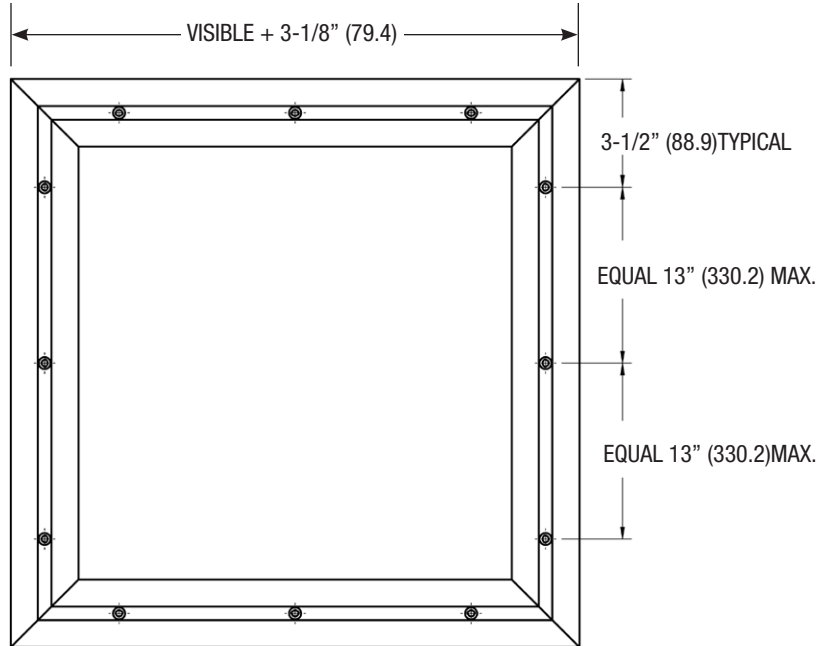
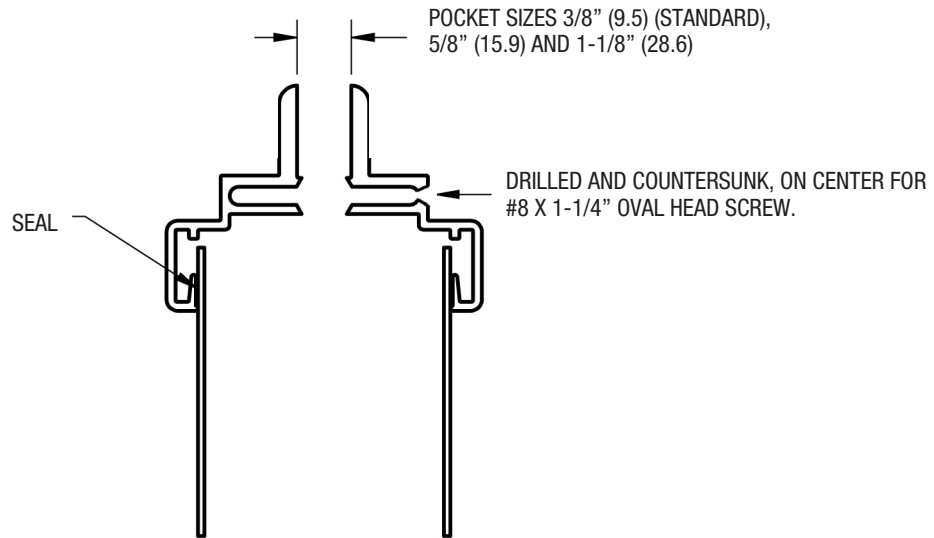
FVMS	10" (254) X 10" (254)
FV1MS	12" (304.8) X 12" (304.8)

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

November, 2014



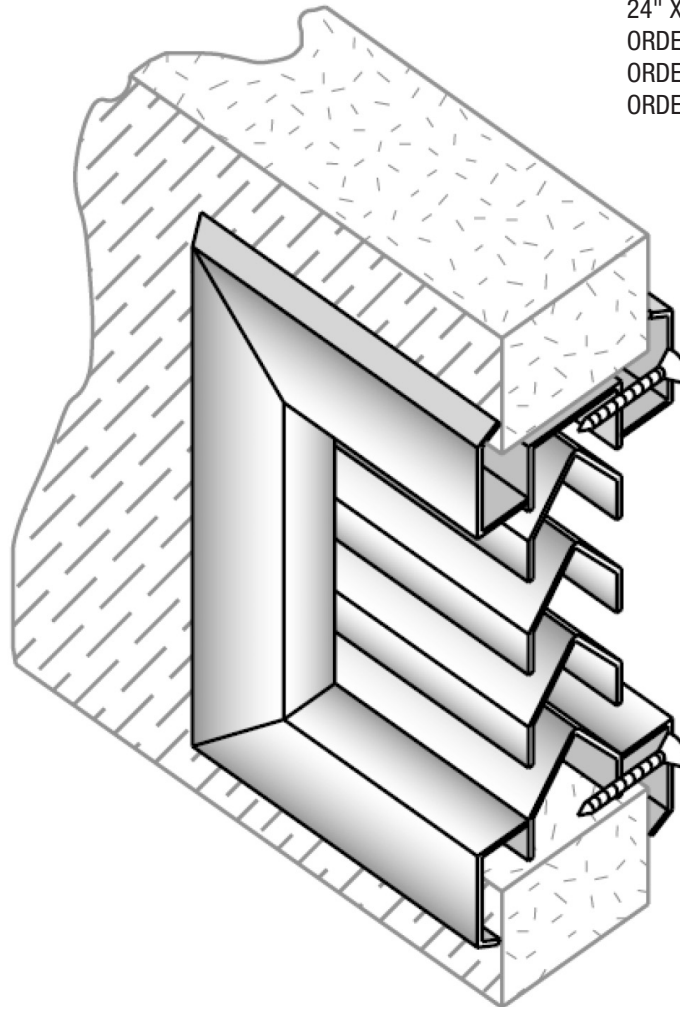
FRP Aluminum Window Moulding



NOTE: GLASS SIZE IS 1" (25.4) LARGER THAN VISIBLE
CUTOUT IS 2-1/8" (21.2) LARGER THAN VISIBLE



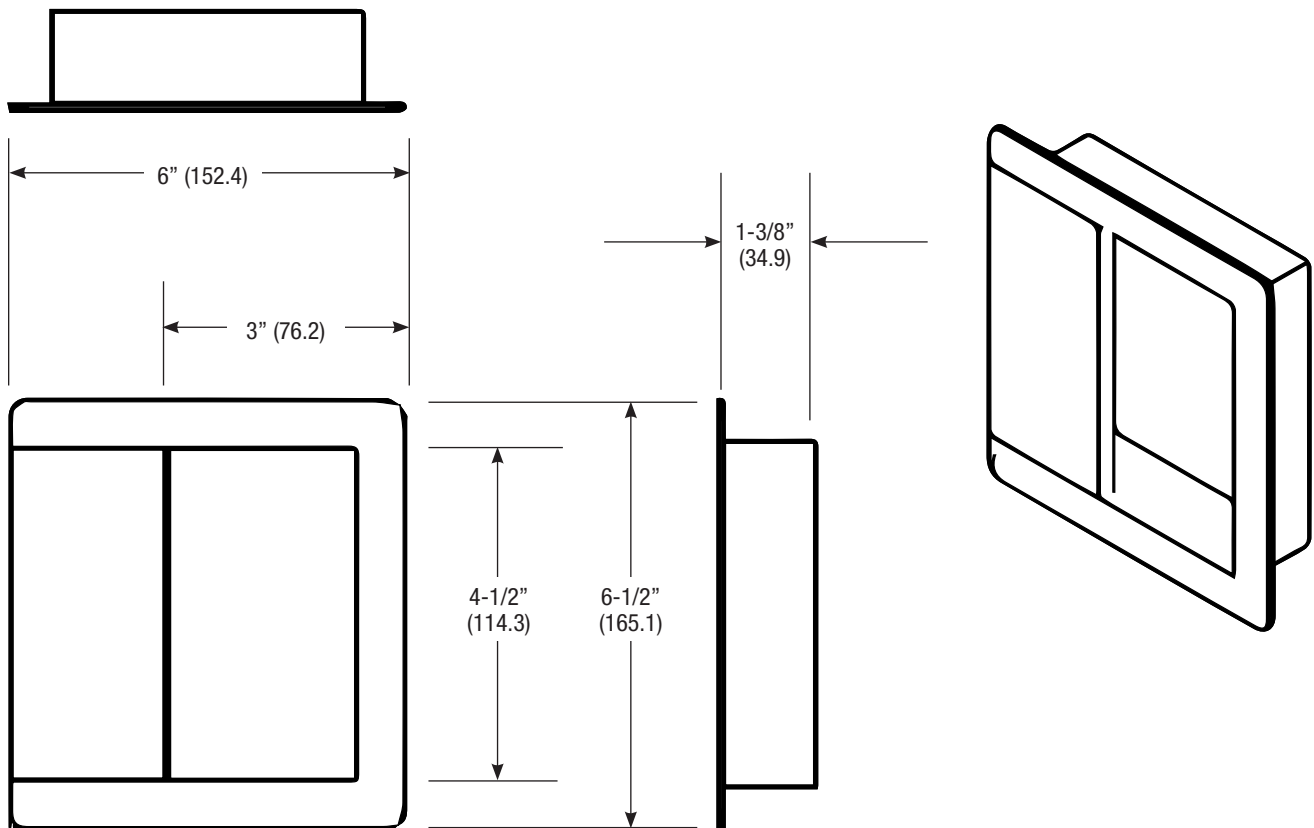
SIZES:
12" X 12"
24" X 24"
ORDER SIZE = CUTOUT SIZE
ORDER SIZE +7/8" = OUTSIDE FRAME DIMENSION
ORDER SIZE -1-3/8" = INSIDE FRAME DIMENSION



CLEAR FINISH ONLY

ALUMINUM FRP LOUVER FOR 1-3/4" DOORS PROVIDE
50% FREE AIR FLOW WHILE FASTENING TO ONE SIDE TO ENSURE SECURITY.

April, 2015

**ORDER CODE: FPM9**

CLEAR AND DARK FINISH ONLY

FLUSH PULL IS THROUGH BOLTED TO OTHER FACE OF DOOR WITH 18-8 STAINLESS STEEL 6-LOBE TAMPER RESISTANT FLATHEAD SCREWS WITH A STAINLESS STEEL COUNTERSUNK FINISHING WASHER.

NFPA 80, Fire Doors and Windows, 2010 Edition, requires that all doors and frames be prepared under an inspection service.

We are often asked, "What can we do to ensure that we have properly installed the fire door?" We have listed a number of checks, based on NFPA 80, that should provide you with information to determine if the installation meets the proper installation requirements of NFPA 80 and thus should meet the requirements of your local code authority.

1. All components of the opening must have a certification or mark to identify it as a fire rated component. This identification **MUST** be applied at the point of manufacture. Field labeling of any component by anyone other than the inspection agency shall void the label.
2. The lowest rating of any component determines the rating of the total assembly. (i.e. If a 1 hour door is installed in a 20 minute frame, the maximum rating for the total assembly would be 20 minutes.)
3. The clearance between the door and the frame and between meeting edges of doors swinging in pairs shall not exceed 1/8 in. The clearance between the bottom of the door and a raised noncombustible sill shall not exceed 3/8 in. Where there is no sill, the maximum clearance between the bottom of the door and the floor shall not exceed 3/4 in.
4. Latchsets must have a minimum throw of 1/2 in. NFPA 80 Table 2-4.4.3 states that the latch throw for pairs must be 3/4 in. unless testing allows a lesser throw. The certification label on the door should state what minimum throw is needed. All latchsets must be rated.
5. Hinges are covered in Table 2-4.3.1 of NFPA 80. Two hinges are required for a 60 in. high door and one additional hinge is required for each additional 30 inches or fraction thereof. The size and thickness of the hinges are covered in the table.
6. Closers attached to mineral or composite core doors may be attached with screws.
7. All frames must be fully machined before the certification label is applied. This means that wood frames must be machined for hinges and strike under an inspection service. Metal frames are usually prepared at the manufacturing plant and do not require further preparation. Frames must be properly installed per the manufacturer's installation instructions to maintain the proper rating of the label. It is very important that the proper attachment be used and the placing of the fasteners conform to the manufacturer's instructions. An improper installation can void the certification label on the frame. Any field preparation will void the certification label.
8. The 2010 version of the NFPA 80 has been modified to now require that new wood fire doors have the glazing and light kit installed at the door manufacturer or under that manufacturer's label service. This ensures that all components of the glazed assembly in the new wood door have been properly installed per the manufacturer's follow up service procedure. (A4.4.3.1)
9. Fire doors equipped with automatic louvers shall be used only for protecting openings in required enclosures where the opening is not in a means of egress or otherwise located so that products of combustion flowing through the opening could jeopardize the use of exits prior to the operation of the louver. Twenty minute fire rated doors, when used as smoke and draft control doors, may not have louvers.
10. For category B doors, a Category G listed intumescent is required to be field applied to the frame rabbets. Intumescent is also required on the meeting edge of one leaf of a door pair.
11. Certification labels are attached at the point of manufacture or under an inspection service and must not be removed or replaced except by authorized representatives of the inspection agency. Labels shall be applied in locations that are readily visible and convenient for identification. This is usually on the hinge stile of the door at eye level.

September, 2017

**FIRE RATING:**

- 20 MINUTE WARNOCK HERSEY FIRE LISTING
- TEMPERATURE RISE 250°F MAXIMUM AT 20 MINUTES
- UL10C (POSITIVE PRESSURE) CATEGORY "B" REQUIREMENTS
- REQUIRES CATEGORY G LISTED INTUMESCENT ON FRAME RABBETS (BY OTHERS)
- REQUIRES CATEGORY G LISTED INTUMESCENT ON MEETING EDGE OF ONE LEAF OF A DOOR PAIR (BY OTHERS)
- FOR USE IN ANY LISTED FIRE DOOR FRAME
- NOMINAL WIDTH 2'0" THROUGH 4'0"
- NOMINAL HEIGHT 6'0" THROUGH 8'0"
- THICKNESS 1-3/4"
- SINGLE SWING; STANDARD SWING PAIRS; DOUBLE EGRESS
- HOLLOW METAL OR HARDWARE MULLIONS ALLOWED
- BLOCKING IS NOT NEEDED FOR CLOSERS OR LOCKS

CONSTRUCTION:**CONSTRUCTION GRADE:**

- PERFORMANCE: WDMA/AWS - EXTRA HEAVY DUTY

COMPLIANCE:

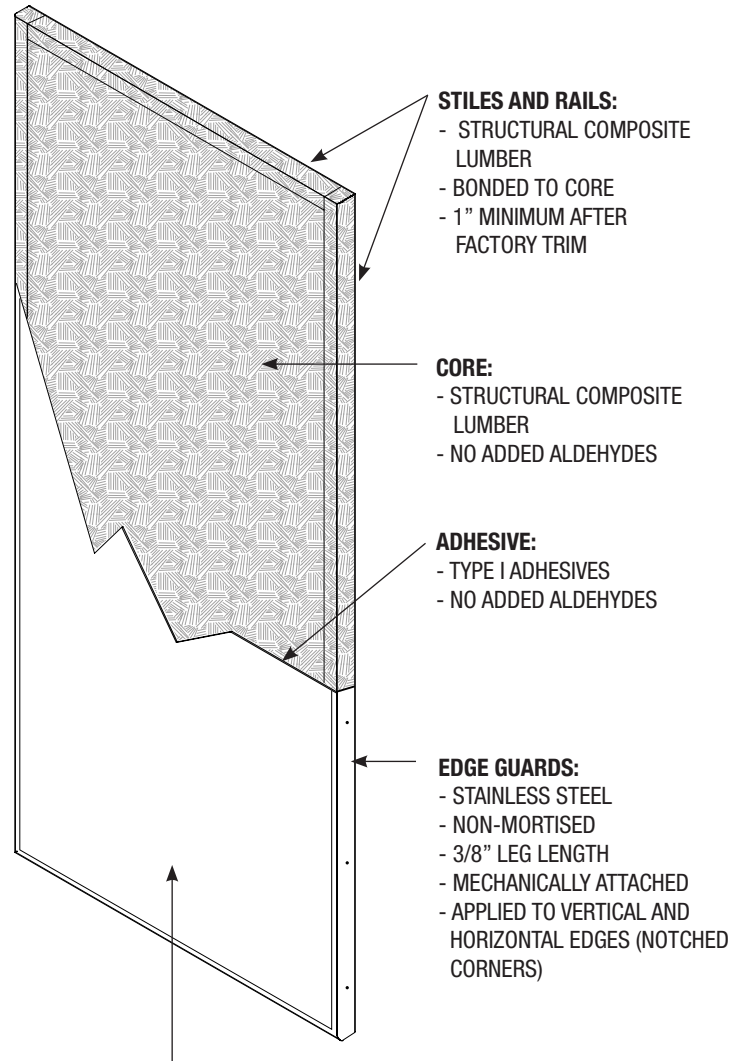
- CALIFORNIA AIR RESOURCES BOARD (CARB ATCM 93120)

MACHINING CAPABILITIES AND LIMITATIONS:**LITES:**

- 18 GAUGE STAINLESS STEEL VISION KIT WITH BRUSHED FINISH
- LISTED GLAZING INSTALLED PER MANUFACTURER'S INSTRUCTIONS
- MAXIMUM AREA, CLEAR VIEW: 1296 SQ IN.
- MAXIMUM HEIGHT, CLEAR VIEW: 54 IN.
- MAXIMUM WIDTH, CLEAR VIEW: 36 IN.
- LITE CUTOUT TO EDGE OF DOOR OR OTHER LITE CUTOUT, MINIMUM: 4 IN.
- LITE CUTOUT TO HARDWARE CUTOUT, MINIMUM: 1-1/2 IN.

LOUVERS**PLANT-ONS****PROTECTIVE PLATES****HARDWARE:**

- HARDWARE LISTED FOR USE WITH COMPOSITE CORE DOOR
- WIDE RANGE OF CAPABILITIES INCLUDES:
 - HINGES
 - LATCHSETS
 - FIRE EXIT DEVICES
 - BOLTS
 - AUTOMATIC FLUSH BOLTS
 - CLOSERS
 - DOOR BOTTOMS
 - VIEWERS
 - ELECTRIC RACEWAYS

**STILES AND RAILS:**

- STRUCTURAL COMPOSITE LUMBER
- BONDED TO CORE
- 1" MINIMUM AFTER FACTORY TRIM

CORE:

- STRUCTURAL COMPOSITE LUMBER
- NO ADDED ALDEHYDES

ADHESIVE:

- TYPE I ADHESIVES
- NO ADDED ALDEHYDES

EDGE GUARDS:

- STAINLESS STEEL
- NON-MORTISED
- 3/8" LEG LENGTH
- MECHANICALLY ATTACHED
- APPLIED TO VERTICAL AND HORIZONTAL EDGES (NOTCHED CORNERS)

PEBBLE (TEXTURED) EMBOSSED FACES AVAILABLE IN 9 COLORS AND 2 CLASSES:**COLORS:****PEBBLE TEXTURE**

- BLACK
- DARK GRAY
- LIGHT GRAY
- TAN
- COLONIAL BLUE
- WHITE
- DARK BRONZE

CLASSES:

- CLASS C: UV PROTECTION
- CLASS A: IMPROVED FLAME SPREAD

WARRANTY APPLIES TO INTERIOR APPLICATIONS ONLY

**FIRE RATING:**

- 45, 60, 90 MINUTE WARNOCK HERSEY FIRE LISTING
- TEMPERATURE RISE 250°F MAXIMUM AT 30 MINUTES WHERE LITES DO NOT EXCEED 100 SQ. IN.
- UL10C (POSITIVE PRESSURE) CATEGORY "B" REQUIREMENTS
- REQUIRES CATEGORY G LISTED INTUMESCENT ON FRAME RABBETS (BY OTHERS)
- REQUIRES CATEGORY G LISTED INTUMESCENT ON MEETING EDGE OF ONE LEAF OF A DOOR PAIR (BY OTHERS)
- FOR USE IN ANY CATEGORY C LISTED FIRE DOOR FRAME
- NOMINAL WIDTH 2'0" THROUGH 4'0"
- NOMINAL HEIGHT 6'0" THROUGH 8'0"
- THICKNESS 1-3/4"
- SINGLE SWING; STANDARD SWING PAIRS (THREE POINT LATCHING REQUIRED)
- HOLLOW METAL OR HARDWARE MULLIONS ALLOWED
- BLOCKING IS NOT NEEDED FOR CLOSER

CONSTRUCTION:**PERFORMANCE:**

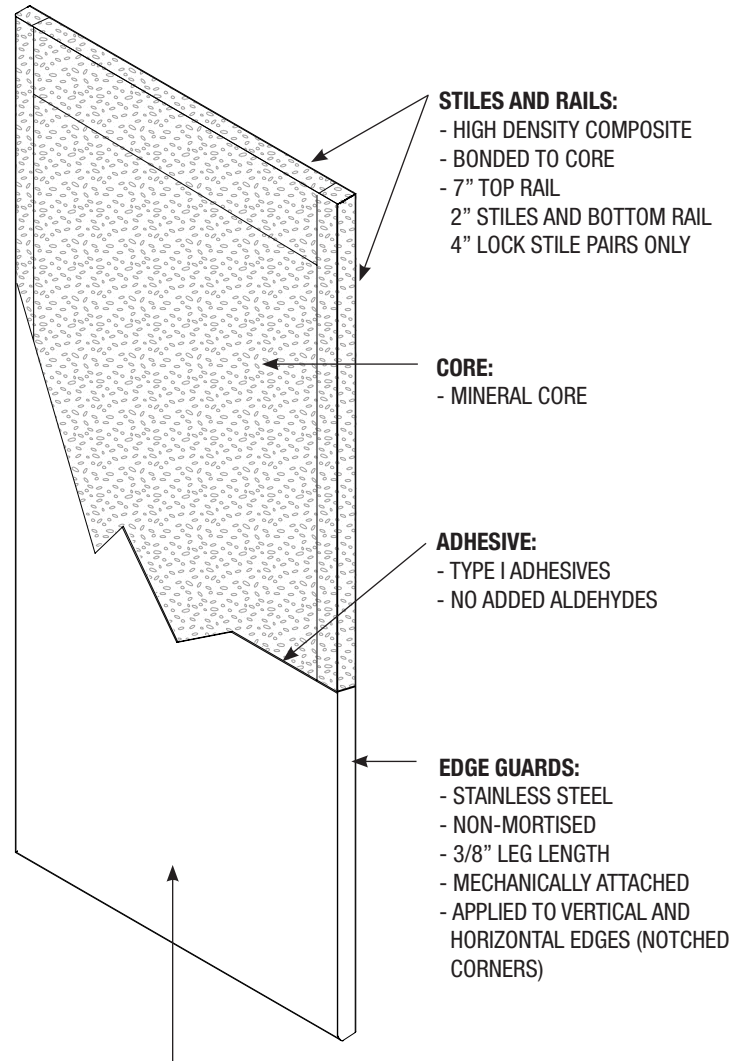
- WDMA TM-7 CYCLE-SLAM 1 MILLION CYCLES

MACHINING CAPABILITIES AND LIMITATIONS:**LITES:**

- 18 GAUGE STAINLESS STEEL VISION KIT WITH BRUSHED FINISH
- LISTED GLAZING INSTALLED PER MANUFACTURER'S INSTRUCTIONS
- MAXIMUM AREA, CLEAR VIEW:
 - 45, 60, MINUTE: 2880 SQ IN.; 90 MINUTE: 1296 SQ. IN.
- MAXIMUM HEIGHT, CLEAR VIEW: 45, 60 MINUTE: 80 IN.; 90 MINUTE: 54 IN.
- MAXIMUM WIDTH, CLEAR VIEW: 36 IN.
- LITE CUTOUT TO EDGE OF DOOR OR OTHER LITE CUTOUT, MINIMUM: 5 IN.
- LITE CUTOUT TO STILE AND RAILS: MINIMUM: 2 IN.

LOUVERS**PLANT-ONS****PROTECTIVE PLATES****HARDWARE:**

- HARDWARE LISTED FOR USE WITH COMPOSITE CORE DOOR
- WIDE RANGE OF CAPABILITIES INCLUDES:
 - HINGES
 - LATCHSETS
 - FIRE EXIT DEVICES
 - BOLTS
 - CLOSERS
 - SURFACE APPLIED DOOR BOTTOMS
 - VIEWERS
 - ELECTRIC RACEWAYS

**STILES AND RAILS:**

- HIGH DENSITY COMPOSITE
- BONDED TO CORE
- 7" TOP RAIL
- 2" STILES AND BOTTOM RAIL
- 4" LOCK STILE PAIRS ONLY

CORE:

- MINERAL CORE

ADHESIVE:

- TYPE I ADHESIVES
- NO ADDED ALDEHYDES

EDGE GUARDS:

- STAINLESS STEEL
- NON-MORTISED
- 3/8" LEG LENGTH
- MECHANICALLY ATTACHED
- APPLIED TO VERTICAL AND HORIZONTAL EDGES (NOTCHED CORNERS)

PEBBLE (TEXTURED) EMBOSSED FACES AVAILABLE IN 9 COLORS AND 2 CLASSES:**COLORS:**

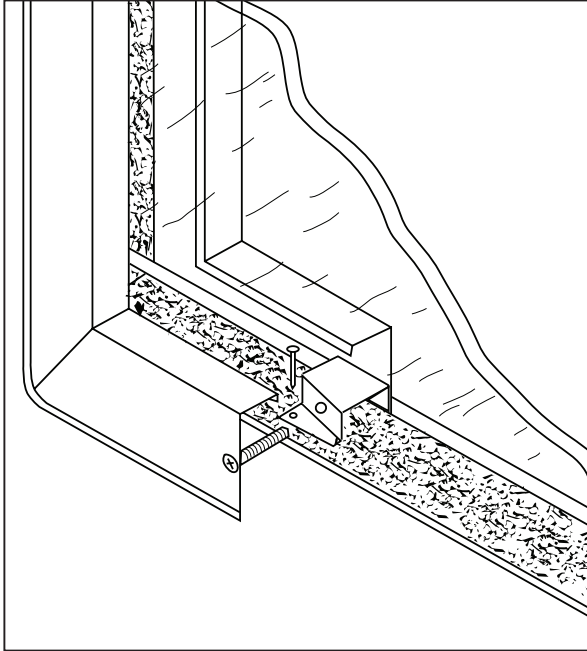
- BLACK
- DARK GRAY
- LIGHT GRAY
- TAN
- COLONIAL BLUE
- WHITE
- DARK BRONZE

CLASSES:

- CLASS C: UV PROTECTION
- CLASS A: IMPROVED FLAME SPREAD

WARRANTY APPLIES TO INTERIOR APPLICATIONS ONLY

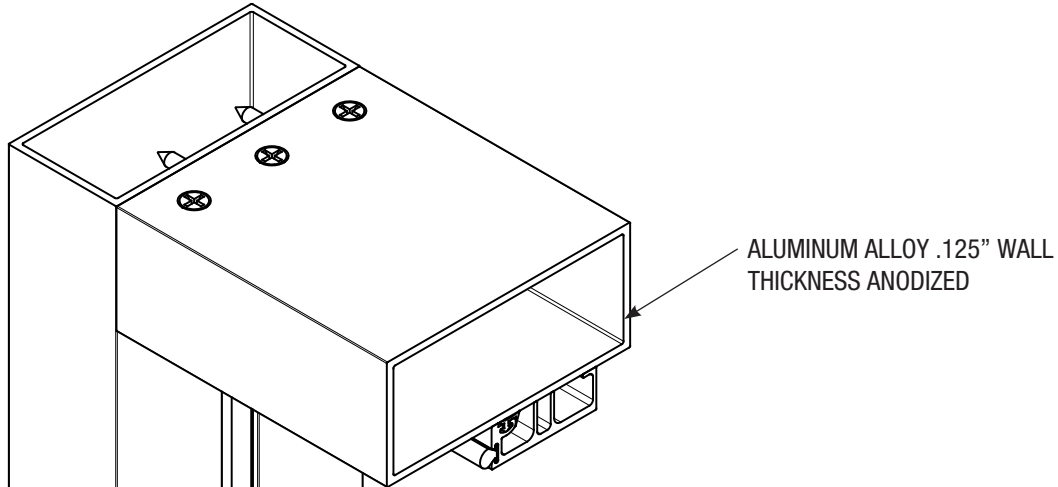
September, 2015

**FIRE RATED METAL VISION PANEL**

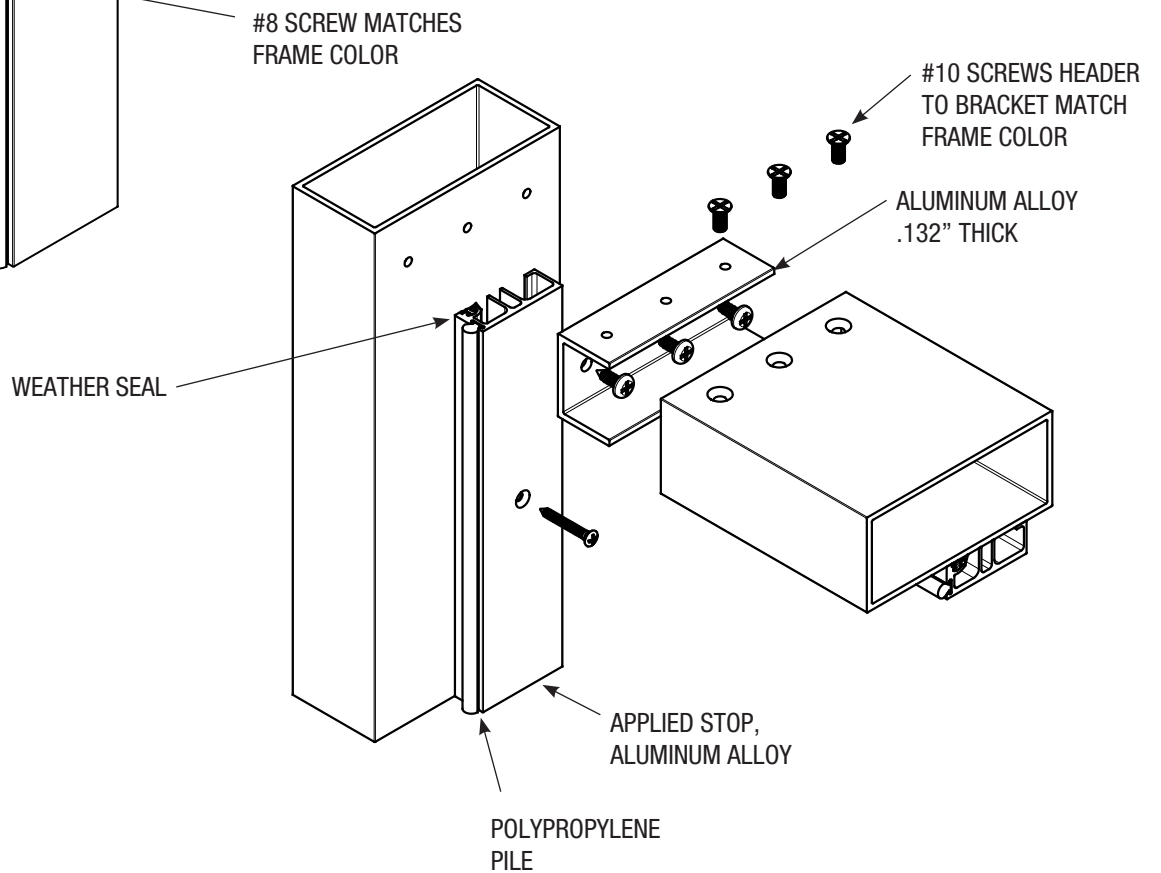
1. All Metal Stamping, Inc. Model 110 Metal Vision Frame with rounded, welded corners
2. 18 gauge #304 stainless steel with brushed finish
3. UL and WH listed for 20, 45, 60 and 90 minute positive pressure applications
4. Low profile for hardware clearance
5. Pocket widths 3/8" min to 1-1/8" max
6. Tamper resistant screws optional
7. Fire rated metal vision panels will be factory installed
8. Order Sizes
 - a. Vision frame order size is visible glass size
 - b. Cutout size is visible + 1-1/2" width and height
 - c. Glass size is visible + 3/4" width and height



Corner Detail



Corner Detail

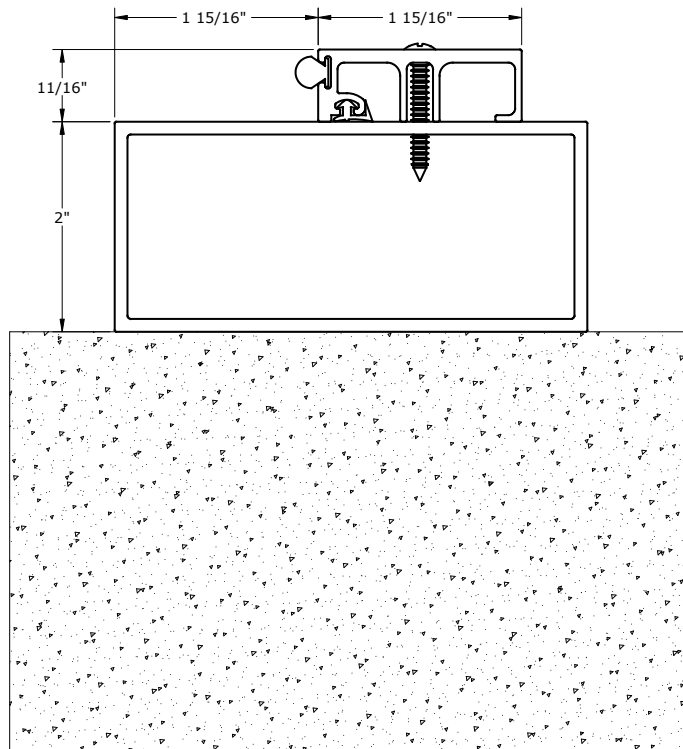
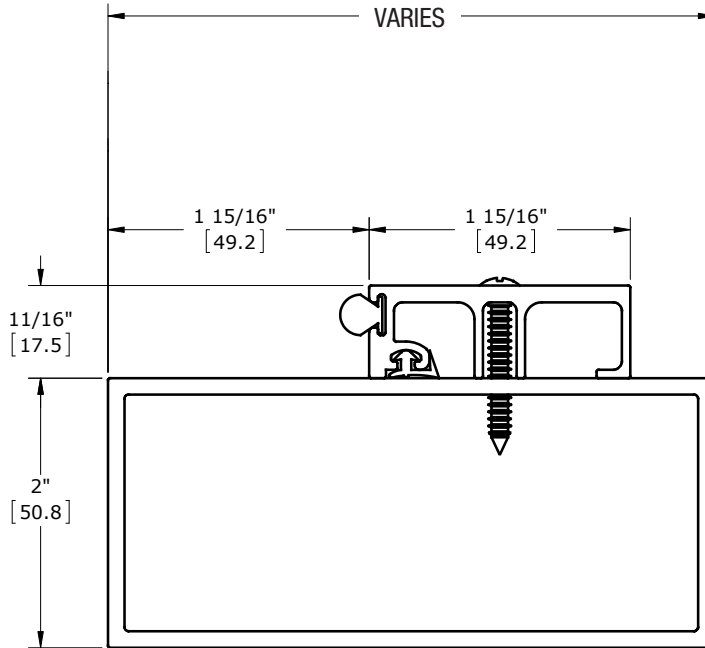


March, 2014

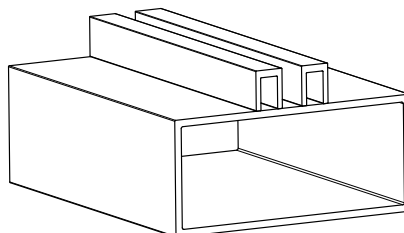
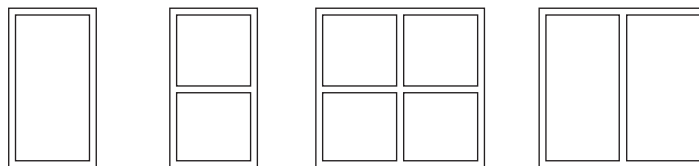
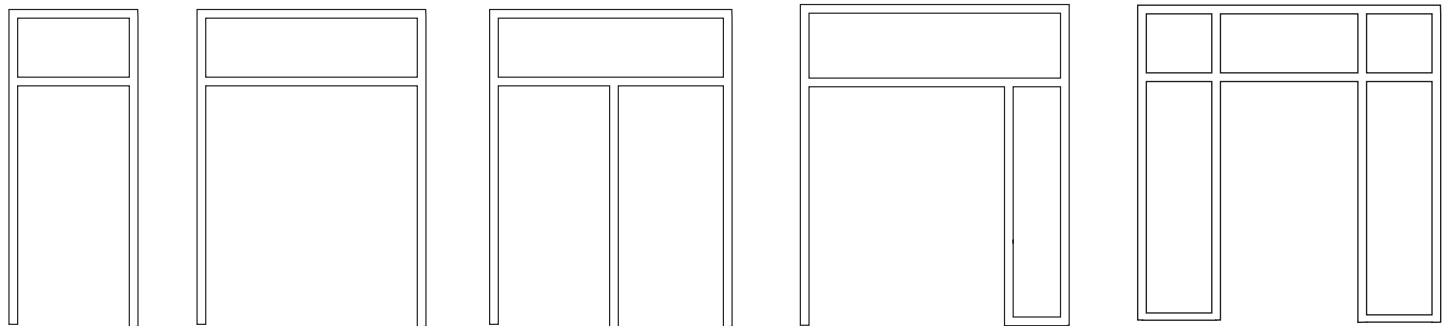
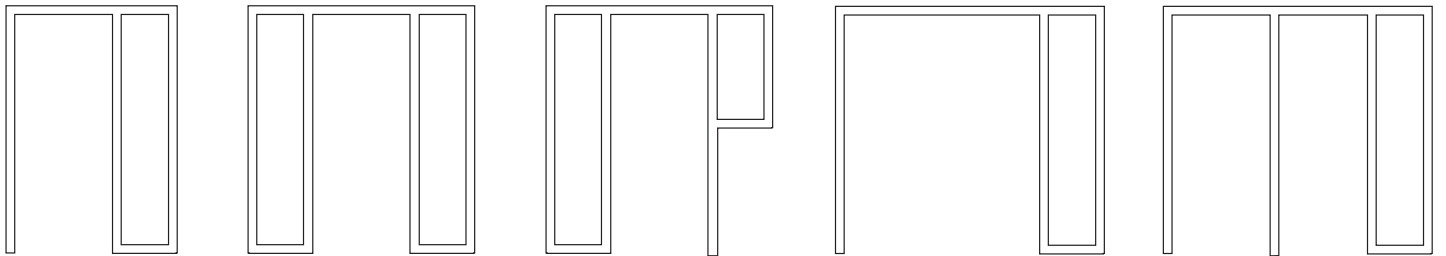


Profile

SIZES AVAILABLE: 4-1/2" (114.3), 5" (127) AND 6" (152.4)



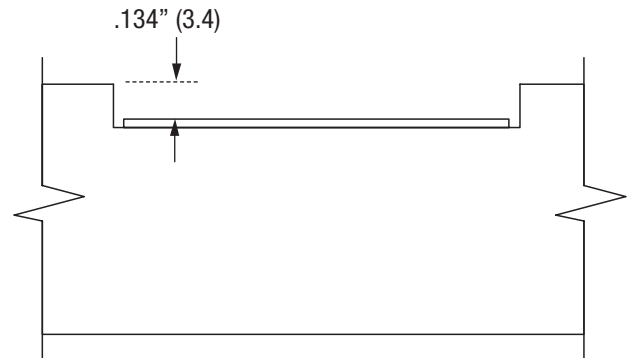
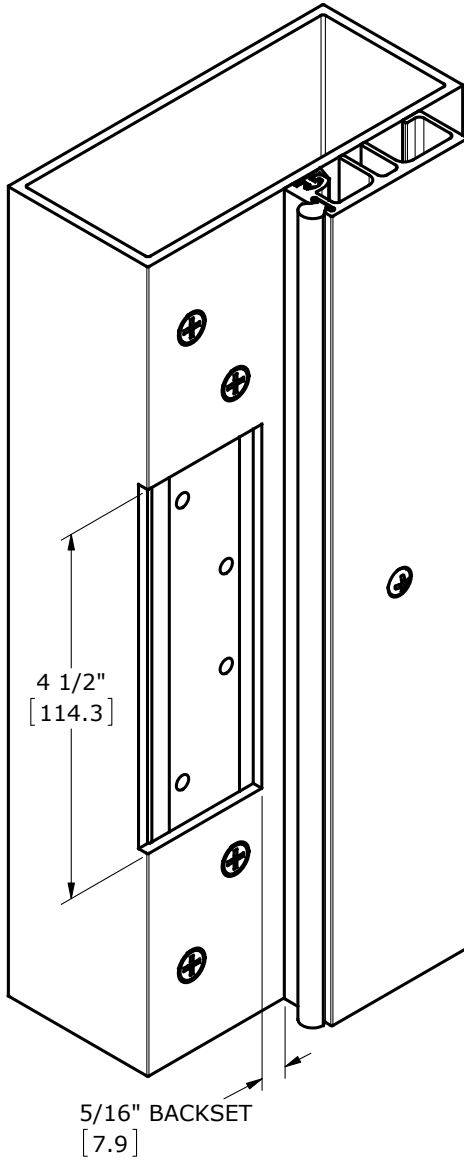
4-1/2" JAMB DEPTH IS AVAILABLE FOR OPENINGS UP TO 10'0"; USEABLE STICK LENGTH IS 10'6".
GLASS STOP CHANNEL IS 11/16" HIGH AND 1/2" WIDE WITH HORIZONTAL PIECES RUN THROUGH,
WITH VERTICAL MEMBERS BUILDING BETWEEN.

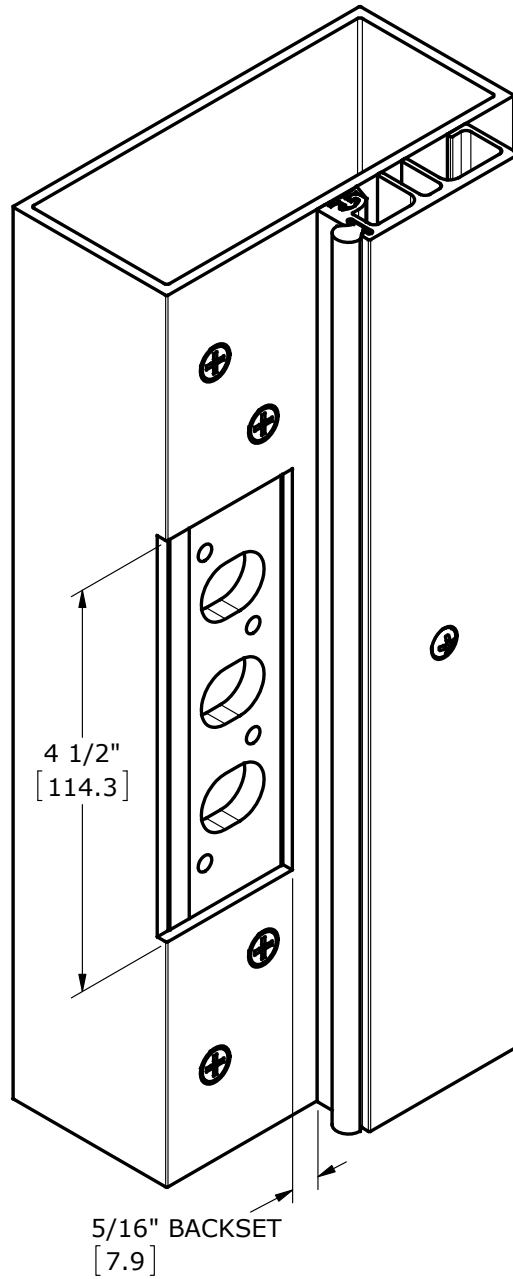


4-1/2" Hinge Reinforcement

FRP Aluminum Frame Technical Data

March, 2014





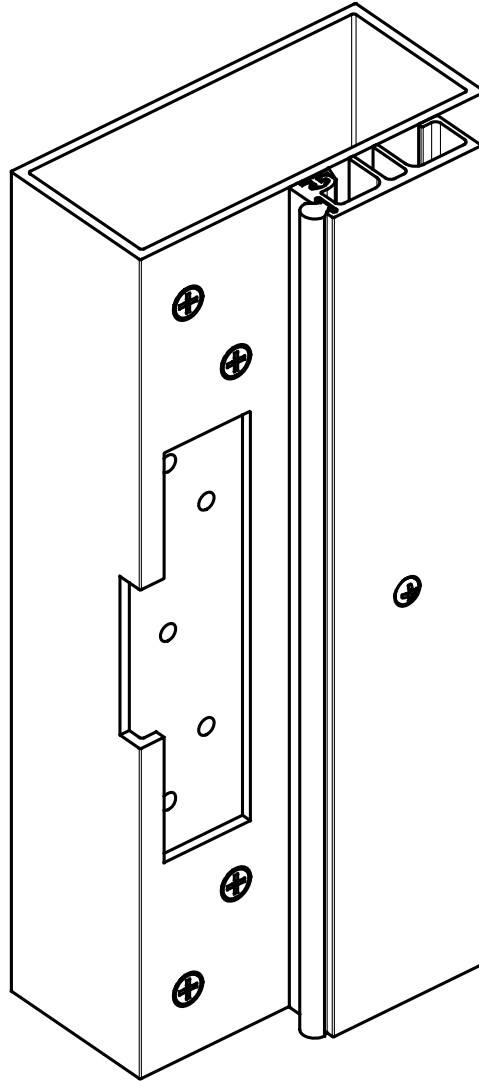
5/8" X 13/16" SLOTS TYPICAL
PER TEMPLATE

46
Frame Pivot - Intermediate - Single Acting

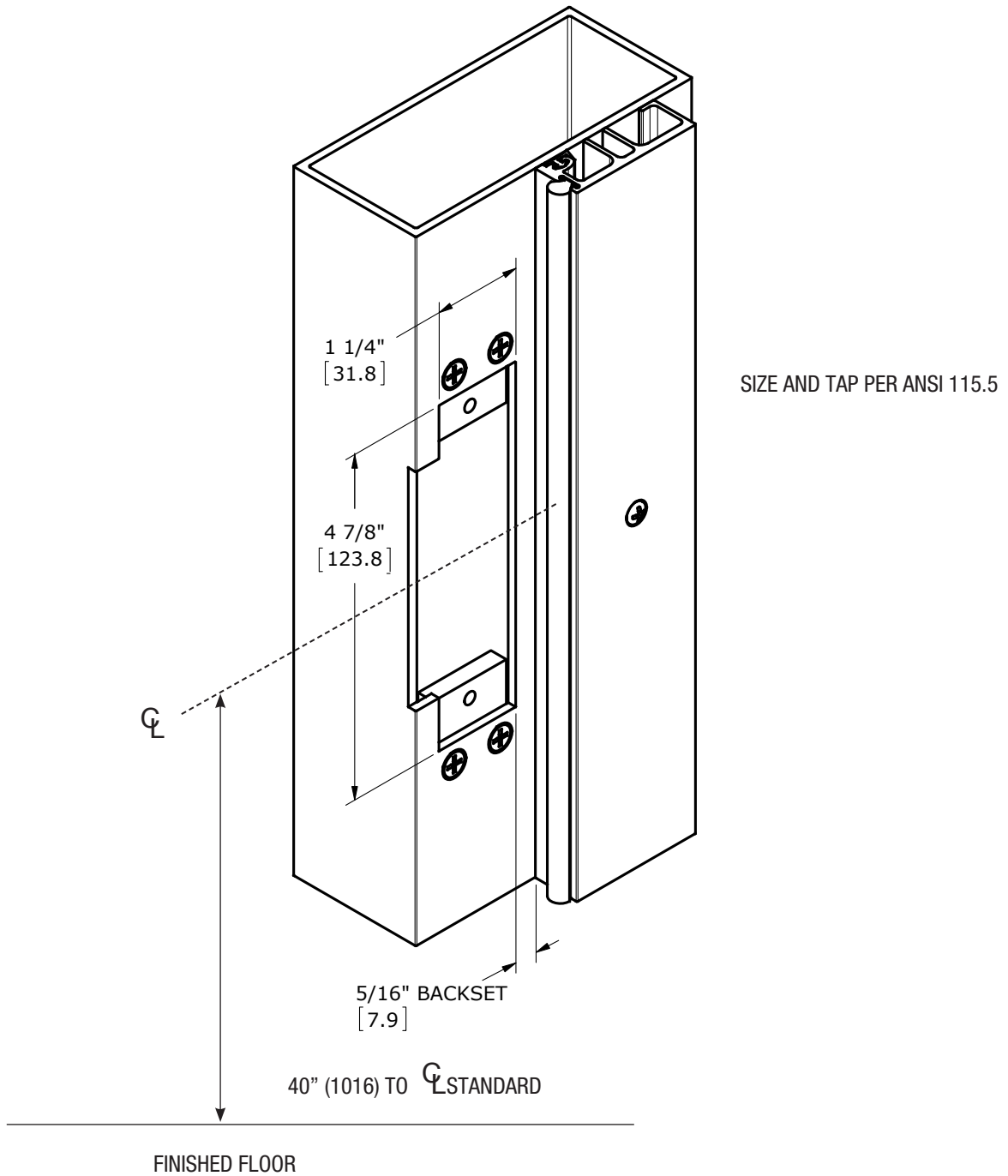
FRP Aluminum Frame Technical Data



March, 2014



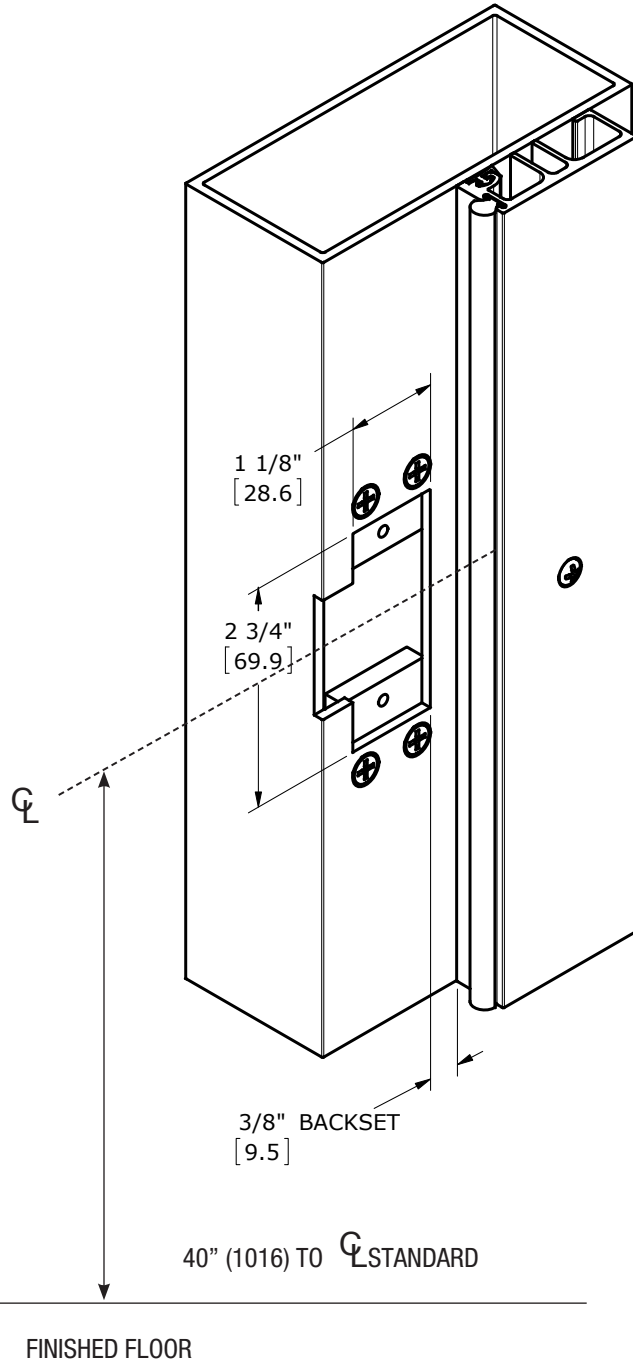
CONFIGURATION OF CUTOUT VARIES PER HARDWARE MFG. TEMPLATE



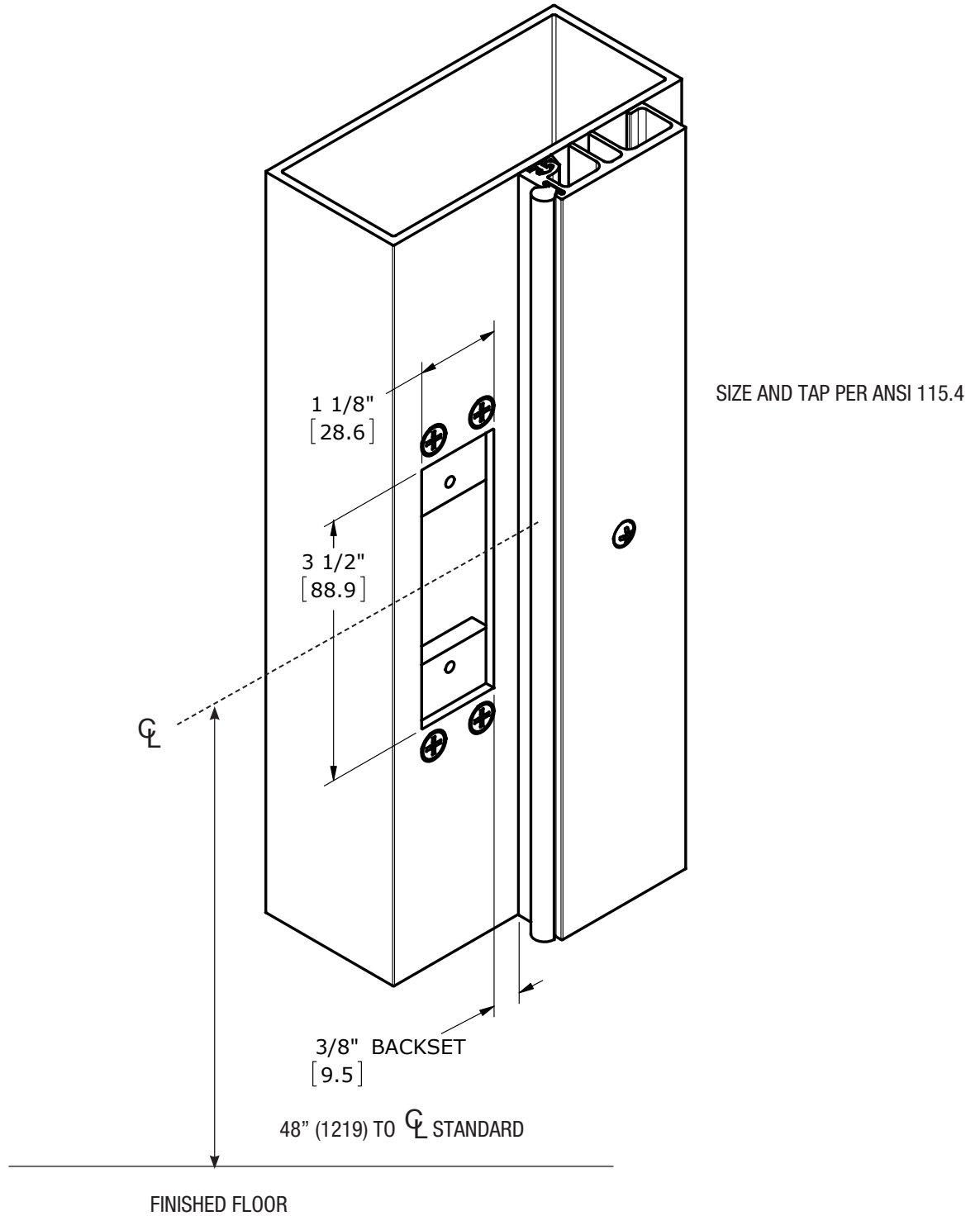
E2 Strike Reinforcement (ANSI A115)

FRP Aluminum Frame Technical Data

March, 2014



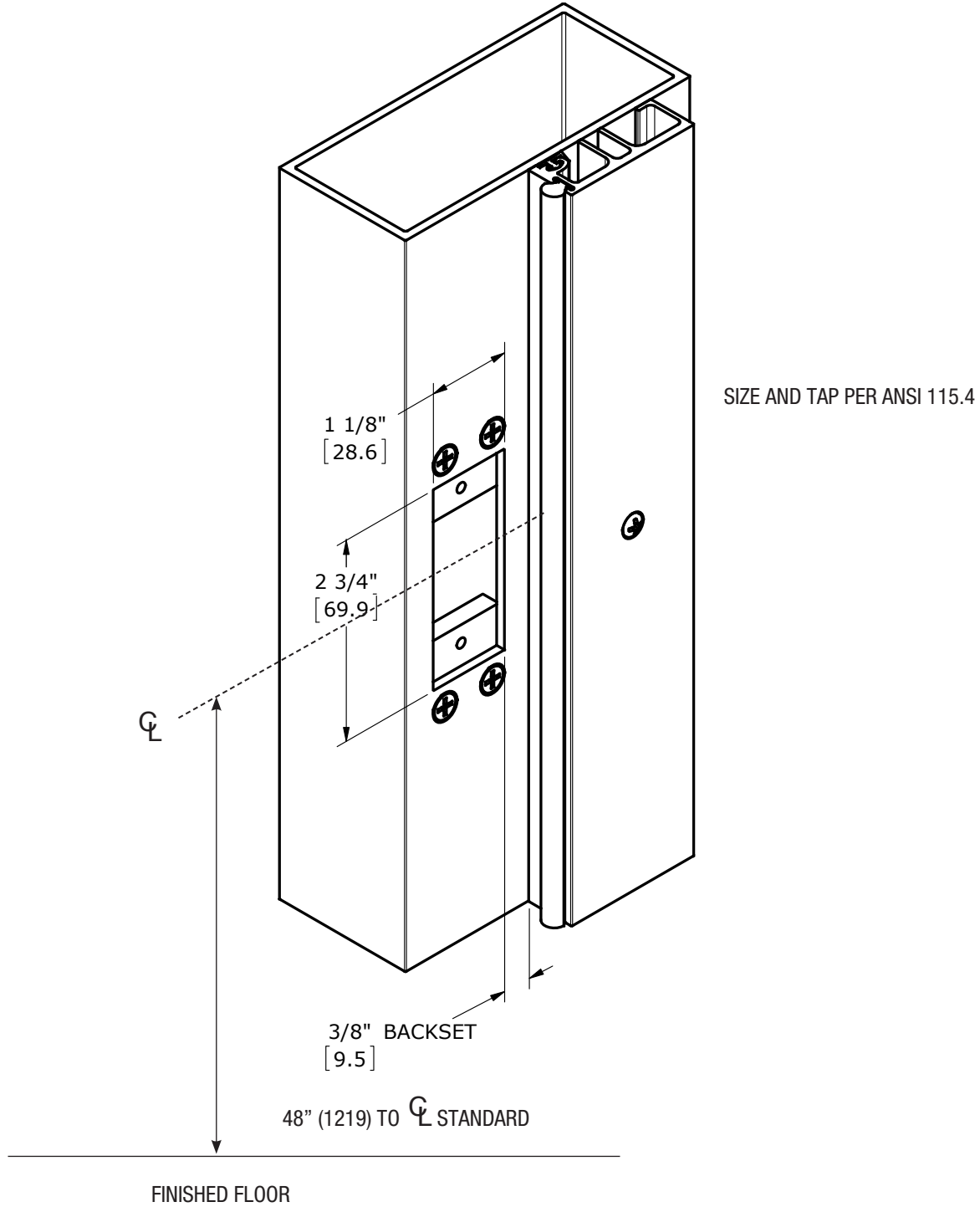
SIZE AND TAP PER ANSI 115.2

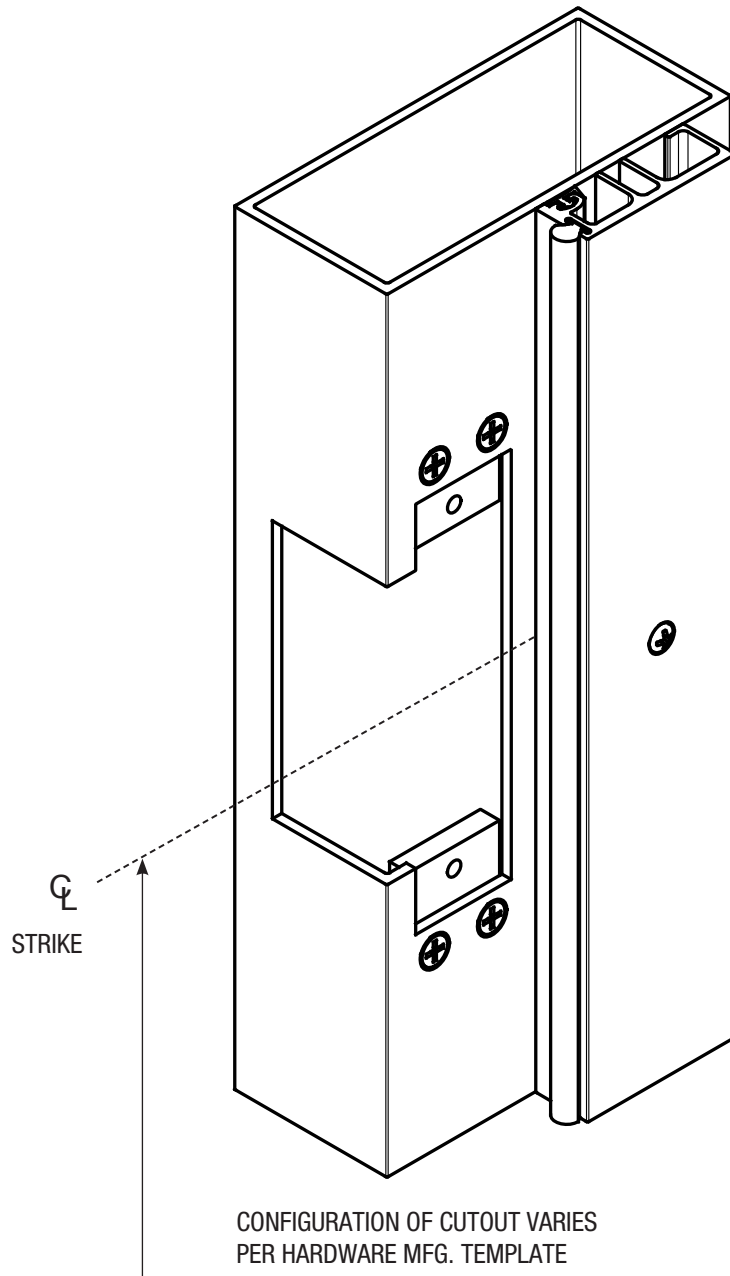


E4 Deadlock Strike (ANSI A115)

FRP Aluminum Frame Technical Data

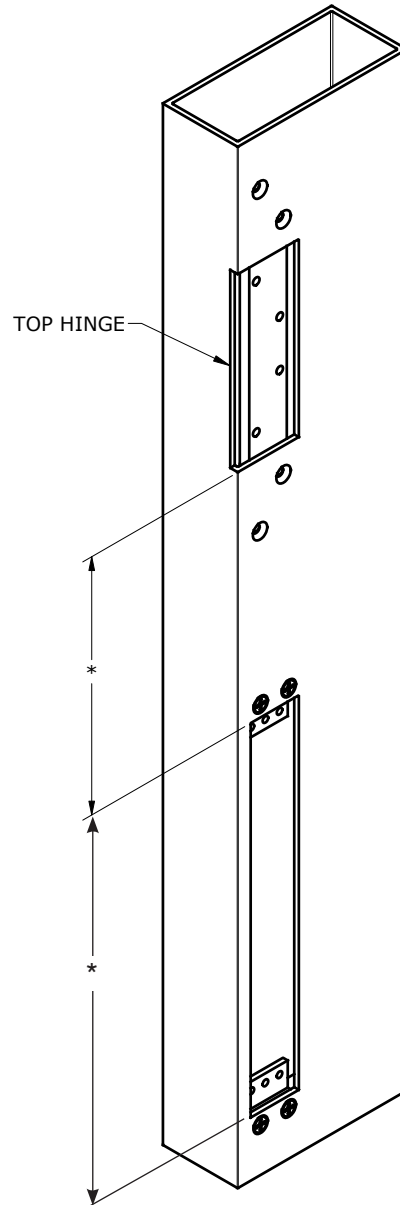
March, 2014





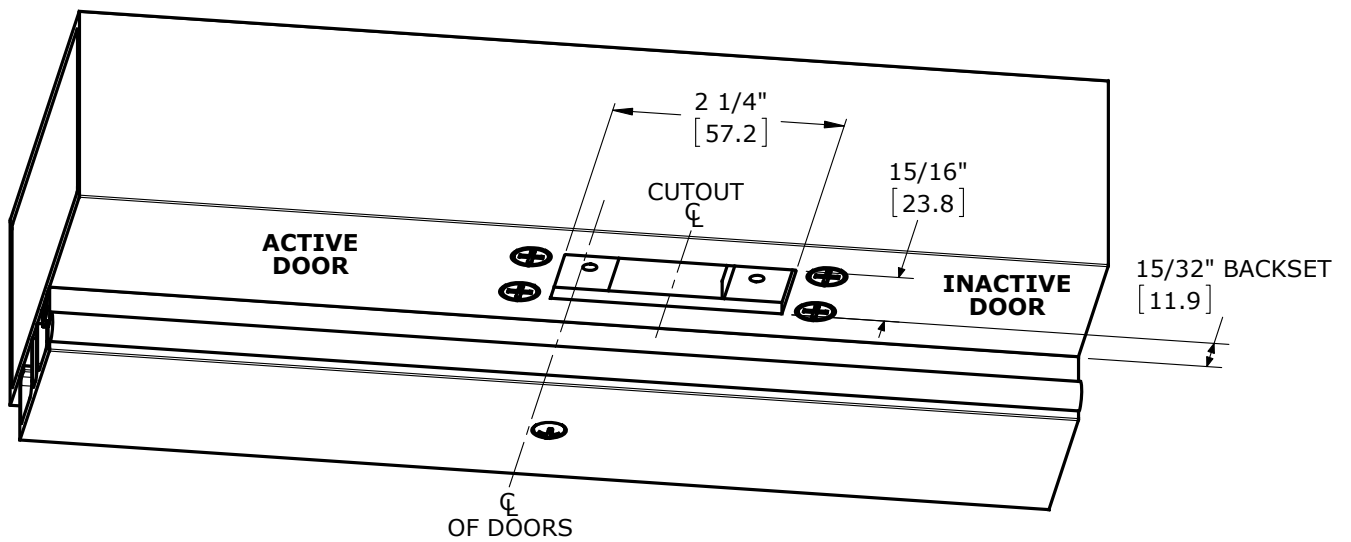
VERTICAL LOCATION OF ELECTRIC STRIKE WILL VARY WITH THE HARDWARE MANUFACTURER, WHEN ORDERING FRAMES PREPARED FOR AN ELECTRIC STRIKE, SPECIFY THE TYPE OF LOCK BEING USED **ALONG WITH CENTERLINE DIMENSION REQUIRED OF THE LOCK.**

March, 2014



* LOCATION PER TEMPLATE. IF NO LOCATION ON TEMPLATE THEN LOCATION MUST BE SPECIFIED WITH ORDER. THE QUANTITY OF HINGES MAY REQUIRE COORDINATION OF LOCATION WITH DOOR, (EX. 4 HINGES ON A 7'0"). WOOD DOORS MAY REQUIRE OTHER LOCATIONS.

CONFIGURATION OF CUTOUT VARIES PER HARDWARE MFG. TEMPLATE

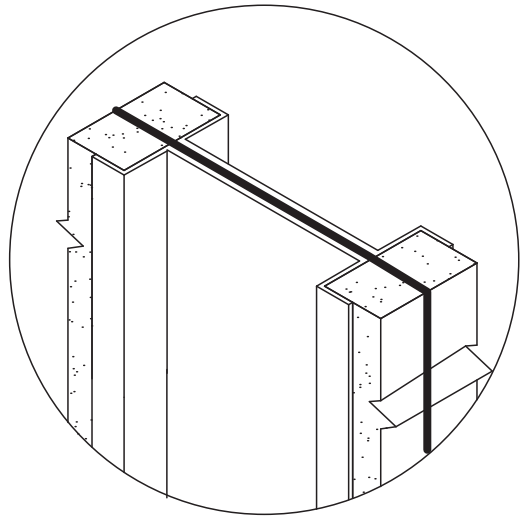


SIZE AND TAP PER ANSI 115.4

March, 2017



7 GA. (4.5) HINGE REINFORCEMENTS
WELDED TO DOOR SKIN



12 GA. (2.6)
CLOSER REINFORCEMENT
(OPTIONAL)

6" (152) MAXIMUM SPACING

16 GA. (1.4) INVERTED
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
REINFORCEMENTS WELDED
TO DOOR SKIN

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

LOCK PREPARATION
AS REQUIRED

LEAD THICKNESS (NON FIRE RATED):

1/32" (.8), 1/16" (1.6), 1/8" (3.2),
3/16" (4.8), 1/4" (6.3)

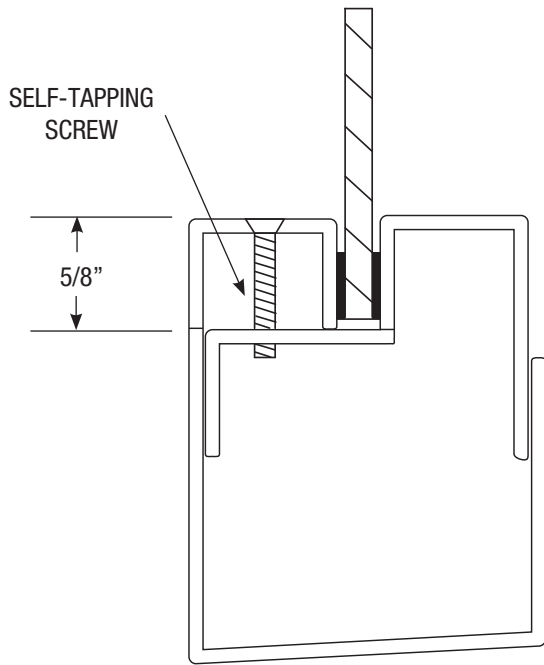
LEAD THICKNESS (FIRE RATED):

1/16" (1.6), 1/8" (3.2), 3/16" (4.8)

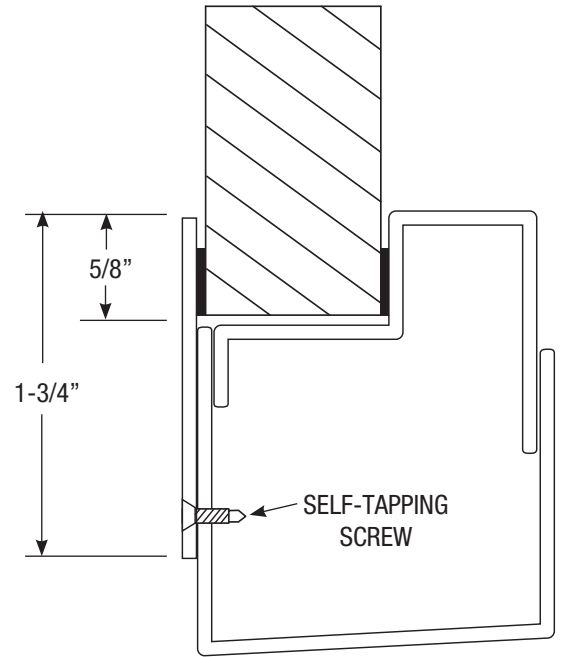
LEAD SPECIFICATION: ASTM B29 AND ASTM B749
REFINED LEAD; 99.9% PURE
LEAD PER FEDERAL SPECIFICATION
QQ-L-201F, TYPE C

ADDITIONAL LEAD THICKNESSES ALSO AVAILABLE.
CONTACT FACTORY FOR DETAILS.

16 GA. (1.4) INVERTED
BOTTOM END CHANNEL



FOR 1/4" TO 5/8"
THICK GLASS



FOR 3/4" TO 1-1/4"
THICK GLASS

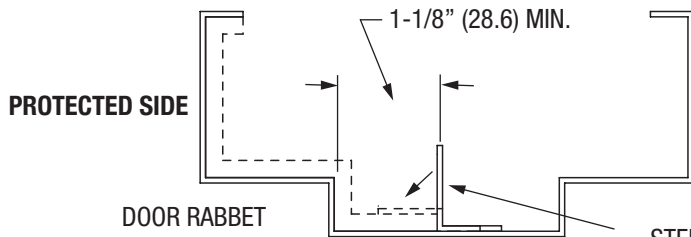
March, 2017



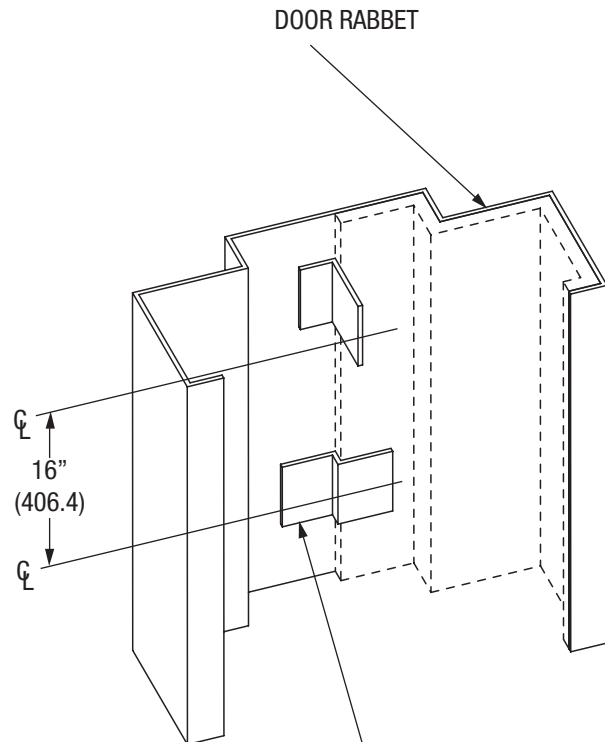
FACTORY INSTALLED LEAD AVAILABLE IN 1/32", 1/16", 1/8" & 1/4" THICKNESS. LEAD WILL BE APPLIED ON THE FACE, RABBET AND SOFFIT OF FRAME.

UNLESS OTHERWISE NOTED:
RIGHT HAND OR LEFT HAND DOORS WILL HAVE LEAD INSTALLED ON DOOR FACE, RABBET AND SOFFIT OF FRAME. REVERSE HAND DOORS, THE LEAD WILL BE INSTALLED ON OPPOSITE DOOR FACE RABBET AND SOFFIT.

FRAMES WILL BE FACTORY WELDED WITH A CONTINUOUS WELD ALONG THE MITERED CORNERS. FRAMES ARE AVAILABLE IN M, G, DEM, C & CG. EQUAL RABBET ONLY.



STEEL CLIP IS BENT OVER TO RETAIN LEAD LINING



LEAD THICKNESS: 1/32" (.8), 1/16" (1.5),
1/8" (3.2), 1/4" (6.3)
LEAD SPECIFICATION: ASTM B29 AND ASTM B749
REFINED LEAD; 99.9% PURE
LEAD PER FEDERAL SPECIFICATION
QQ-L-201F, TYPE C



May, 2016

**STANDARDS COMPLIANCE:**

ASTM E 90, ASTM E 1332, ASTM E2235, ASTM E413, SDI 128
AND HMMMA 865

NOTES:

1. MUTES NOT ALLOWED
2. SURFACE CLOSER ONLY
3. STC LABEL APPLIED TO DOOR ONLY
4. WALL CONSTRUCTION NEEDS TO BE EQUAL OR GREATER
STC VALUE AS DOOR/FRAME
5. GROUTING NOT REQUIRED TO ACHIEVE STC RATING
6. 1-3/4" THICK DOORS
7. FRAMES MUST BE SINGLE OR DOUBLE RABBET,
CONTINUOUSLY WELDED. 16 OR 14 GAUGE, STANDARD
HOLLOW METAL FRAME
8. HINGES - 4-1/2" STANDARD OR HEAVYWEIGHT,
5" STANDARD OR HEAVYWEIGHT
9. ELECTRIC RACEWAYS ARE ALLOWED
10. ALL SEALS & THRESHOLDS INCLUDED
11. OTHER NON-TESTED ASSEMBLIES ARE AVAILABLE.
CONTACT FACTORY FOR DETAILS.

HARDWARE LIMITATIONS:

STC 32 - CYLINDRICAL OR MORTISE ONLY

FIRE RATING:

3 HR. MAX.

OPENING SIZES:

MINIMUM SIZE - 2'0" X 6'8" SINGLE
MAXIMUM SIZE - 4'0" X 8'0" SINGLE

FACE TYPES:

FLUSH ONLY – NO LITES ALLOWED

SEALS SET #32:

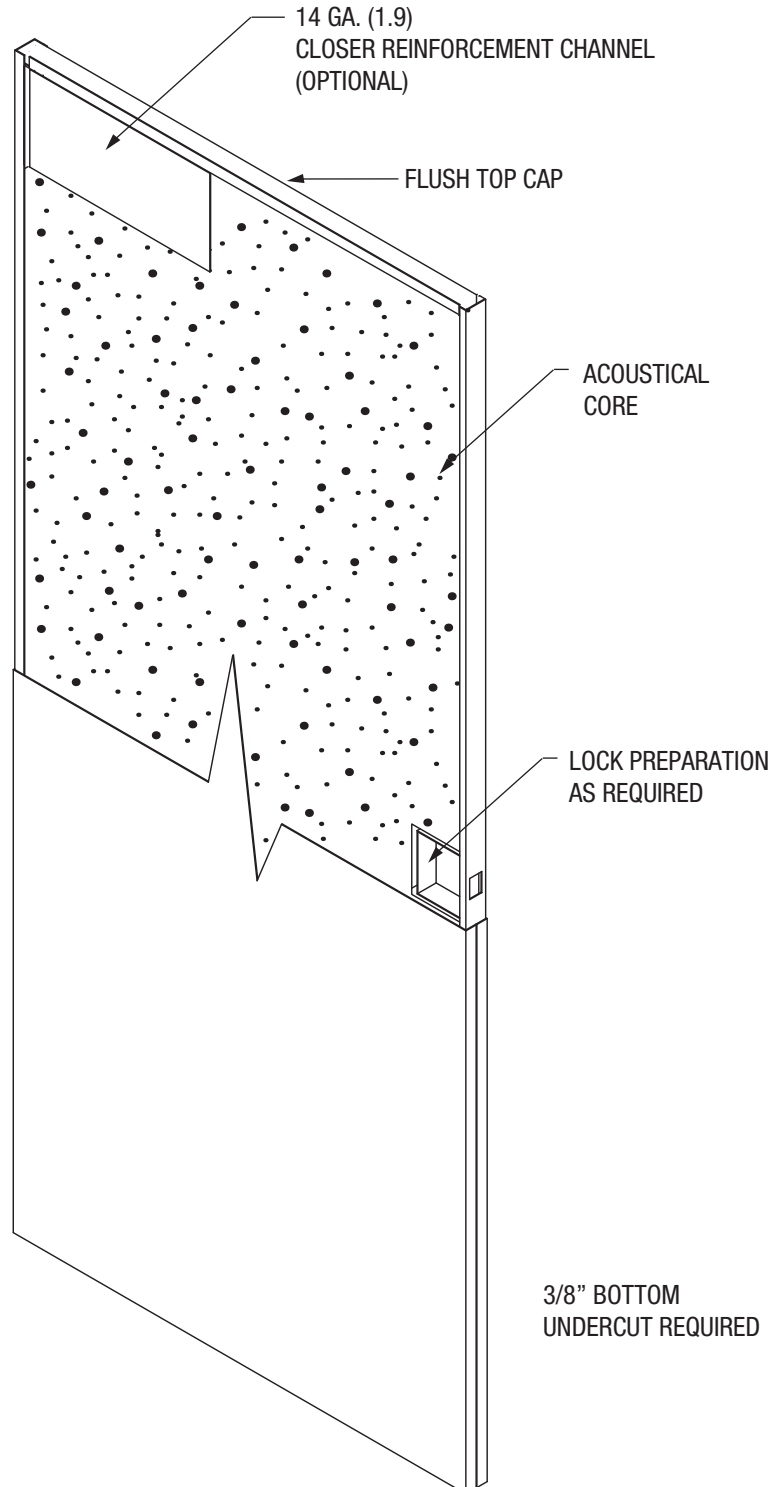
(MAY VARY DEPENDING ON FEATURES/REQUIREMENTS OF OPENINGS)

PERIMETER:

PEMKO 312CN

BOTTOM:

PEMKO 2008 PK



**STANDARDS COMPLIANCE:**

ASTM E 90, ASTM E 1332, ASTM E2235, ASTM E413, SDI 128
AND HMMA 865

NOTES:

1. MUTES NOT ALLOWED
2. SURFACE CLOSER ONLY
3. STC LABEL APPLIED TO DOOR ONLY
4. WALL CONSTRUCTION NEEDS TO BE EQUAL OR GREATER
STC VALUE AS DOOR/FRAME
5. GROUTING NOT REQUIRED TO ACHIEVE STC RATING
6. 1-3/4" THICK DOORS
7. FRAMES MUST BE SINGLE OR DOUBLE RABBET,
CONTINUOUSLY WELDED. 16 OR 14 GAUGE, STANDARD
HOLLOW METAL FRAME
8. HINGES - 4-1/2" STANDARD OR HEAVYWEIGHT,
5" STANDARD OR HEAVYWEIGHT
9. ELECTRIC RACEWAYS ARE ALLOWED
10. ALL SEALS & THRESHOLDS INCLUDED
11. OTHER NON-TESTED ASSEMBLIES ARE AVAILABLE.
CONTACT FACTORY FOR DETAILS.

HARDWARE LIMITATIONS:

STC 33 - CYLINDRICAL OR MORTISE ONLY

FIRE RATING:

3 HR. MAX.

OPENING SIZES:

MINIMUM SIZE - 2'0" X 6'8" SINGLE
MAXIMUM SIZE - 4'0" X 8'0" SINGLE

FACE TYPES:

FLUSH ONLY - NO LITES ALLOWED

SEALS SET #38:

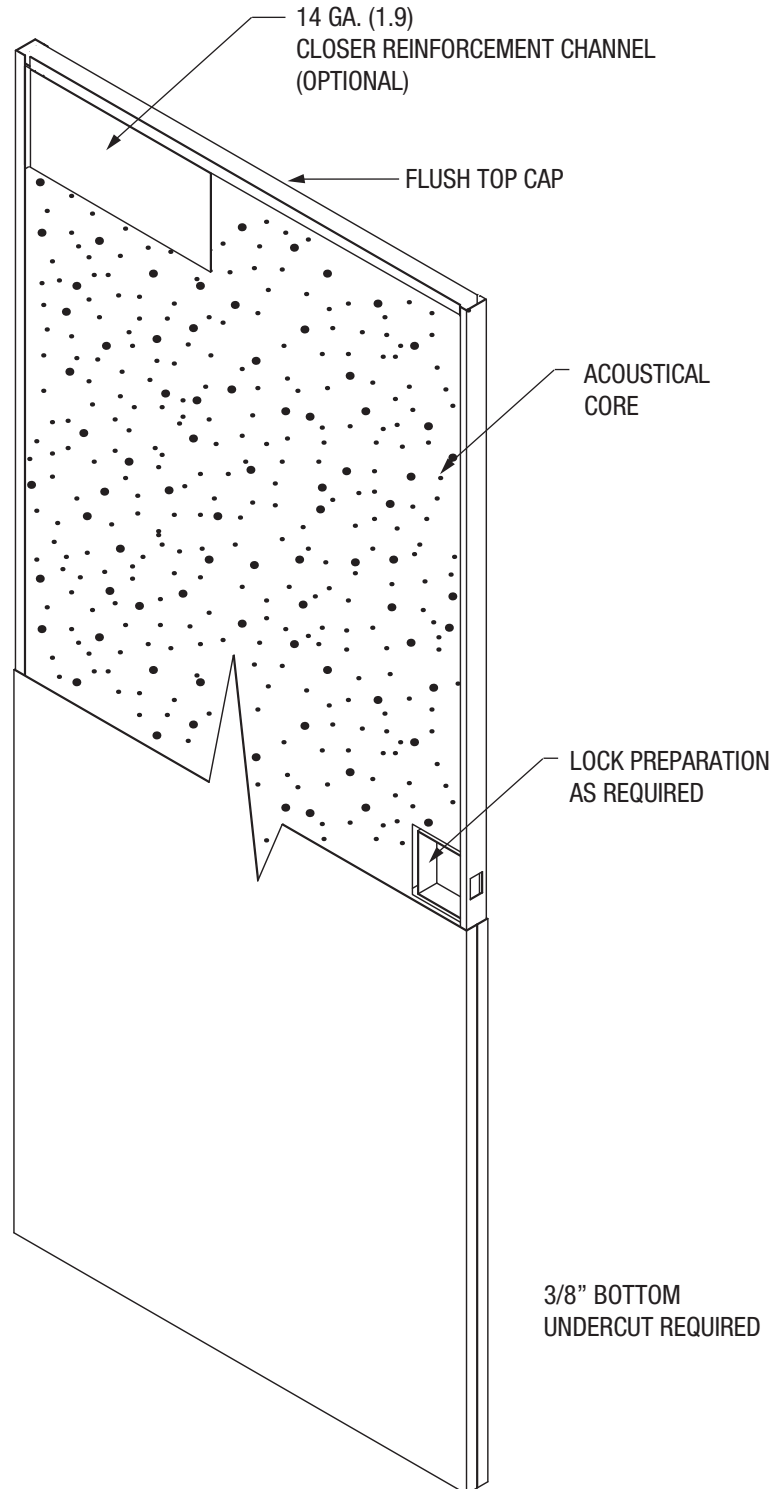
(MAY VARY DEPENDING ON FEATURES/REQUIREMENTS OF OPENINGS)

PERIMETER:

PEMKO 297 AS

BOTTOM:

PEMKO 2008 PK



May, 2016

**STANDARDS COMPLIANCE:**

ASTM E 90, ASTM E 1332, ASTM E2235, ASTM E413, SDI 128
AND HMMMA 865

NOTES:

1. MUTES NOT ALLOWED
2. SURFACE CLOSER ONLY
3. STC LABEL APPLIED TO DOOR ONLY
4. WALL CONSTRUCTION NEEDS TO BE EQUAL OR GREATER
STC VALUE AS DOOR/FRAME
5. GROUTING NOT REQUIRED TO ACHIEVE STC RATING
6. 1-3/4" THICK DOORS
7. FRAMES MUST BE SINGLE OR DOUBLE RABBET,
CONTINUOUSLY WELDED. 16 OR 14 GAUGE, STANDARD
HOLLOW METAL FRAME
8. HINGES - 4-1/2" STANDARD OR HEAVYWEIGHT,
5" STANDARD OR HEAVYWEIGHT
9. ELECTRIC RACEWAYS ARE ALLOWED
10. ALL SEALS & THRESHOLDS INCLUDED
11. OTHER NON-TESTED ASSEMBLIES ARE AVAILABLE.
CONTACT FACTORY FOR DETAILS.

HARDWARE LIMITATIONS:

STC 34 - CYLINDRICAL OR MORTISE ONLY

FIRE RATING:

3 HR. MAX.

OPENING SIZES:

MINIMUM SIZE - 2'0" X 6'8" SINGLE
MAXIMUM SIZE - 4'0" X 8'0" SINGLE

FACE TYPES:

FLUSH ONLY – NO LITES ALLOWED

SEALS SET #38:

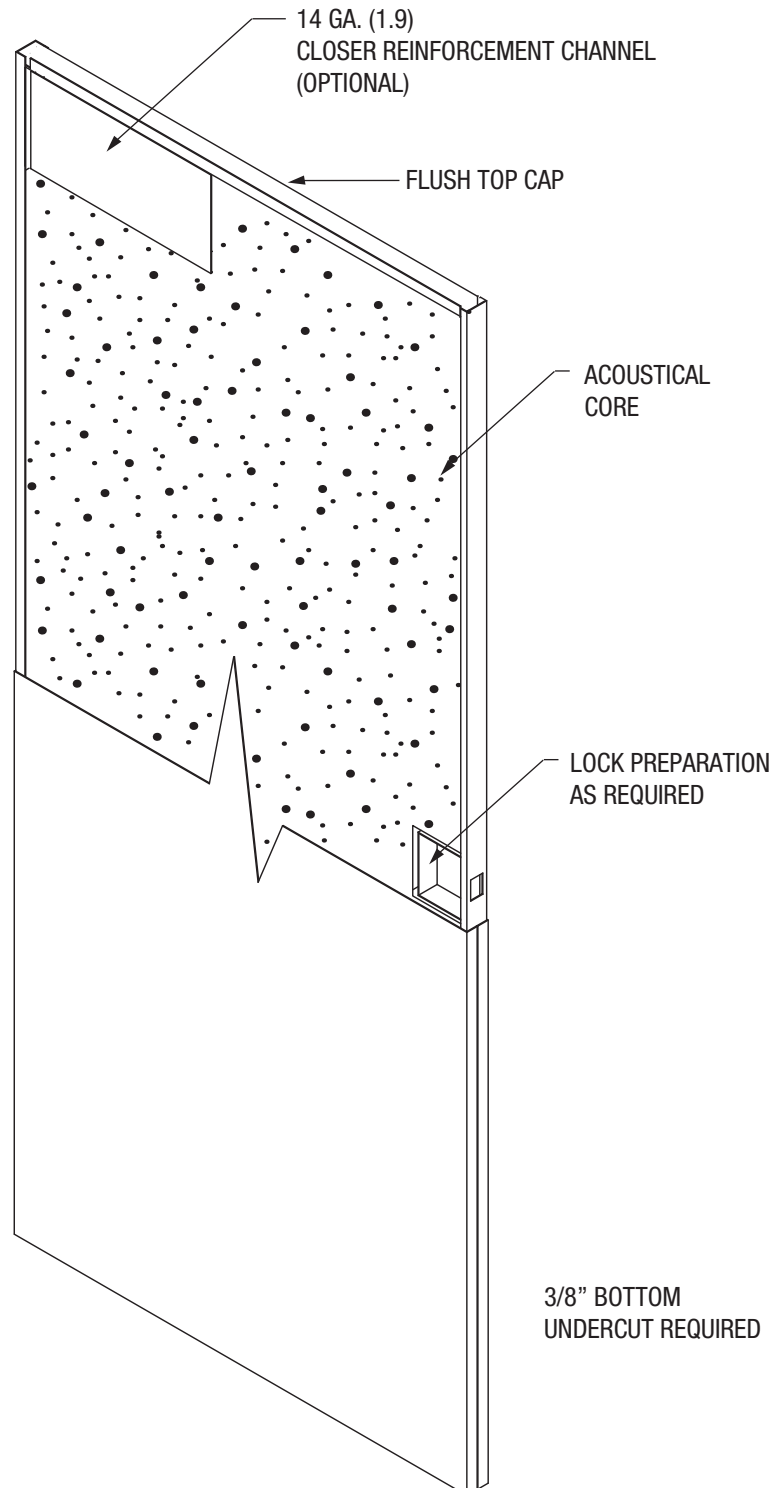
(MAY VARY DEPENDING ON FEATURES/REQUIREMENTS OF OPENINGS)

PERIMETER:

PEMKO 297 AS

BOTTOM:

PEMKO 2008 PK



**STANDARDS COMPLIANCE:**

ASTM E 90, ASTM E 1332, ASTM E2235, ASTM E413, SDI 128 AND HMMA 865

NOTES:

1. MUTES NOT ALLOWED
2. SURFACE CLOSER ONLY
3. STC LABEL APPLIED TO DOOR ONLY
4. WALL CONSTRUCTION NEEDS TO BE EQUAL OR GREATER STC VALUE AS DOOR/FRAME
5. GROUTING NOT REQUIRED TO ACHIEVE STC RATING
6. 1-3/4" THICK DOORS
7. FRAMES MUST BE SINGLE OR DOUBLE RABBET, CONTINUOUSLY WELDED. 16 OR 14 GAUGE, STANDARD HOLLOW METAL FRAME
8. HINGES - 4-1/2" STANDARD OR HEAVYWEIGHT, 5" STANDARD OR HEAVYWEIGHT
9. ELECTRIC RACEWAYS ARE ALLOWED
10. ALL SEALS & THRESHOLDS INCLUDED
11. OTHER NON-TESTED ASSEMBLIES ARE AVAILABLE. CONTACT FACTORY FOR DETAILS.

HARDWARE LIMITATIONS:

STC 35 - CYLINDRICAL OR MORTISE ONLY

FIRE RATING:

3 HR. MAX.

OPENING SIZES:

MINIMUM SIZE - 2'0" X 6'8" SINGLE
 MAXIMUM SIZE - 4'0" X 8'0" SINGLE

FACE TYPES:

FLUSH ONLY – NO LITES ALLOWED

SEALS SET #38:

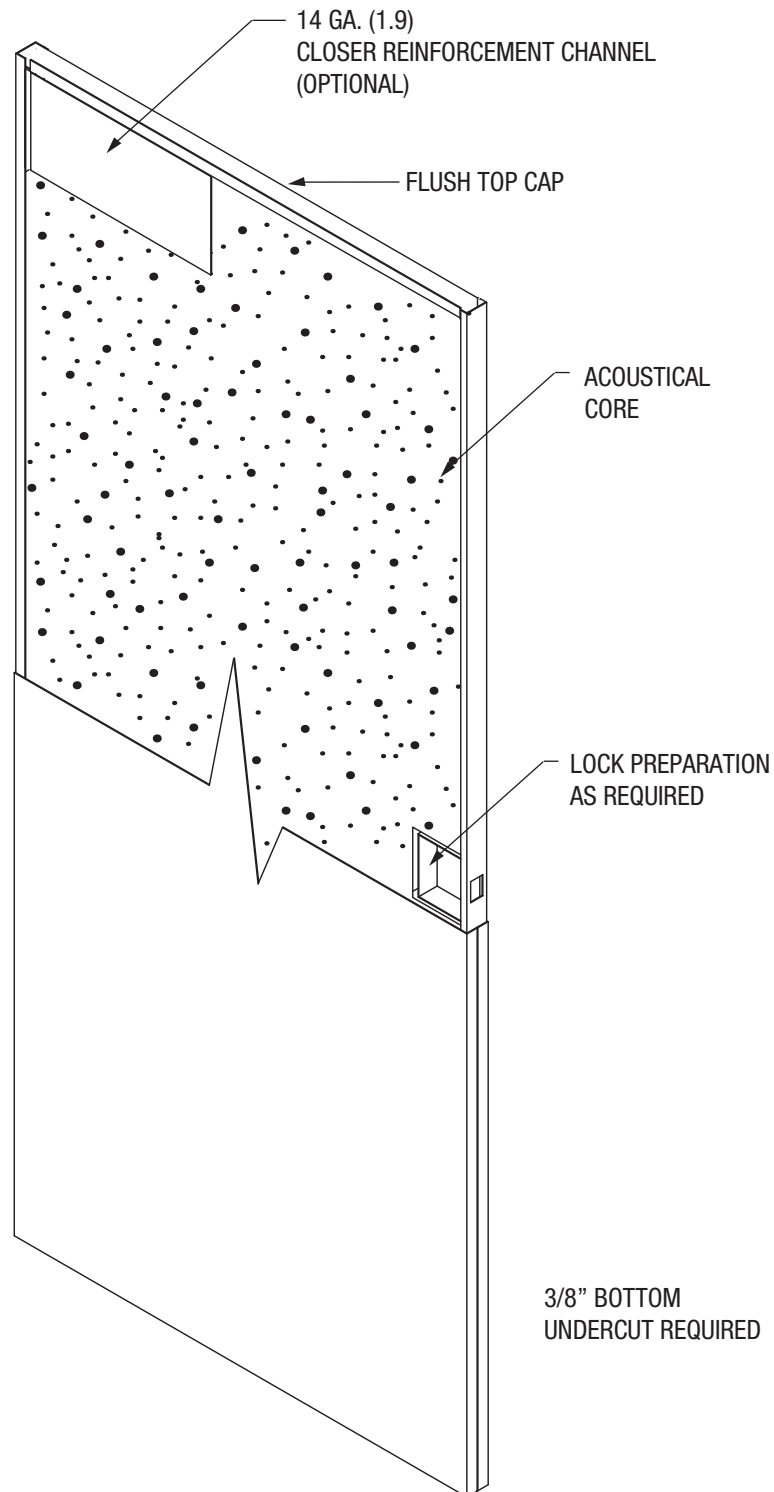
(MAY VARY DEPENDING ON FEATURES/REQUIREMENTS OF OPENINGS)

PERIMETER:

PEMKO 297 AS

BOTTOM:

PEMKO 2008 PK



May, 2016

**STANDARDS COMPLIANCE:**

ASTM E 90, ASTM E 1332, ASTM E2235, ASTM E413, SDI 128
AND HMMA 865

NOTES:

1. MUTES NOT ALLOWED
2. SURFACE CLOSER ONLY
3. STC LABEL APPLIED TO DOOR ONLY
4. WALL CONSTRUCTION NEEDS TO BE EQUAL OR GREATER STC VALUE AS DOOR/FRAME
5. GROUTING NOT REQUIRED TO ACHIEVE STC RATING
6. 1-3/4" THICK DOORS
7. FRAMES MUST BE SINGLE OR DOUBLE RABBET, CONTINUOUSLY WELDED. 16 OR 14 GAUGE, STANDARD HOLLOW METAL FRAME
8. HINGES - 4-1/2" STANDARD OR HEAVYWEIGHT, 5" STANDARD OR HEAVYWEIGHT
9. ELECTRIC RACEWAYS ARE ALLOWED
10. ALL SEALS & THRESHOLDS INCLUDED
11. OTHER NON-TESTED ASSEMBLIES ARE AVAILABLE. CONTACT FACTORY FOR DETAILS.

HARDWARE LIMITATIONS:

STC 36 - CYLINDRICAL OR MORTISE ONLY

FIRE RATING:

3 HR. MAX.

OPENING SIZES:

MINIMUM SIZE - 2'0" X 6'8" SINGLE
MAXIMUM SIZE - 4'0" X 8'0" SINGLE

FACE TYPES:

FLUSH ONLY – NO LITES ALLOWED

SEALS SET #38:

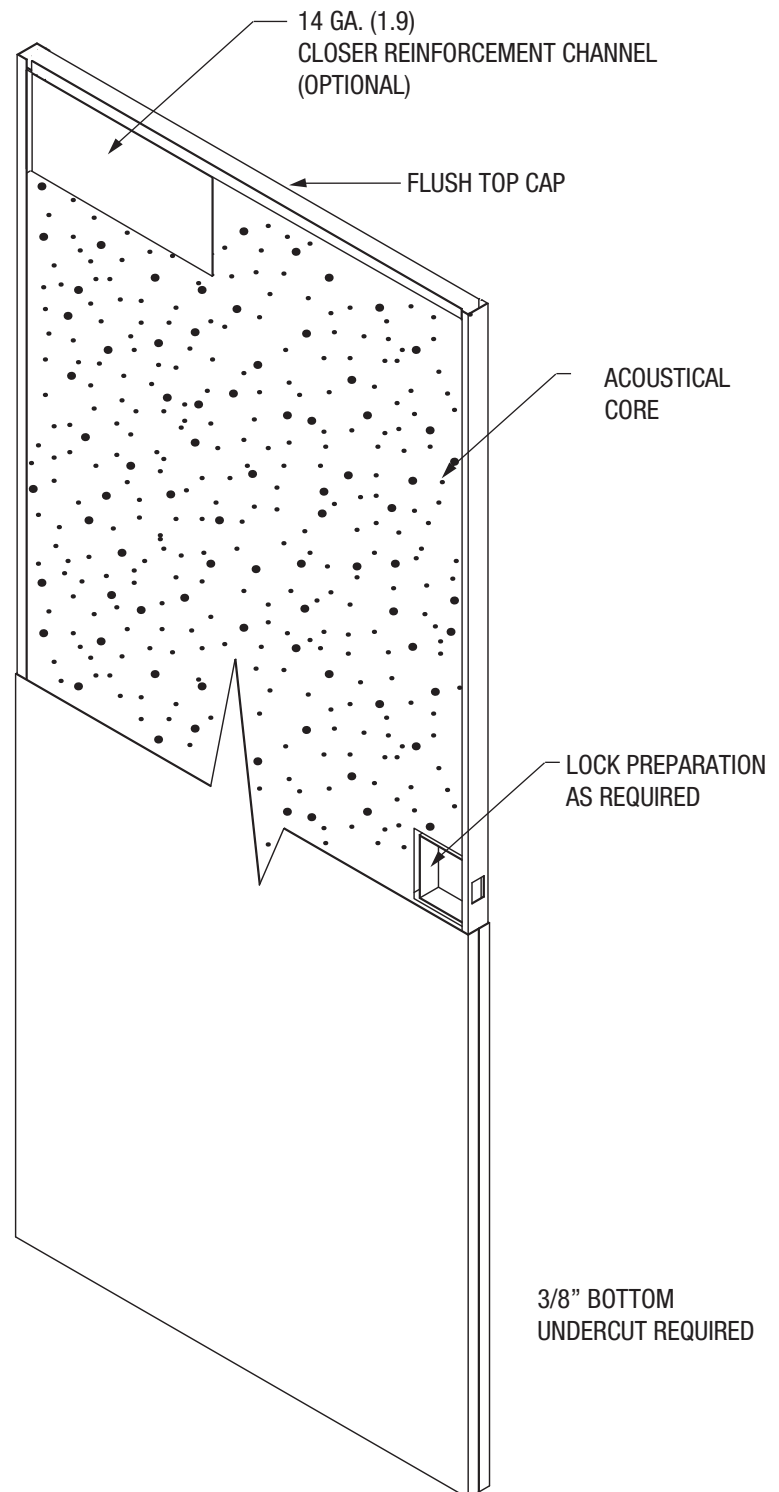
(MAY VARY DEPENDING ON FEATURES/REQUIREMENTS OF OPENINGS)

PERIMETER:

PEMKO 297 AS

BOTTOM:

PEMKO 2008 PK



**STANDARDS COMPLIANCE:**

ASTM E 90, ASTM E 1332, ASTM E2235, ASTM E413, SDI 128
AND HMMA 865

NOTES:

1. MUTES NOT ALLOWED
2. SURFACE CLOSER ONLY
3. STC LABEL APPLIED TO DOOR ONLY
4. WALL CONSTRUCTION NEEDS TO BE EQUAL OR GREATER
STC VALUE AS DOOR/FRAME
5. GROUTING NOT REQUIRED TO ACHIEVE STC RATING
6. 1-3/4" THICK DOORS
7. FRAMES MUST BE SINGLE OR DOUBLE RABBET,
CONTINUOUSLY WELDED. 16 OR 14 GAUGE, STANDARD
HOLLOW METAL FRAME
8. HINGES - 4-1/2" STANDARD OR HEAVYWEIGHT,
5" STANDARD OR HEAVYWEIGHT
9. ELECTRIC RACEWAYS ARE ALLOWED
10. ALL SEALS & THRESHOLDS INCLUDED
11. OTHER NON-TESTED ASSEMBLIES ARE AVAILABLE.
CONTACT FACTORY FOR DETAILS.

HARDWARE LIMITATIONS:

STC 37 - CYLINDRICAL OR MORTISE ONLY

FIRE RATING:

3 HR. MAX.

OPENING SIZES:

MINIMUM SIZE - 2'0" X 6'8" SINGLE
MAXIMUM SIZE - 4'0" X 8'0" SINGLE

FACE TYPES:

FLUSH ONLY – NO LITES ALLOWED

SEALS SET #38:

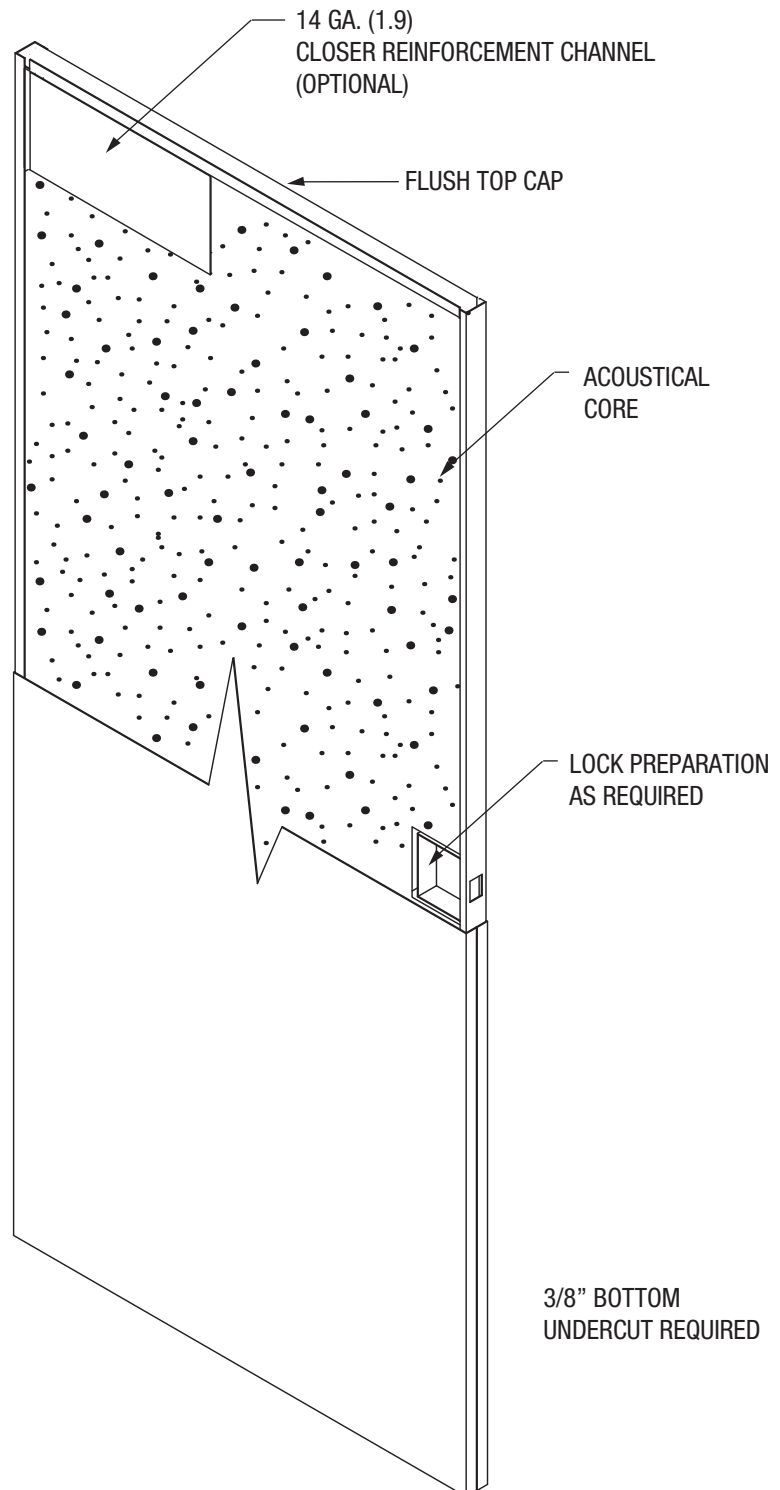
(MAY VARY DEPENDING ON FEATURES/REQUIREMENTS OF OPENINGS)

PERIMETER:

PEMKO 297 AS

BOTTOM:

PEMKO 2008 PK



May, 2016

**STANDARDS COMPLIANCE:**

ASTM E 90, ASTM E 1332, ASTM E2235, ASTM E413, SDI 128
AND HMMMA 865

NOTES:

1. MUTES NOT ALLOWED
2. SURFACE CLOSER ONLY
3. STC LABEL APPLIED TO DOOR ONLY
4. WALL CONSTRUCTION NEEDS TO BE EQUAL OR GREATER
STC VALUE AS DOOR/FRAME
5. GROUTING NOT REQUIRED TO ACHIEVE STC RATING
6. 1-3/4" THICK DOORS
7. FRAMES MUST BE SINGLE OR DOUBLE RABBET,
CONTINUOUSLY WELDED. 16 OR 14 GAUGE, STANDARD
HOLLOW METAL FRAME
8. HINGES - 4-1/2" STANDARD OR HEAVYWEIGHT,
5" STANDARD OR HEAVYWEIGHT
9. ELECTRIC RACEWAYS ARE ALLOWED
10. ALL SEALS & THRESHOLDS INCLUDED
11. OTHER NON-TESTED ASSEMBLIES ARE AVAILABLE.
CONTACT FACTORY FOR DETAILS.

HARDWARE LIMITATIONS:

STC 38 - CYLINDRICAL OR MORTISE ONLY

FIRE RATING:

3 HR. MAX.

OPENING SIZES:

MINIMUM SIZE - 2'0" X 6'8" SINGLE
MAXIMUM SIZE - 4'0" X 8'0" SINGLE

FACE TYPES:

FLUSH ONLY – NO LITES ALLOWED

SEALS SET #38:

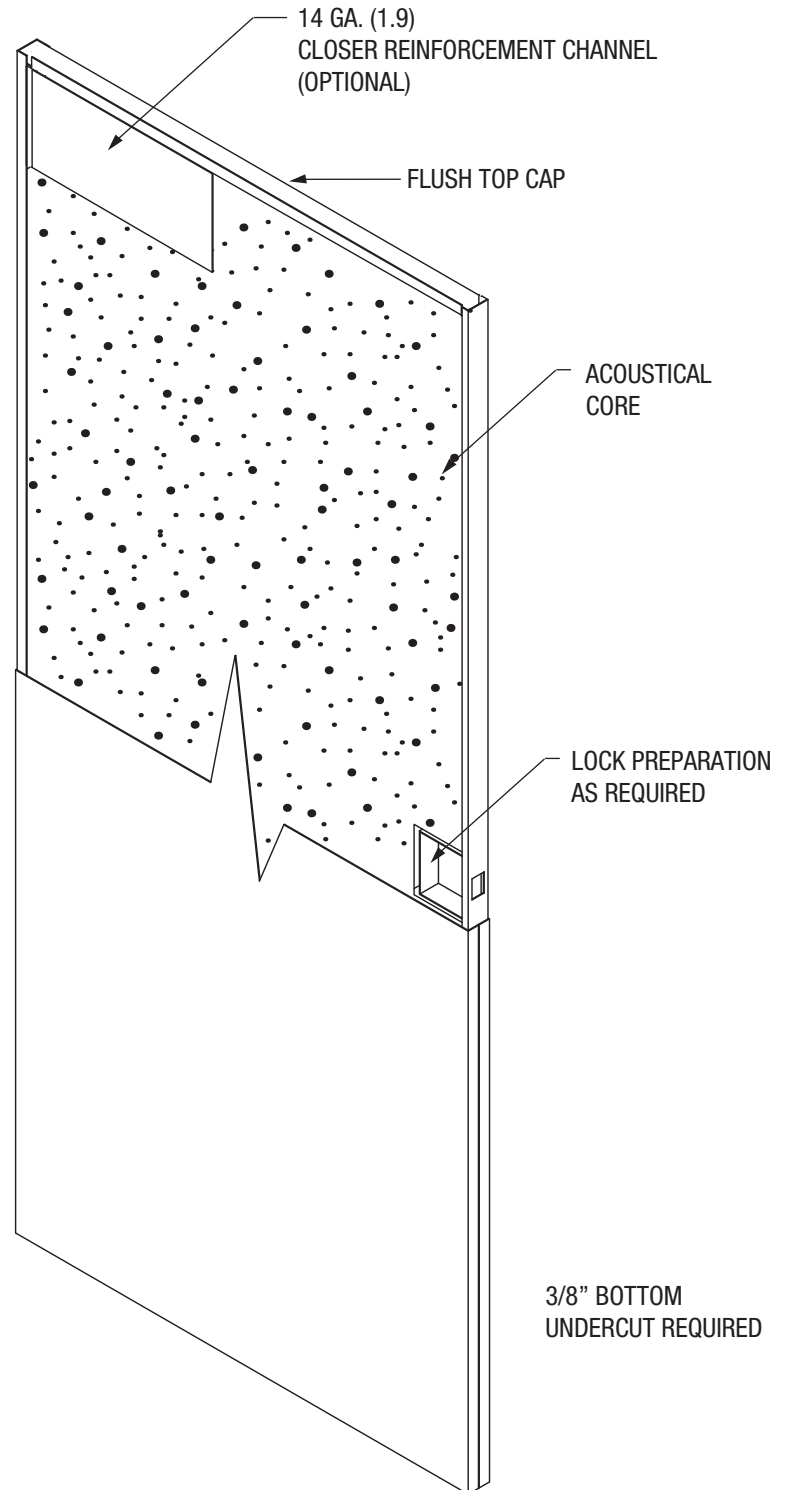
(MAY VARY DEPENDING ON FEATURES/REQUIREMENTS OF OPENINGS)

PERIMETER:

PEMKO 297 AS

BOTTOM:

PEMKO 2008 PK



**STANDARDS COMPLIANCE:**

ASTM E 90, ASTM E 1332, ASTM E2235, ASTM E413, SDI 128
AND HMMA 865

NOTES:

1. MUTES NOT ALLOWED
2. SURFACE CLOSER ONLY
3. STC LABEL APPLIED TO DOOR ONLY
4. WALL CONSTRUCTION NEEDS TO BE EQUAL OR GREATER
STC VALUE AS DOOR/FRAME
5. THE FRAMES MUST BE MORTAR FILLED TO ACHIEVE AN STC RATING
OF 40 AND ABOVE
6. 1-3/4" THICK DOORS
7. FRAMES MUST BE SINGLE OR DOUBLE RABBET,
CONTINUOUSLY WELDED. 16 OR 14 GAUGE, STANDARD
HOLLOW METAL FRAME
8. HINGES - 4-1/2" STANDARD OR HEAVYWEIGHT,
5" STANDARD OR HEAVYWEIGHT
9. ELECTRIC RACEWAYS ARE ALLOWED
10. ALL SEALS & THRESHOLDS INCLUDED
11. OTHER NON-TESTED ASSEMBLIES ARE AVAILABLE.
CONTACT FACTORY FOR DETAILS.

HARDWARE PREPARATIONS:

STC 33 WITH RIM EXIT. ELECTRIC POWER TRANSFER (EPT), MAG
SWITCH, AND DEADLOCK

FIRE RATING:

3 HR. MAX

OPENING SIZES:

MINIMUM SIZE - 2'0" X 6'8" SINGLE
MAXIMUM SIZE - 4'0" X 8'0" SINGLE

FACE TYPES:

FLUSH ONLY – NO LITES ALLOWED

SEAL SET #1:

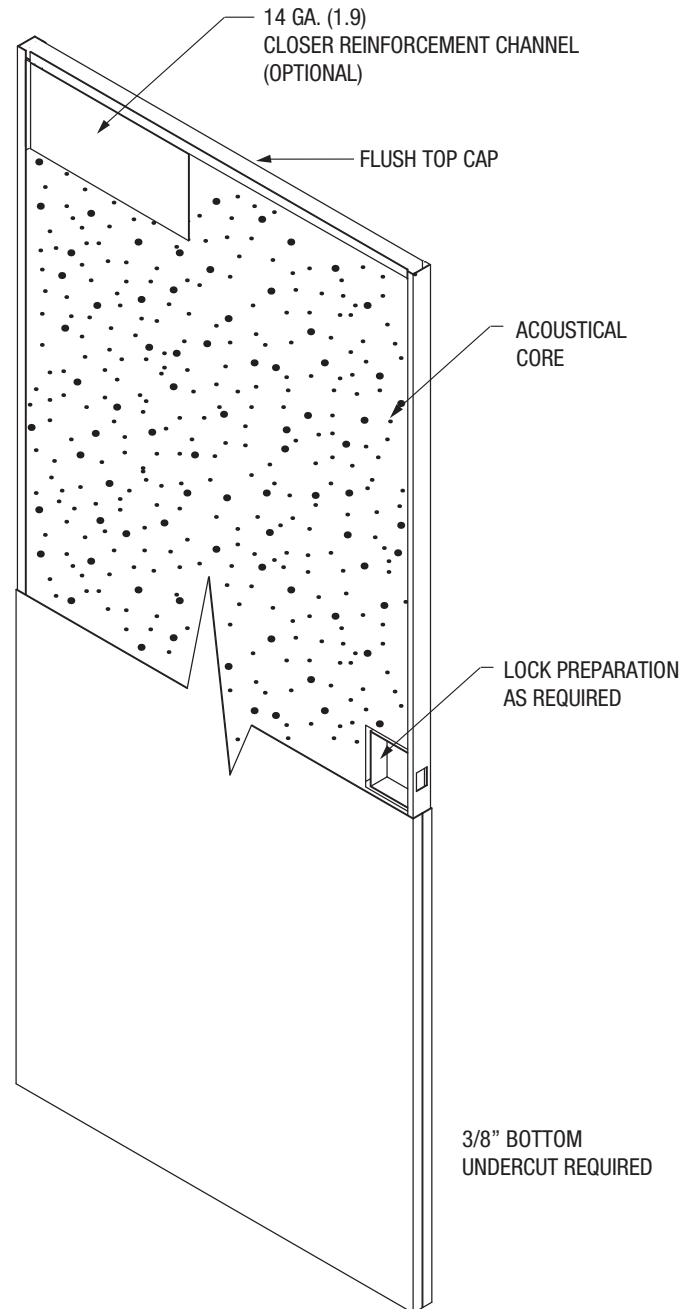
(MAY VARY DEPENDING ON FEATURES/REQUIREMENTS OF OPENINGS)

PERIMETER:

PEMKO S44 (2)

BOTTOM:

PEMKO 2008 PK



May, 2016

STANDARDS COMPLIANCE:

ASTM E 90, ASTM E 1332, ASTM E2235, ASTM E413, SDI 128
AND HMMA 865

NOTES:

1. MUTES NOT ALLOWED
2. SURFACE CLOSER ONLY
3. STC LABEL APPLIED TO DOOR ONLY
4. WALL CONSTRUCTION NEEDS TO BE EQUAL OR GREATER STC VALUE AS DOOR/FRAME
5. THE FRAMES MUST BE MORTAR FILLED TO ACHIEVE AN STC RATING OF 40 AND ABOVE
6. 1-3/4" THICK DOORS
7. FRAMES MUST BE SINGLE OR DOUBLE RABBET, CONTINUOUSLY WELDED. 16 OR 14 GAUGE, STANDARD HOLLOW METAL FRAME
8. HINGES - 4-1/2" STANDARD OR HEAVYWEIGHT, 5" STANDARD OR HEAVYWEIGHT
9. ELECTRIC RACEWAYS ARE ALLOWED
10. ALL SEALS & THRESHOLDS INCLUDED
11. OTHER NON-TESTED ASSEMBLIES ARE AVAILABLE. CONTACT FACTORY FOR DETAILS.

HARDWARE PREPARATIONS:

STC 34 WITH RIM EXIT. ELECTRIC POWER TRANSFER (EPT), MAG SWITCH, AND DEADLOCK

FIRE RATING:

3 HR. MAX

OPENING SIZES:

MINIMUM SIZE - 2'0" X 6'8" SINGLE
MAXIMUM SIZE - 4'0" X 8'0" SINGLE

FACE TYPES:

FLUSH ONLY – NO LITES ALLOWED

SEAL SET #1:

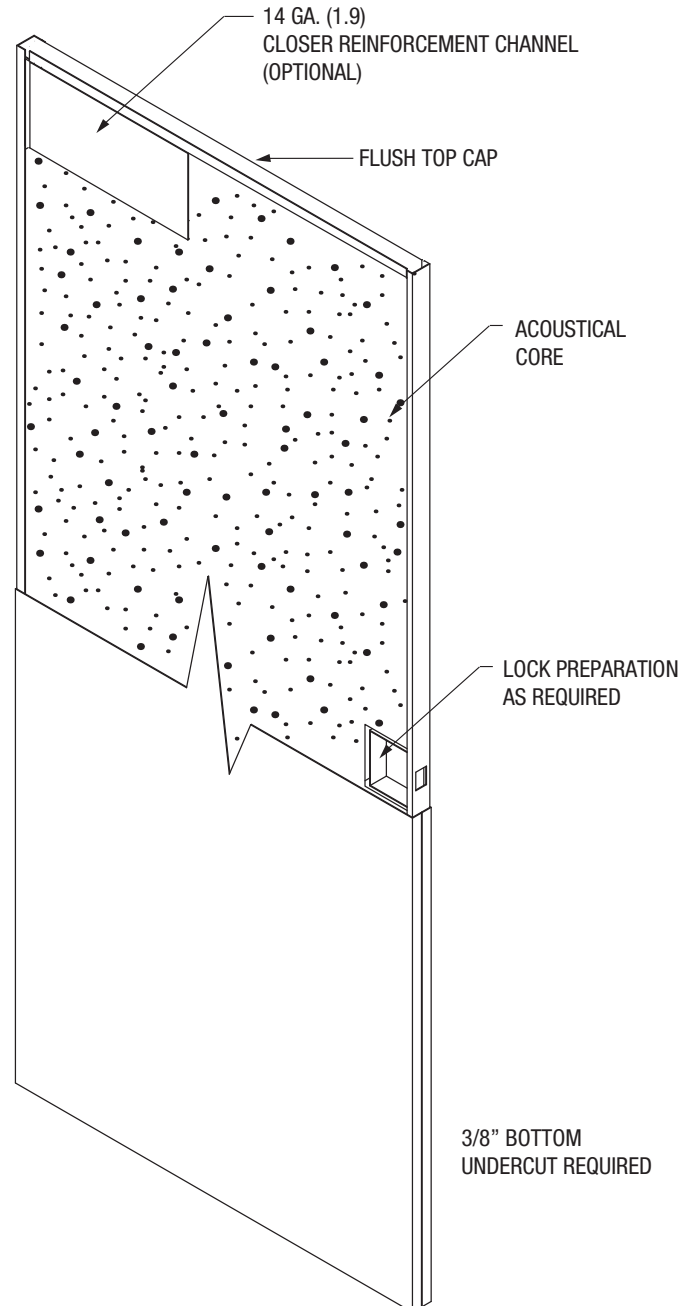
(MAY VARY DEPENDING ON FEATURES/REQUIREMENTS OF OPENINGS)

PERIMETER:

PEMKO S44

BOTTOM:

PEMKO 2008 PK



**STANDARDS COMPLIANCE:**

ASTM E 90, ASTM E 1332, ASTM E2235, ASTM E413, SDI 128
AND HMMA 865

NOTES:

1. MUTES NOT ALLOWED
2. SURFACE CLOSER ONLY
3. STC LABEL APPLIED TO DOOR ONLY
4. WALL CONSTRUCTION NEEDS TO BE EQUAL OR GREATER STC VALUE AS DOOR/FRAME
5. THE FRAMES MUST BE MORTAR FILLED TO ACHIEVE AN STC RATING OF 40 AND ABOVE
6. 1-3/4" THICK DOORS
7. FRAMES MUST BE SINGLE OR DOUBLE RABBET, CONTINUOUSLY WELDED. 16 OR 14 GAUGE, STANDARD HOLLOW METAL FRAME
8. HINGES - 4-1/2" STANDARD OR HEAVYWEIGHT, 5" STANDARD OR HEAVYWEIGHT
9. ELECTRIC RACEWAYS ARE ALLOWED
10. ALL SEALS & THRESHOLDS INCLUDED
11. OTHER NON-TESTED ASSEMBLIES ARE AVAILABLE. CONTACT FACTORY FOR DETAILS.

HARDWARE PREPARATIONS:

STC 35 WITH RIM EXIT. ELECTRIC POWER TRANSFER (EPT), MAG SWITCH, AND DEADLOCK

FIRE RATING:

3 HR. MAX

OPENING SIZES:

MINIMUM SIZE - 2'0" X 6'8" SINGLE

MAXIMUM SIZE - 4'0" X 8'0" SINGLE

FACE TYPES:

FLUSH ONLY – NO LITES ALLOWED

SEAL SET #1:

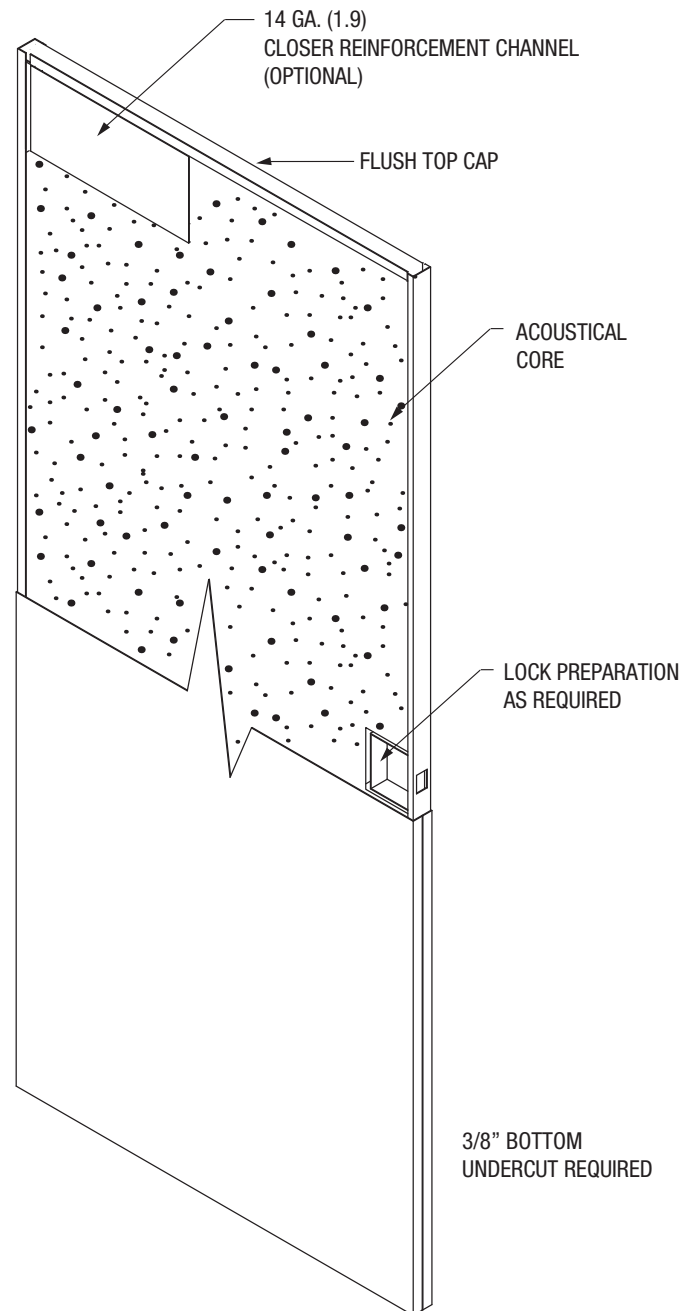
(MAY VARY DEPENDING ON FEATURES/REQUIREMENTS OF OPENINGS)

PERIMETER:

PEMKO S44 (2)

BOTTOM:

PEMKO 2008 PK



May, 2016

**STANDARDS COMPLIANCE:**

ASTM E 90, ASTM E 1332, ASTM E2235, ASTM E413, SDI 128
AND HMMA 865

NOTES:

1. MUTES NOT ALLOWED
2. SURFACE CLOSER ONLY
3. STC LABEL APPLIED TO DOOR ONLY
4. WALL CONSTRUCTION NEEDS TO BE EQUAL OR GREATER STC VALUE AS DOOR/FRAME
5. THE FRAMES MUST BE MORTAR FILLED TO ACHIEVE AN STC RATING OF 40 AND ABOVE
6. 1-3/4" THICK DOORS
7. FRAMES MUST BE SINGLE OR DOUBLE RABBET, CONTINUOUSLY WELDED. 16 OR 14 GAUGE, STANDARD HOLLOW METAL FRAME
8. HINGES - 4-1/2" STANDARD OR HEAVYWEIGHT, 5" STANDARD OR HEAVYWEIGHT
9. ELECTRIC RACEWAYS ARE ALLOWED
10. ALL SEALS & THRESHOLDS INCLUDED
11. OTHER NON-TESTED ASSEMBLIES ARE AVAILABLE. CONTACT FACTORY FOR DETAILS.

HARDWARE PREPARATIONS:

STC 36 WITH RIM EXIT. ELECTRIC POWER TRANSFER (EPT), MAG SWITCH, AND DEADLOCK

FIRE RATING:

3 HR. MAX

OPENING SIZES:

MINIMUM SIZE - 2'0" X 6'8" SINGLE
MAXIMUM SIZE - 4'0" X 8'0" SINGLE

FACE TYPES:

FLUSH ONLY – NO LITES ALLOWED

SEAL SET #1:

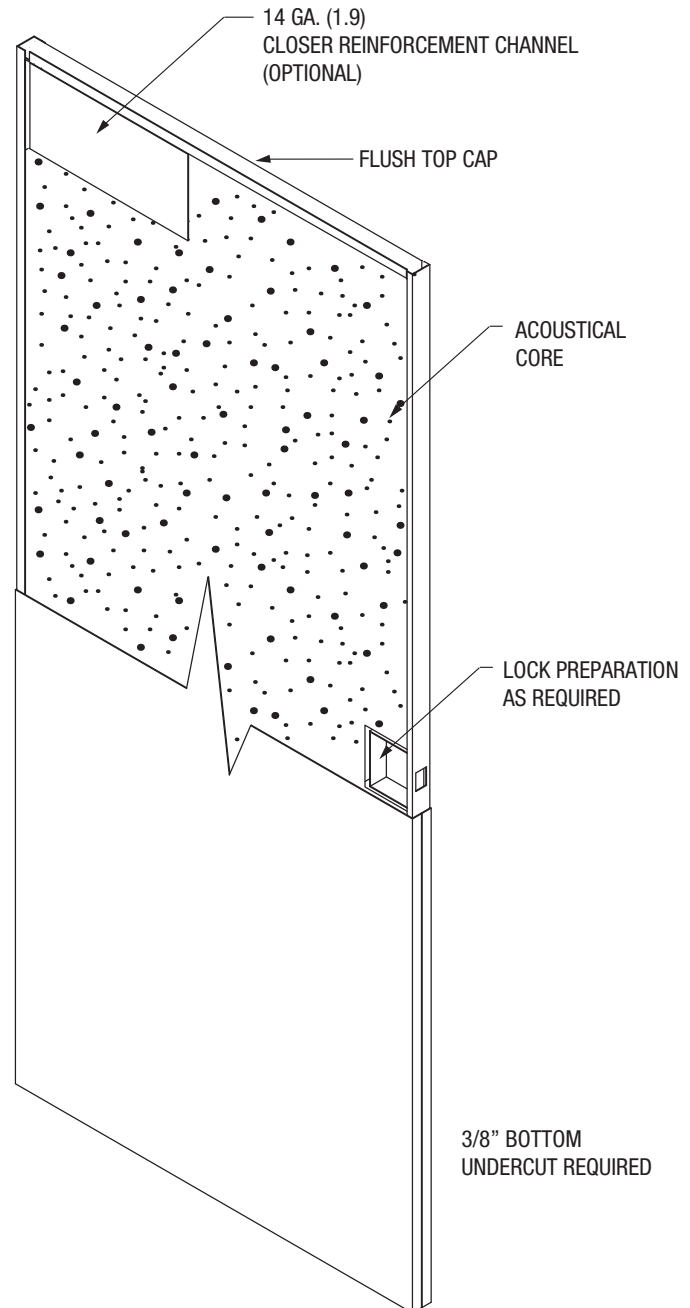
(MAY VARY DEPENDING ON FEATURES/REQUIREMENTS OF OPENINGS)

PERIMETER:

PEMKO S44

BOTTOM:

PEMKO 2008 PK



**STANDARDS COMPLIANCE:**

ASTM E 90, ASTM E 1332, ASTM E2235, ASTM E413, SDI 128
AND HMMA 865

NOTES:

1. MUTES NOT ALLOWED
2. SURFACE CLOSER ONLY
3. STC LABEL APPLIED TO DOOR ONLY
4. WALL CONSTRUCTION NEEDS TO BE EQUAL OR GREATER STC VALUE AS DOOR/FRAME
5. THE FRAMES MUST BE MORTAR FILLED TO ACHIEVE AN STC RATING OF 40 AND ABOVE
6. 1-3/4" THICK DOORS
7. FRAMES MUST BE SINGLE OR DOUBLE RABBET, CONTINUOUSLY WELDED. 16 OR 14 GAUGE, STANDARD HOLLOW METAL FRAME
8. HINGES - 4-1/2" STANDARD OR HEAVYWEIGHT, 5" STANDARD OR HEAVYWEIGHT
9. ELECTRIC RACEWAYS ARE ALLOWED
10. ALL SEALS & THRESHOLDS INCLUDED
11. OTHER NON-TESTED ASSEMBLIES ARE AVAILABLE. CONTACT FACTORY FOR DETAILS.

OPTIONAL HARDWARE PREPARATIONS:**ELECTRIC POWER TRANSFER (EPT), MAG SWITCH, AND DEADLOCK**

STC 37 WITH MORTISE LOCK. ANY COMBINATION OF THREE
OPTIONAL PREPS ALLOWED.

STC 37 WITH RIM PANIC. ANY COMBINATION OF TWO OPTIONAL
PREPS ARE ALLOWED.

FIRE RATING:

3 HR. MAX

OPENING SIZES:

MINIMUM SIZE - 2'0" X 6'8" SINGLE
MAXIMUM SIZE - 4'0" X 8'0" SINGLE

FACE TYPES:

FLUSH ONLY – NO LITES ALLOWED

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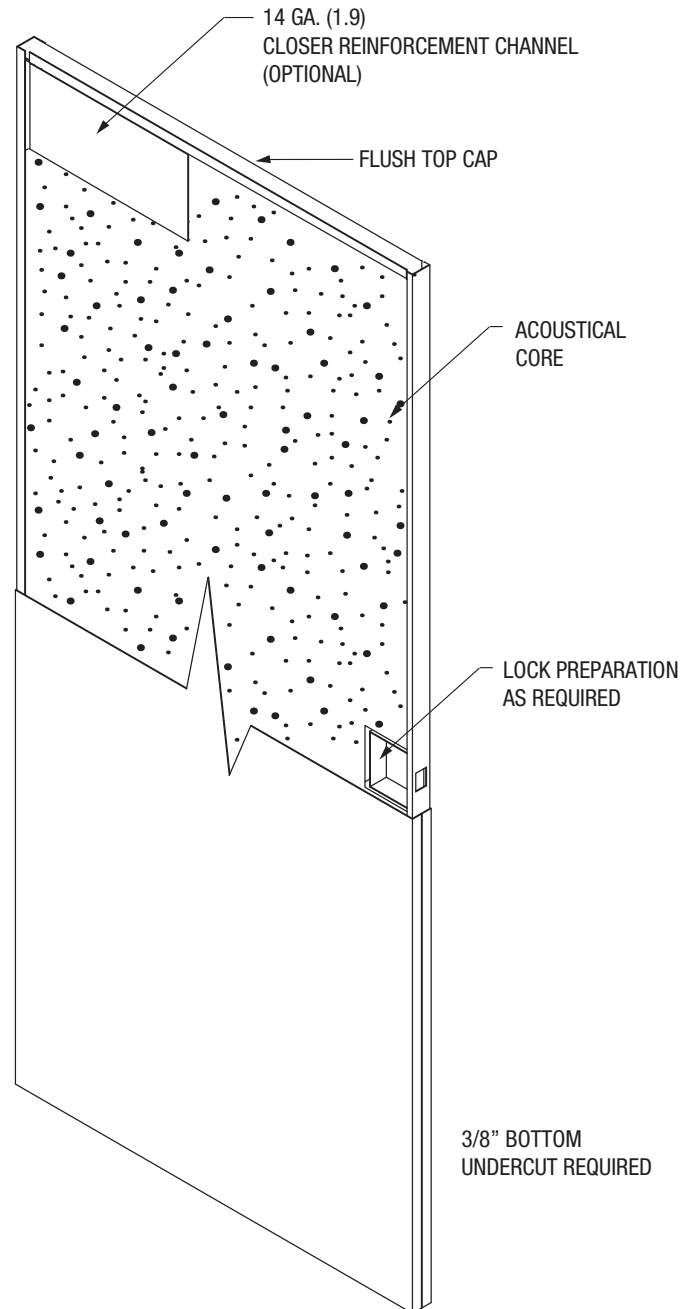
(MAY VARY DEPENDING ON FEATURES/REQUIREMENTS OF OPENINGS)

PERIMETER:

PEMKO S44 (2)

BOTTOM:

PEMKO 2008 PK



May, 2016

**STANDARDS COMPLIANCE:**

ASTM E 90, ASTM E 1332, ASTM E2235, ASTM E413, SDI 128
AND HMMA 865

NOTES:

1. MUTES NOT ALLOWED
2. SURFACE CLOSER ONLY
3. STC LABEL APPLIED TO DOOR ONLY
4. WALL CONSTRUCTION NEEDS TO BE EQUAL OR GREATER STC VALUE AS DOOR/FRAME
5. THE FRAMES MUST BE MORTAR FILLED TO ACHIEVE AN STC RATING OF 40 AND ABOVE
6. 1-3/4" THICK DOORS
7. FRAMES MUST BE SINGLE OR DOUBLE RABBET, CONTINUOUSLY WELDED. 16 OR 14 GAUGE, STANDARD HOLLOW METAL FRAME
8. HINGES - 4-1/2" STANDARD OR HEAVYWEIGHT, 5" STANDARD OR HEAVYWEIGHT
9. ELECTRIC RACEWAYS ARE ALLOWED
10. ALL SEALS & THRESHOLDS INCLUDED
11. OTHER NON-TESTED ASSEMBLIES ARE AVAILABLE. CONTACT FACTORY FOR DETAILS.

OPTIONAL HARDWARE PREPARATIONS:**ELECTRIC POWER TRANSFER (EPT), MAG SWITCH, AND DEADLOCK**

STC 38 WITH CYLINDRICAL LOCK. ANY COMBINATION OF
(3) OPTIONAL PREPS ARE ALLOWED.

STC 38 WITH MORTISE LOCK. ANY COMBINATION OF TWO OPTIONAL
PREPS ARE ALLOWED.

STC 38 WITH RIM EXIT. ONE OPTIONAL PREP ALLOWED.

FIRE RATING:

3 HR. MAX

OPENING SIZES:

MINIMUM SIZE - 2'0" X 6'8" SINGLE

MAXIMUM SIZE - 4'0" X 8'0" SINGLE

FACE TYPES:

FLUSH ONLY – NO LITES ALLOWED

SEAL SET #1:

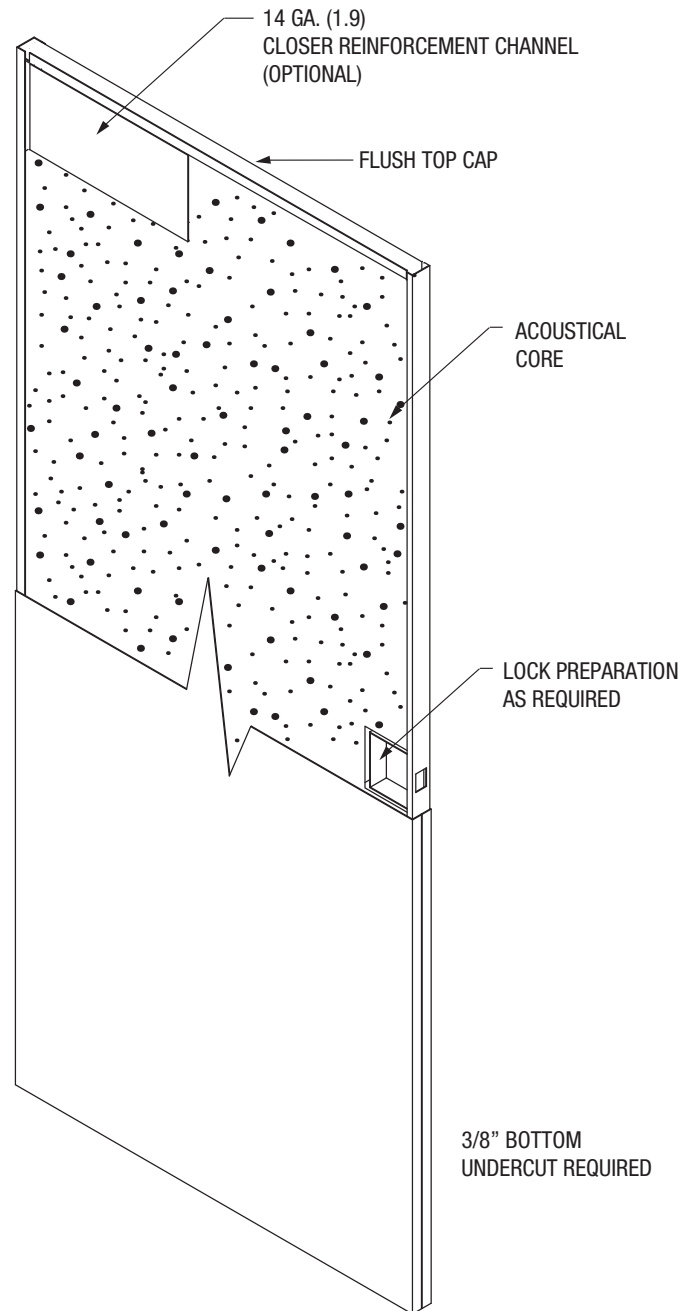
(MAY VARY DEPENDING ON FEATURES/REQUIREMENTS OF OPENINGS)

PERIMETER:

PEMKO S44

BOTTOM:

PEMKO 2008 PK



**STANDARDS COMPLIANCE:**

ASTM E 90, ASTM E 1332, ASTM E2235, ASTM E413, SDI 128
AND HMMA 865

NOTES:

1. MUTES NOT ALLOWED
2. SURFACE CLOSER ONLY
3. STC LABEL APPLIED TO DOOR ONLY
4. WALL CONSTRUCTION NEEDS TO BE EQUAL OR GREATER STC VALUE AS DOOR/FRAME
5. THE FRAMES MUST BE MORTAR FILLED TO ACHIEVE AN STC RATING OF 40 AND ABOVE
6. 1-3/4" THICK DOORS
7. FRAMES MUST BE SINGLE OR DOUBLE RABBET, CONTINUOUSLY WELDED. 16 OR 14 GAUGE, STANDARD HOLLOW METAL FRAME
8. HINGES - 4-1/2" STANDARD OR HEAVYWEIGHT, 5" STANDARD OR HEAVYWEIGHT
9. ELECTRIC RACEWAYS ARE ALLOWED
10. ALL SEALS & THRESHOLDS INCLUDED
11. OTHER NON-TESTED ASSEMBLIES ARE AVAILABLE. CONTACT FACTORY FOR DETAILS.

OPTIONAL HARDWARE PREPARATIONS:**ELECTRIC POWER TRANSFER (EPT), MAG SWITCH, AND DEADLOCK**

STC 39 WITH CYLINDRICAL LOCK. ANY COMBINATION OF TWO OPTIONAL PREPS ALLOWED.

STC 39 WITH MORTISE LOCK. ONE OPTIONAL PREP ALLOWED.

STC 39 WITH RIM EXIT. OPTIONAL PREPS NOT ALLOWED.

FIRE RATING:

3 HR. MAX

OPENING SIZES:

MINIMUM SIZE - 2'0" X 6'8" SINGLE

MAXIMUM SIZE - 4'0" X 8'0" SINGLE

FACE TYPES:

FLUSH ONLY – NO LITES ALLOWED

SEAL SET #1:

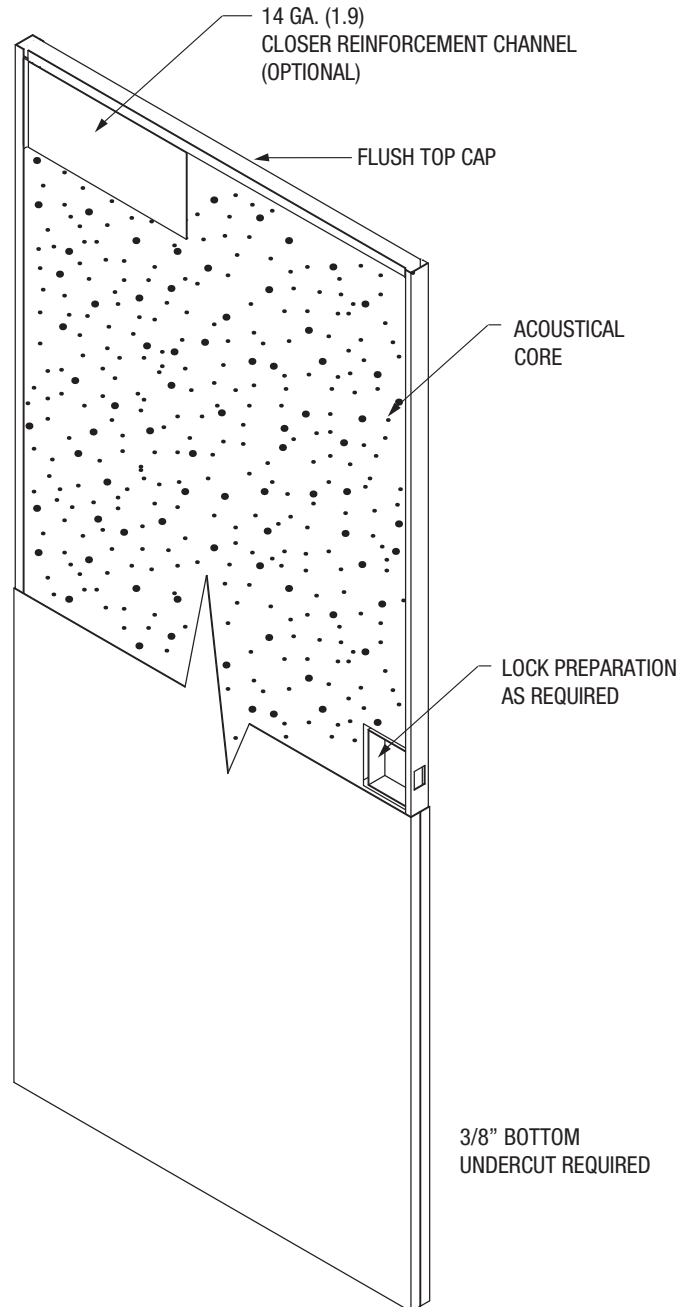
(MAY VARY DEPENDING ON FEATURES/REQUIREMENTS OF OPENINGS)

PERIMETER:

PEMKO S44 (2)

BOTTOM:

PEMKO 2008 PK



**STANDARDS COMPLIANCE:**

ASTM E 90, ASTM E 1332, ASTM E2235, ASTM E413, SDI 128
AND HMMA 865

NOTES:

1. MUTES NOT ALLOWED
2. SURFACE CLOSER ONLY
3. STC LABEL APPLIED TO DOOR ONLY
4. WALL CONSTRUCTION NEEDS TO BE EQUAL OR GREATER STC VALUE AS DOOR/FRAME
5. THE FRAMES MUST BE MORTAR FILLED TO ACHIEVE AN STC RATING OF 40 AND ABOVE
6. 1-3/4" THICK DOORS
7. FRAMES MUST BE SINGLE OR DOUBLE RABBET, CONTINUOUSLY WELDED. 16 OR 14 GAUGE, STANDARD HOLLOW METAL FRAME
8. HINGES - 4-1/2" STANDARD OR HEAVYWEIGHT, 5" STANDARD OR HEAVYWEIGHT
9. ELECTRIC RACEWAYS ARE ALLOWED
10. ALL SEALS & THRESHOLDS INCLUDED
11. OTHER NON-TESTED ASSEMBLIES ARE AVAILABLE. CONTACT FACTORY FOR DETAILS.

OPTIONAL HARDWARE PREPARATIONS:**ELECTRIC POWER TRANSFER (EPT), MAG SWITCH, AND DEADLOCK**

STC 40 WITH CYLINDRICAL LOCK. ONE OPTIONAL PREP ALLOWED.
STC 40 WITH MORTISE LOCK. OPTIONAL PREPS NOT ALLOWED.

FIRE RATING:

3 HR. MAX

OPENING SIZES:

MINIMUM SIZE - 2'0" X 6'8" SINGLE
MAXIMUM SIZE - 4'0" X 8'0" SINGLE

FACE TYPES:

FLUSH ONLY – NO LITES ALLOWED

SEAL SET #1:

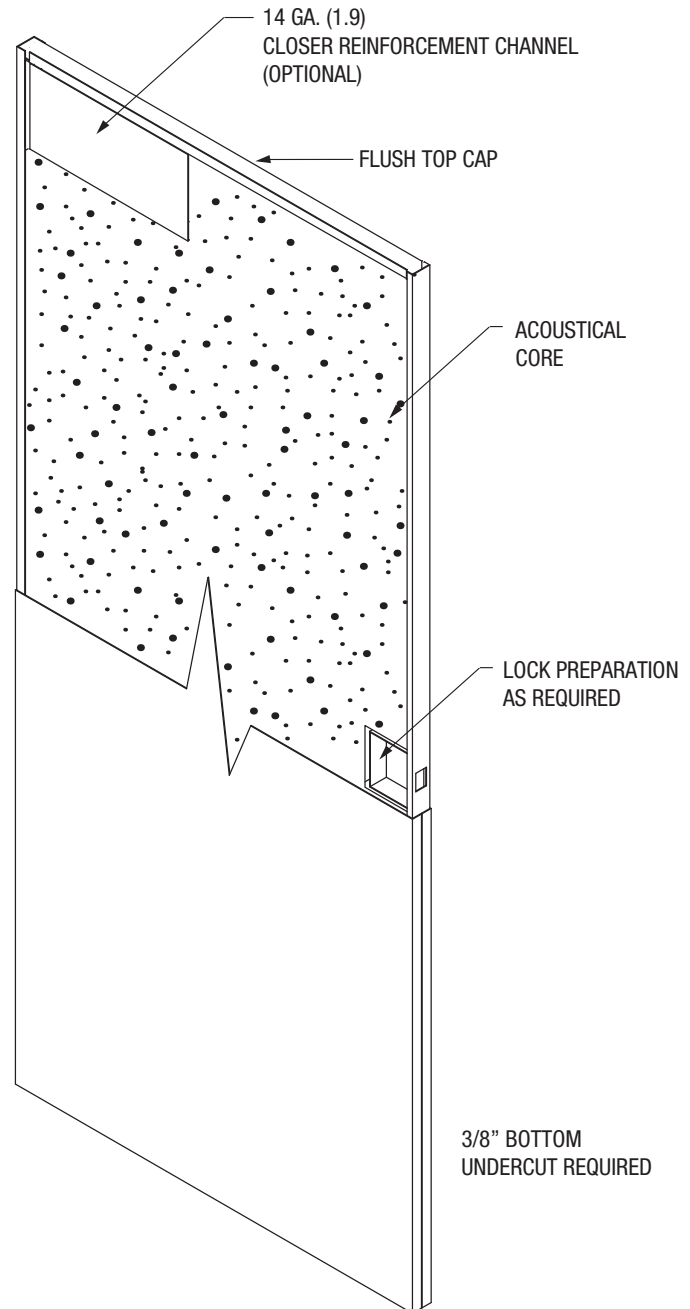
(MAY VARY DEPENDING ON FEATURES/REQUIREMENTS OF OPENINGS)

PERIMETER:

PEMKO S44

BOTTOM:

PEMKO 2008 PK



**STANDARDS COMPLIANCE:**

ASTM E 90, ASTM E 1332, ASTM E2235, ASTM E413, SDI 128
AND HMMMA 865

NOTES:

1. MUTES NOT ALLOWED
2. SURFACE CLOSER ONLY
3. STC LABEL APPLIED TO DOOR ONLY
4. WALL CONSTRUCTION NEEDS TO BE EQUAL OR GREATER STC VALUE AS DOOR/FRAME
5. THE FRAMES MUST BE MORTAR FILLED TO ACHIEVE AN STC RATING OF 40 AND ABOVE
6. 1-3/4" THICK DOORS
7. FRAMES MUST BE SINGLE OR DOUBLE RABBET, CONTINUOUSLY WELDED. 16 OR 14 GAUGE, STANDARD HOLLOW METAL FRAME
8. HINGES - 4-1/2" STANDARD OR HEAVYWEIGHT, 5" STANDARD OR HEAVYWEIGHT
9. ELECTRIC RACEWAYS ARE ALLOWED
10. ALL SEALS & THRESHOLDS INCLUDED
11. OTHER NON-TESTED ASSEMBLIES ARE AVAILABLE. CONTACT FACTORY FOR DETAILS.

OPTIONAL HARDWARE PREPARATIONS:**ELECTRIC POWER TRANSFER (EPT), MAG SWITCH, AND DEADLOCK**

STC 41 WITH CYLINDRICAL LOCK. OPTIONAL PREPS NOT ALLOWED.

FIRE RATING:

3 HR. MAX

OPENING SIZES:

MINIMUM SIZE - 2'0" X 6'8" SINGLE
MAXIMUM SIZE - 4'0" X 8'0" SINGLE

FACE TYPES:

FLUSH ONLY – NO LITES ALLOWED

SEAL SET #1:

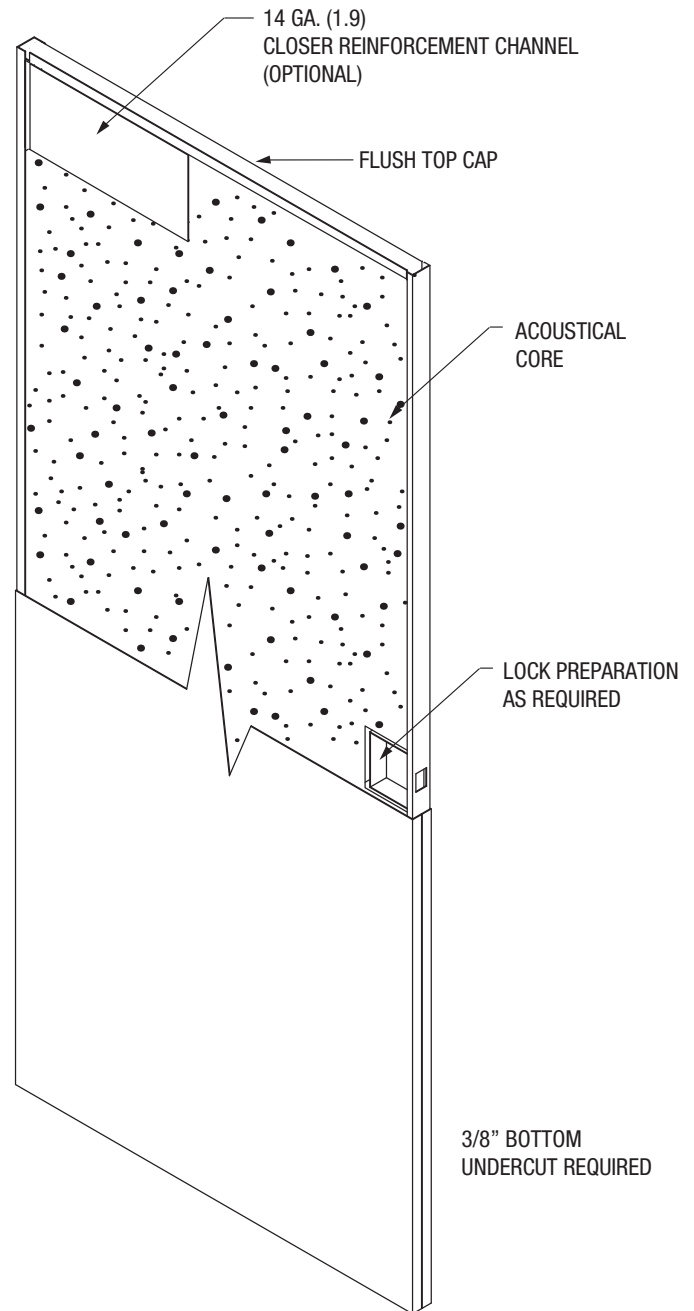
(MAY VARY DEPENDING ON FEATURES/REQUIREMENTS OF OPENINGS)

PERIMETER:

PEMKO S44 (2)

BOTTOM:

PEMKO 2008 PK



May, 2016

STANDARDS COMPLIANCE:

ASTM E 90, ASTM E 1332, ASTM E2235, ASTM E413, SDI 128
AND HMMA 865

NOTES:

1. MUTES NOT ALLOWED
2. SURFACE CLOSER ONLY
3. STC LABEL APPLIED TO DOOR ONLY
4. WALL CONSTRUCTION NEEDS TO BE EQUAL OR GREATER
STC VALUE AS DOOR/FRAME
5. THE FRAME MUST BE MORTAR FILLED TO ACHIEVE THE STC RATING
6. 1-3/4" THICK DOORS
7. FRAMES MUST BE SINGLE OR DOUBLE RABBET,
CONTINUOUSLY WELDED. 16 OR 14 GAUGE, STANDARD
HOLLOW METAL FRAME
8. HINGES - 4-1/2" STANDARD OR HEAVYWEIGHT,
5" STANDARD OR HEAVYWEIGHT
9. ELECTRIC RACEWAYS ARE ALLOWED
10. ALL SEALS & THRESHOLDS INCLUDED
11. OTHER NON-TESTED ASSEMBLIES ARE AVAILABLE.
CONTACT FACTORY FOR DETAILS.

OPTIONAL HARDWARE PREPARATIONS ARE:**ELECTRIC POWER TRANSFER (EPT), MAG SWITCH, AND DEADLOCK**

STC 42 WITH CYLINDRICAL LOCK MAY HAVE ANY COMBINATION OF
(3) OPTIONAL PREPS.

STC 42 WITH MORTISE LOCK MAY HAVE ANY COMBINATION OF
(3) OPTIONAL PREPS.

STC 42 WITH RIM PANIC MAY HAVE ANY COMBINATION OF
(3) OPTIONAL PREPS.

STC 42 WITH LOCKMASTER/MILITARY LOCK MAY HAVE ANY
COMBINATION OF (3) OPTIONAL PREPS.

FIRE RATING:

3 HR. MAX.

OPENING SIZES:

MINIMUM SIZE - 2'0" X 6'8" SINGLE

MAXIMUM SIZE - 4'0" X 8'0" SINGLE

FACE TYPES:

FLUSH ONLY – NO LITES ALLOWED

SEAL SET #6:

(MAY VARY DEPENDING ON FEATURES/REQUIREMENTS OF
OPENINGS)

PERIMETER:

PEMKO S773

PEMKO S44

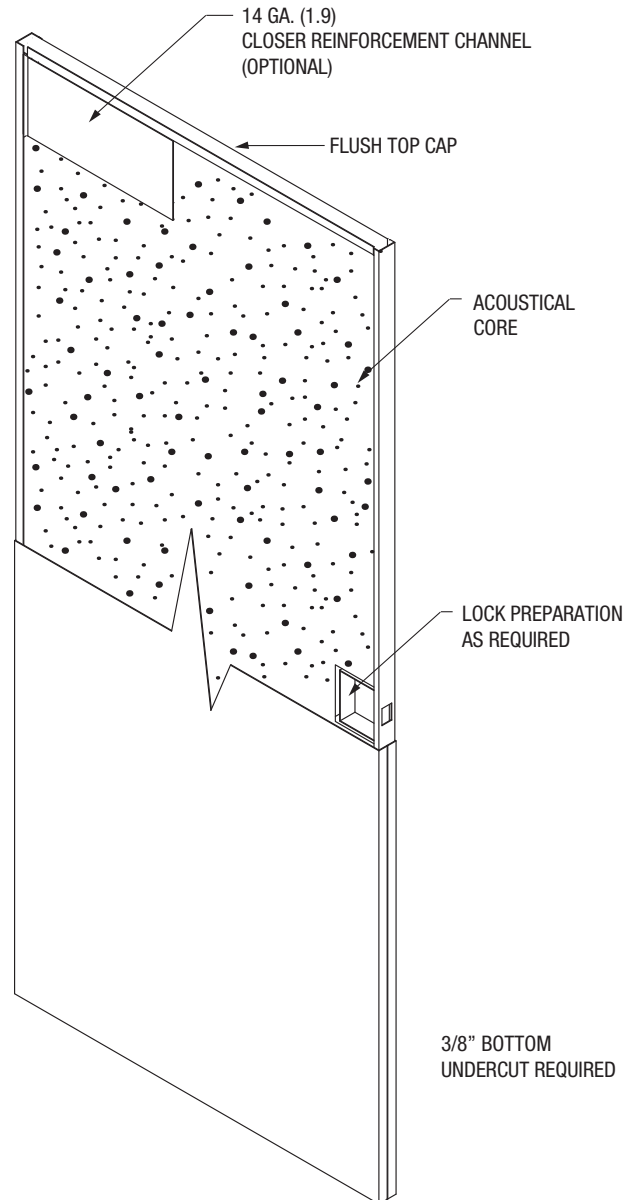
PEMKO S88

BOTTOM:

PEMKO S771 (2)

PEMKO 2008 PK

PEMKO ACP112



**STANDARDS COMPLIANCE:**

ASTM E 90, ASTM E 1332, ASTM E2235, ASTM E413, SDI 128
AND HMMA 865

NOTES:

1. MUTES NOT ALLOWED
2. SURFACE CLOSER ONLY
3. STC LABEL APPLIED TO DOOR ONLY
4. WALL CONSTRUCTION NEEDS TO BE EQUAL OR GREATER
STC VALUE AS DOOR/FRAME
5. THE FRAME MUST BE MORTAR FILLED TO ACHIEVE THE STC RATING
6. 1-3/4" THICK DOORS
7. FRAMES MUST BE SINGLE OR DOUBLE RABBET,
CONTINUOUSLY WELDED. 16 OR 14 GAUGE, STANDARD
HOLLOW METAL FRAME
8. HINGES - 4-1/2" STANDARD OR HEAVYWEIGHT,
5" STANDARD OR HEAVYWEIGHT
9. ELECTRIC RACEWAYS ARE ALLOWED
10. ALL SEALS & THRESHOLDS INCLUDED
11. OTHER NON-TESTED ASSEMBLIES ARE AVAILABLE.
CONTACT FACTORY FOR DETAILS.

OPTIONAL HARDWARE PREPARATIONS ARE:**ELECTRIC POWER TRANSFER (EPT), MAG SWITCH, AND DEADLOCK**

STC 43 WITH CYLINDRICAL LOCK MAY HAVE ANY COMBINATION OF
(3) OPTIONAL PREPS.

STC 43 WITH MORTISE LOCK MAY HAVE ANY COMBINATION OF
(3) OPTIONAL PREPS.

STC 43 WITH RIM PANIC MAY HAVE ANY COMBINATION OF
(3) OPTIONAL PREPS.

STC 43 WITH LOCKMASTER/MILITARY LOCK MAY HAVE ANY
COMBINATION OF (3) OPTIONAL PREPS.

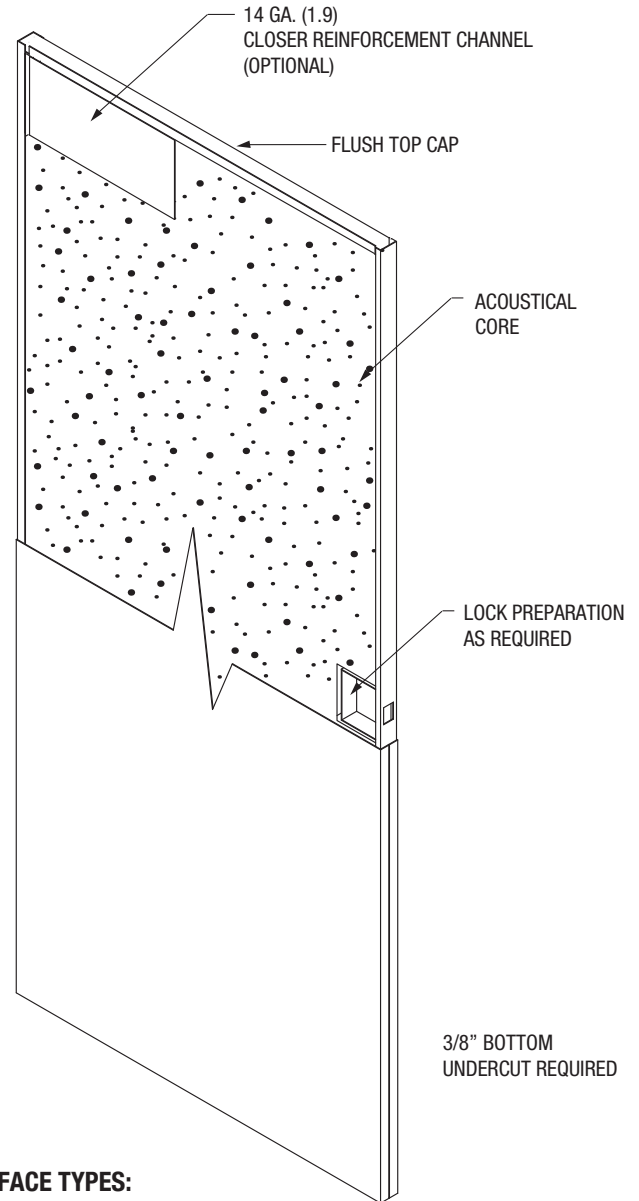
FIRE RATING:

3 HR. MAX.

OPENING SIZES:

MINIMUM SIZE - 2'0" X 6'8" SINGLE

MAXIMUM SIZE - 4'0" X 8'0" SINGLE

**FACE TYPES:**

FLUSH ONLY – NO LITES ALLOWED

SEAL SET #6:

(MAY VARY DEPENDING ON FEATURES/REQUIREMENTS OF
OPENINGS)

PERIMETER:

PEMKO S773

PEMKO S44

PEMKO S88

BOTTOM:

PEMKO S771 (2)

PEMKO 2008 PK

PEMKO ACP112

May, 2016

**STANDARDS COMPLIANCE:**

ASTM E 90, ASTM E 1332, ASTM E2235, ASTM E413, SDI 128
AND HMMA 865

NOTES:

1. MUTES NOT ALLOWED
2. SURFACE CLOSER ONLY
3. STC LABEL APPLIED TO DOOR ONLY
4. WALL CONSTRUCTION NEEDS TO BE EQUAL OR GREATER STC VALUE AS DOOR/FRAME
5. THE FRAME MUST BE MORTAR FILLED TO ACHIEVE THE STC RATING
6. 1-3/4" THICK DOORS
7. FRAMES MUST BE SINGLE OR DOUBLE RABBET, CONTINUOUSLY WELDED. 16 OR 14 GAUGE, STANDARD HOLLOW METAL FRAME
8. HINGES - 4-1/2" STANDARD OR HEAVYWEIGHT, 5" STANDARD OR HEAVYWEIGHT
9. ELECTRIC RACEWAYS ARE ALLOWED
10. ALL SEALS & THRESHOLDS INCLUDED
11. OTHER NON-TESTED ASSEMBLIES ARE AVAILABLE. CONTACT FACTORY FOR DETAILS.

OPTIONAL HARDWARE PREPARATIONS ARE:**ELECTRIC POWER TRANSFER (EPT), MAG SWITCH, AND DEADLOCK**

STC 44 WITH CYLINDRICAL LOCK MAY HAVE ANY COMBINATION OF
(3) OPTIONAL PREPS.

STC 44 WITH MORTISE LOCK MAY HAVE ANY COMBINATION OF
(3) OPTIONAL PREPS.

STC 44 WITH RIM PANIC MAY HAVE ANY COMBINATION OF
(3) OPTIONAL PREPS.

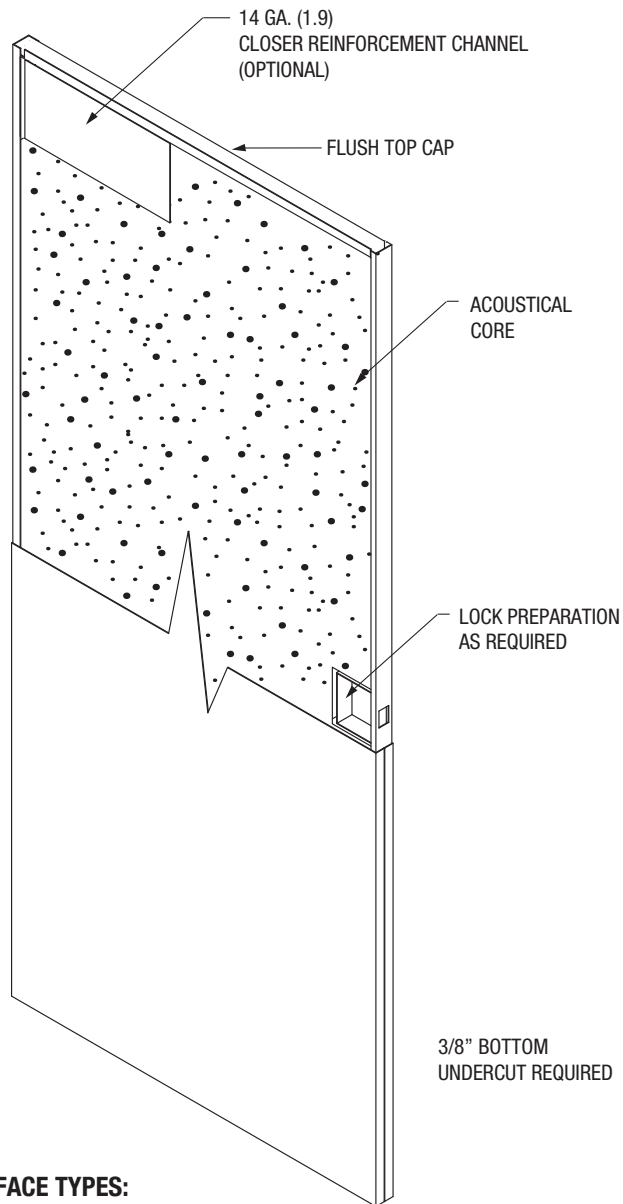
STC 44 WITH LOCKMASTER/MILITARY LOCK MAY HAVE ANY
COMBINATION OF (3) OPTIONAL PREPS.

FIRE RATING:

3 HR. MAX.

OPENING SIZES:

MINIMUM SIZE - 2'0" X 6'8" SINGLE
MAXIMUM SIZE - 4'0" X 8'0" SINGLE

**FACE TYPES:**

FLUSH ONLY – NO LITES ALLOWED

SEAL SET #6:

(MAY VARY DEPENDING ON FEATURES/REQUIREMENTS OF
OPENINGS)

PERIMETER:

PEMKO S773
PEMKO S44
PEMKO S88

BOTTOM:

PEMKO S771 (2)
PEMKO 2008 PK
PEMKO ACP112

**STANDARDS COMPLIANCE:**

ASTM E 90, ASTM E 1332, ASTM E2235, ASTM E413, SDI 128
AND HMMMA 865

NOTES:

1. MUTES NOT ALLOWED
2. SURFACE CLOSER ONLY
3. STC LABEL APPLIED TO DOOR ONLY
4. WALL CONSTRUCTION NEEDS TO BE EQUAL OR GREATER
STC VALUE AS DOOR/FRAME
5. THE FRAME MUST BE MORTAR FILLED TO ACHIEVE THE STC RATING
6. 1-3/4" THICK DOORS
7. FRAMES MUST BE SINGLE OR DOUBLE RABBET,
CONTINUOUSLY WELDED. 16 OR 14 GAUGE, STANDARD
HOLLOW METAL FRAME
8. HINGES - 4-1/2" STANDARD OR HEAVYWEIGHT,
5" STANDARD OR HEAVYWEIGHT
9. ELECTRIC RACEWAYS ARE ALLOWED
10. ALL SEALS & THRESHOLDS INCLUDED
11. OTHER NON-TESTED ASSEMBLIES ARE AVAILABLE.
CONTACT FACTORY FOR DETAILS.

OPTIONAL HARDWARE PREPARATIONS ARE:**ELECTRIC POWER TRANSFER (EPT), MAG SWITCH, AND DEADLOCK**

STC 45 WITH CYLINDRICAL LOCK MAY HAVE ANY COMBINATION OF
(3) OPTIONAL PREPS.

STC 45 WITH MORTISE LOCK MAY HAVE ANY COMBINATION OF
(3) OPTIONAL PREPS.

STC 45 WITH RIM PANIC MAY HAVE ANY COMBINATION OF
(3) OPTIONAL PREPS.

STC 45 WITH LOCKMASTER/MILITARY LOCK MAY HAVE ANY
COMBINATION OF (3) OPTIONAL PREPS.

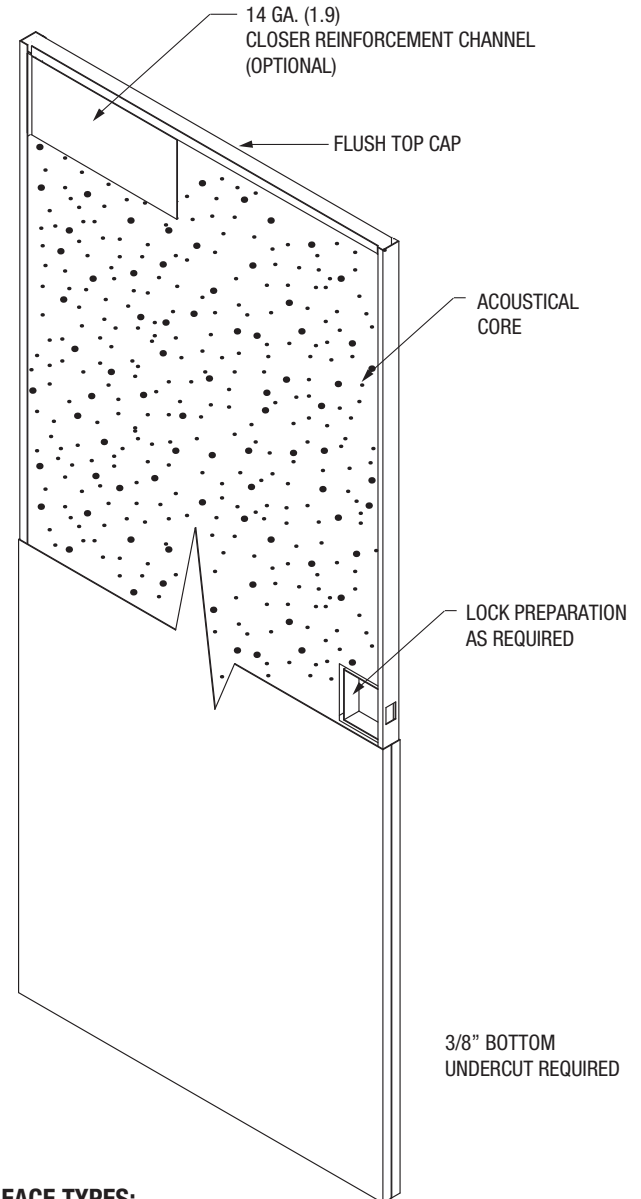
FIRE RATING:

3 HR. MAX.

OPENING SIZES:

MINIMUM SIZE - 2'0" X 6'8" SINGLE

MAXIMUM SIZE - 4'0" X 8'0" SINGLE

**FACE TYPES:**

FLUSH ONLY – NO LITES ALLOWED

SEAL SET #6:

(MAY VARY DEPENDING ON FEATURES/REQUIREMENTS OF
OPENINGS)

PERIMETER:

PEMKO S773

PEMKO S44

PEMKO S88

BOTTOM:

PEMKO S771 (2)

PEMKO 2008 PK

PEMKO ACP112



May, 2016

**STANDARDS COMPLIANCE:**

ASTM E 90, ASTM E 1332, ASTM E2235, ASTM E413, SDI 128
AND HMMA 865

NOTES:

1. MUTES NOT ALLOWED
2. SURFACE CLOSER ONLY
3. STC LABEL APPLIED TO DOOR ONLY
4. WALL CONSTRUCTION NEEDS TO BE EQUAL OR GREATER
STC VALUE AS DOOR/FRAME
5. THE FRAME MUST BE MORTAR FILLED TO ACHIEVE THE STC RATING
6. 1-3/4" THICK DOORS
7. FRAMES MUST BE SINGLE OR DOUBLE RABBET,
CONTINUOUSLY WELDED. 16 OR 14 GAUGE, STANDARD
HOLLOW METAL FRAME
8. HINGES - 4-1/2" STANDARD OR HEAVYWEIGHT,
5" STANDARD OR HEAVYWEIGHT
9. ELECTRIC RACEWAYS ARE ALLOWED
10. ALL SEALS & THRESHOLDS INCLUDED
11. OTHER NON-TESTED ASSEMBLIES ARE AVAILABLE.
CONTACT FACTORY FOR DETAILS.

OPTIONAL HARDWARE PREPARATIONS ARE:**ELECTRIC POWER TRANSFER (EPT), MAG SWITCH, AND DEADLOCK**

STC 46 WITH CYLINDRICAL LOCK MAY HAVE ANY COMBINATION OF
(3) OPTIONAL PREPS.

STC 46 WITH MORTISE LOCK MAY HAVE ANY COMBINATION OF
(3) OPTIONAL PREPS.

STC 46 WITH RIM PANIC MAY HAVE ANY COMBINATION OF
(3) OPTIONAL PREPS.

STC 46 WITH LOCKMASTER/MILITARY LOCK MAY HAVE ANY
COMBINATION OF (3) OPTIONAL PREPS.

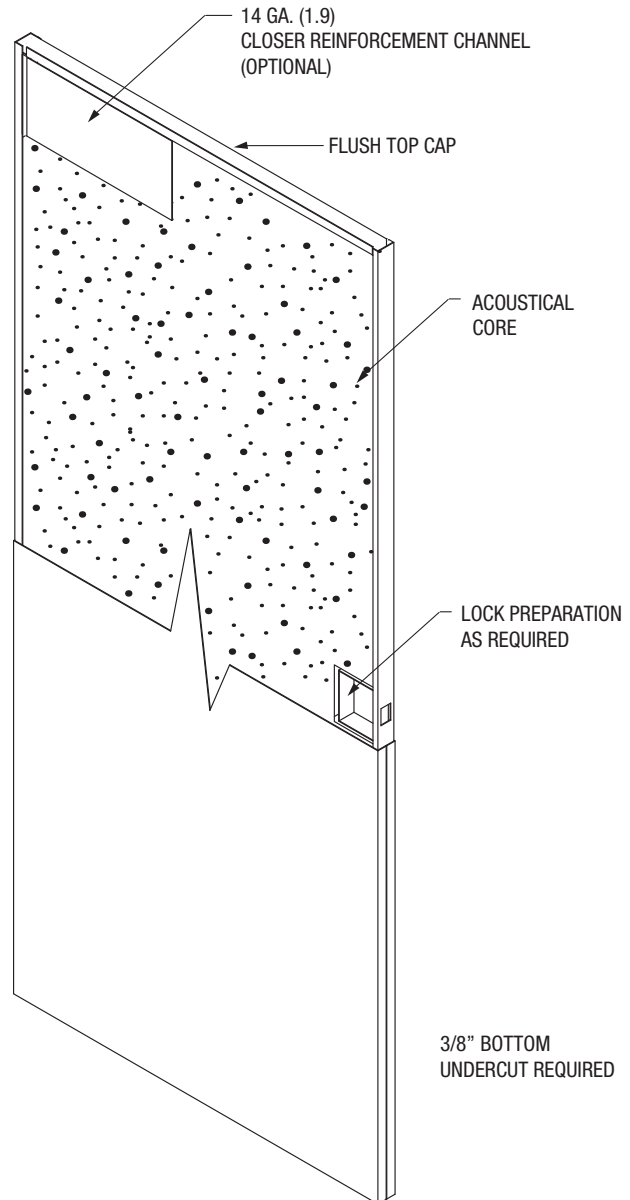
FIRE RATING:

3 HR. MAX.

OPENING SIZES:

MINIMUM SIZE - 2'0" X 6'8" SINGLE

MAXIMUM SIZE - 4'0" X 8'0" SINGLE

**FACE TYPES:**

FLUSH ONLY – NO LITES ALLOWED

SEAL SET #6:

(MAY VARY DEPENDING ON FEATURES/REQUIREMENTS OF
OPENINGS)

PERIMETER:

PEMCO S773

PEMCO S44

PEMCO S88

BOTTOM:

PEMCO S771 (2)

PEMCO 2008 PK

PEMCO ACP112

L

STANDARDS COMPLIANCE:

ASTM E 90, ASTM E 1332, ASTM E2235, ASTM E413, SDI 128 AND HMMA 865

NOTES:

1. MUTES NOT ALLOWED
2. SURFACE CLOSER ONLY
3. STC LABEL APPLIED TO DOOR ONLY
4. WALL CONSTRUCTION NEEDS TO BE EQUAL OR GREATER STC VALUE AS DOOR/FRAME
5. THE FRAME MUST BE MORTAR FILLED TO ACHIEVE THE STC RATING
6. 1-3/4" THICK DOORS
7. FRAMES MUST BE SINGLE OR DOUBLE RABBET, CONTINUOUSLY WELDED. 16 OR 14 GAUGE, STANDARD HOLLOW METAL FRAME
8. HINGES - 4-1/2" STANDARD OR HEAVYWEIGHT, 5" STANDARD OR HEAVYWEIGHT
9. ELECTRIC RACEWAYS ARE ALLOWED
10. ALL SEALS & THRESHOLDS INCLUDED
11. OTHER NON-TESTED ASSEMBLIES ARE AVAILABLE. CONTACT FACTORY FOR DETAILS.

OPTIONAL HARDWARE PREPARATIONS ARE:

ELECTRIC POWER TRANSFER (EPT), MAG SWITCH, AND DEADLOCK

STC 47 WITH CYLINDRICAL LOCK MAY HAVE ANY COMBINATION OF (3) OPTIONAL PREPS.

STC 47 WITH MORTISE LOCK MAY HAVE ANY COMBINATION OF (3) OPTIONAL PREPS.

STC 47 WITH RIM PANIC MAY HAVE ANY COMBINATION OF (3) OPTIONAL PREPS.

STC 47 WITH LOCKMASTER/MILITARY LOCK MAY HAVE ANY COMBINATION OF (3) OPTIONAL PREPS.

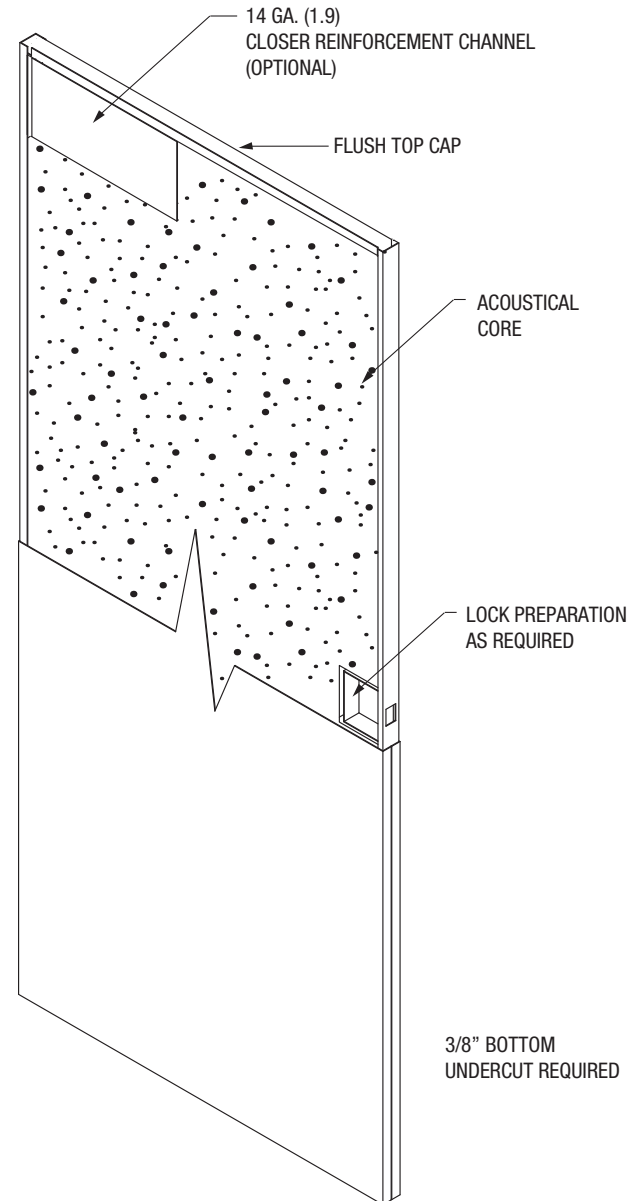
FIRE RATING:

3 HR. MAX.

OPENING SIZES:

MINIMUM SIZE - 2'0" X 6'8" SINGLE

MAXIMUM SIZE - 4'0" X 8'0" SINGLE



FACE TYPES:

FLUSH ONLY – NO LITES ALLOWED

SEAL SET #6:

(MAY VARY DEPENDING ON FEATURES/REQUIREMENTS OF OPENINGS)

PERIMETER:

PEMKO S773

PEMKO S44

PEMKO S88

BOTTOM:

PEMKO S771 (2)

PEMKO 2008 PK

PEMKO ACP112

May, 2016

**STANDARDS COMPLIANCE:**

ASTM E 90, ASTM E 1332, ASTM E2235, ASTM E413, SDI 128
AND HMMA 865

NOTES:

1. MUTES NOT ALLOWED
2. SURFACE CLOSER ONLY
3. STC LABEL APPLIED TO DOOR ONLY
4. WALL CONSTRUCTION NEEDS TO BE EQUAL OR GREATER STC VALUE AS DOOR/FRAME
5. THE FRAME MUST BE MORTAR FILLED TO ACHIEVE THE STC RATING
6. 1-3/4" THICK DOORS
7. FRAMES MUST BE SINGLE OR DOUBLE RABBET, CONTINUOUSLY WELDED. 16 OR 14 GAUGE, STANDARD HOLLOW METAL FRAME
8. HINGES - 4-1/2" STANDARD OR HEAVYWEIGHT, 5" STANDARD OR HEAVYWEIGHT
9. ELECTRIC RACEWAYS ARE ALLOWED
10. ALL SEALS & THRESHOLDS INCLUDED
11. OTHER NON-TESTED ASSEMBLIES ARE AVAILABLE. CONTACT FACTORY FOR DETAILS.

OPTIONAL HARDWARE PREPARATIONS ARE:**ELECTRIC POWER TRANSFER (EPT), MAG SWITCH, AND DEADLOCK**

STC 48 WITH CYLINDRICAL LOCK MAY HAVE ANY COMBINATION OF
(3) OPTIONAL PREPS.

STC 48 WITH MORTISE LOCK MAY HAVE ANY COMBINATION OF
(3) OPTIONAL PREPS.

STC 48 WITH RIM PANIC MAY HAVE ANY COMBINATION OF
(3) OPTIONAL PREPS.

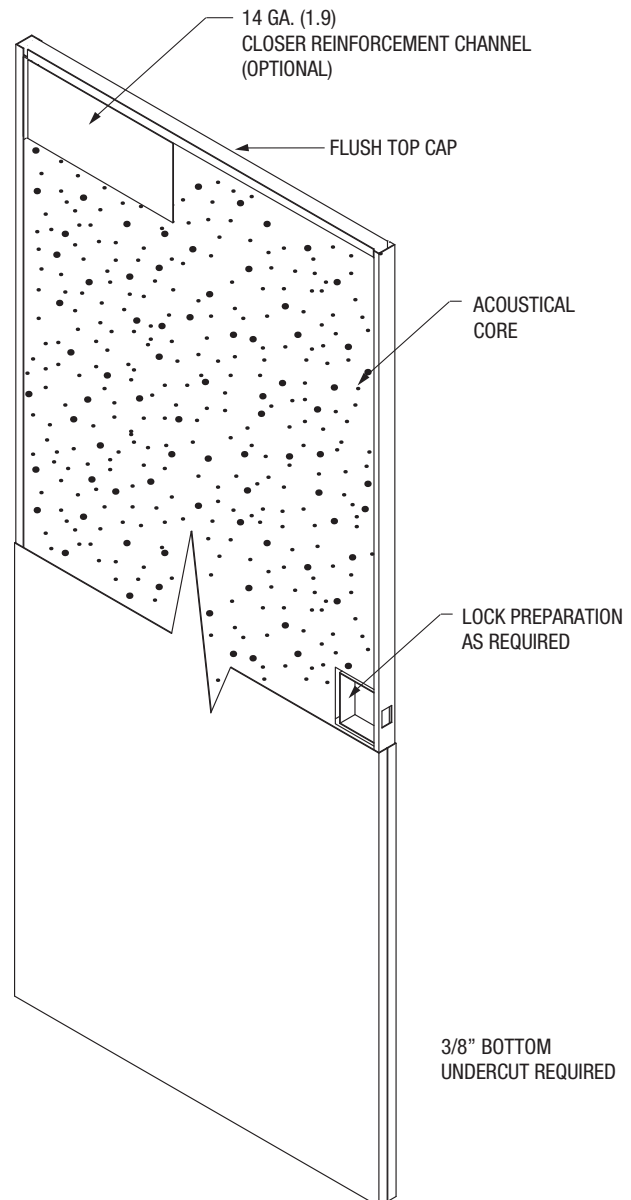
STC 48 WITH LOCKMASTER/MILITARY LOCK MAY HAVE ANY
COMBINATION OF (2) OPTIONAL PREPS.

FIRE RATING:

3 HR. MAX.

OPENING SIZES:

MINIMUM SIZE - 2'0" X 6'8" SINGLE
MAXIMUM SIZE - 4'0" X 8'0" SINGLE

**FACE TYPES:**

FLUSH ONLY – NO LITES ALLOWED

SEAL SET #6:

(MAY VARY DEPENDING ON FEATURES/REQUIREMENTS OF OPENINGS)

PERIMETER:

PEMKO S773
PEMKO S44
PEMKO S88

BOTTOM:

PEMKO S771 (2)
PEMKO 2008 PK
PEMKO ACP112



STANDARDS COMPLIANCE:

ASTM E 90, ASTM E 1332, ASTM E2235, ASTM E413, SDI 128 AND HMMA 865

NOTES:

1. MUTES NOT ALLOWED
2. SURFACE CLOSER ONLY
3. STC LABEL APPLIED TO DOOR ONLY
4. WALL CONSTRUCTION NEEDS TO BE EQUAL OR GREATER STC VALUE AS DOOR/FRAME
5. THE FRAME MUST BE MORTAR FILLED TO ACHIEVE THE STC RATING
6. 1-3/4" THICK DOORS
7. FRAMES MUST BE SINGLE OR DOUBLE RABBET, CONTINUOUSLY WELDED. 16 OR 14 GAUGE, STANDARD HOLLOW METAL FRAME
8. HINGES - 4-1/2" STANDARD OR HEAVYWEIGHT, 5" STANDARD OR HEAVYWEIGHT
9. ELECTRIC RACEWAYS ARE ALLOWED
10. ALL SEALS & THRESHOLDS INCLUDED
11. OTHER NON-TESTED ASSEMBLIES ARE AVAILABLE. CONTACT FACTORY FOR DETAILS.

OPTIONAL HARDWARE PREPARATIONS ARE:

ELECTRIC POWER TRANSFER (EPT), MAG SWITCH, AND DEADLOCK

STC 49 WITH CYLINDRICAL LOCK MAY HAVE ANY COMBINATION OF (3) OPTIONAL PREPS.

STC 49 WITH MORTISE LOCK MAY HAVE ANY COMBINATION OF (3) OPTIONAL PREPS.

STC 49 WITH LOCKMASTER/MILITARY LOCK MAY HAVE (1) OPTIONAL PREP.

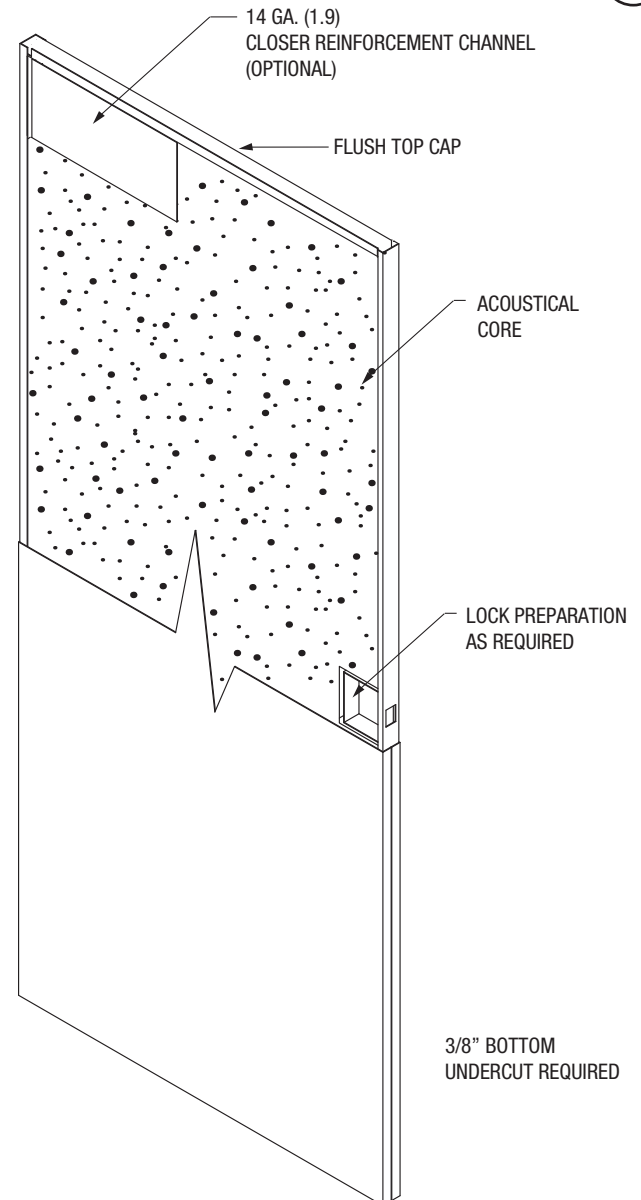
STC 49 WITH RIM PANIC MAY HAVE ANY COMBINATION OF (2) OPTIONAL PREPS.

FIRE RATING:

3 HR. MAX.

OPENING SIZES:

MINIMUM SIZE - 2'0" X 6'8" SINGLE
 MAXIMUM SIZE - 4'0" X 8'0" SINGLE



FACE TYPES:

FLUSH ONLY – NO LITES ALLOWED

SEAL SET #6:

(MAY VARY DEPENDING ON FEATURES/REQUIREMENTS OF OPENINGS)

PERIMETER:

PEMKO S773
 PEMKO S44
 PEMKO S88

BOTTOM:

PEMKO S771 (2)
 PEMKO 2008 PK
 PEMKO ACP112

May, 2016

**STANDARDS COMPLIANCE:**

ASTM E 90, ASTM E 1332, ASTM E2235, ASTM E413, SDI 128
AND HMMA 865

NOTES:

1. MUTES NOT ALLOWED
2. SURFACE CLOSER ONLY
3. STC LABEL APPLIED TO DOOR ONLY
4. WALL CONSTRUCTION NEEDS TO BE EQUAL OR GREATER
STC VALUE AS DOOR/FRAME
5. THE FRAME MUST BE MORTAR FILLED TO ACHIEVE THE STC RATING
6. 1-3/4" THICK DOORS
7. FRAMES MUST BE SINGLE OR DOUBLE RABBET,
CONTINUOUSLY WELDED. 16 OR 14 GAUGE, STANDARD
HOLLOW METAL FRAME
8. HINGES - 4-1/2" STANDARD OR HEAVYWEIGHT,
5" STANDARD OR HEAVYWEIGHT
9. ELECTRIC RACEWAYS ARE ALLOWED
10. ALL SEALS & THRESHOLDS INCLUDED
11. OTHER NON-TESTED ASSEMBLIES ARE AVAILABLE.
CONTACT FACTORY FOR DETAILS.

OPTIONAL HARDWARE PREPARATIONS ARE:**ELECTRIC POWER TRANSFER (EPT), MAG SWITCH, AND DEADLOCK**

STC 50 WITH CYLINDRICAL LOCK MAY HAVE ANY COMBINATION OF
(3) OPTIONAL PREPS.

STC 50 WITH MORTISE LOCK MAY HAVE ANY COMBINATION OF
(2) OPTIONAL PREPS.

STC 50 WITH RIM PANIC MAY HAVE (1) OPTIONAL PREP.

STC 50 WITH LOCKMASTER/MILITARY LOCK OPTIONAL PREPS ARE
NOT AVAILABLE.

FIRE RATING:

3 HR. MAX.

OPENING SIZES:

MINIMUM SIZE - 2'0" X 6'8" SINGLE

MAXIMUM SIZE - 4'0" X 8'0" SINGLE

FACE TYPES:

FLUSH ONLY – NO LITES ALLOWED

SEAL SET #6:

(MAY VARY DEPENDING ON FEATURES/REQUIREMENTS OF
OPENINGS)

PERIMETER:

PEMKO S773

PEMKO S44

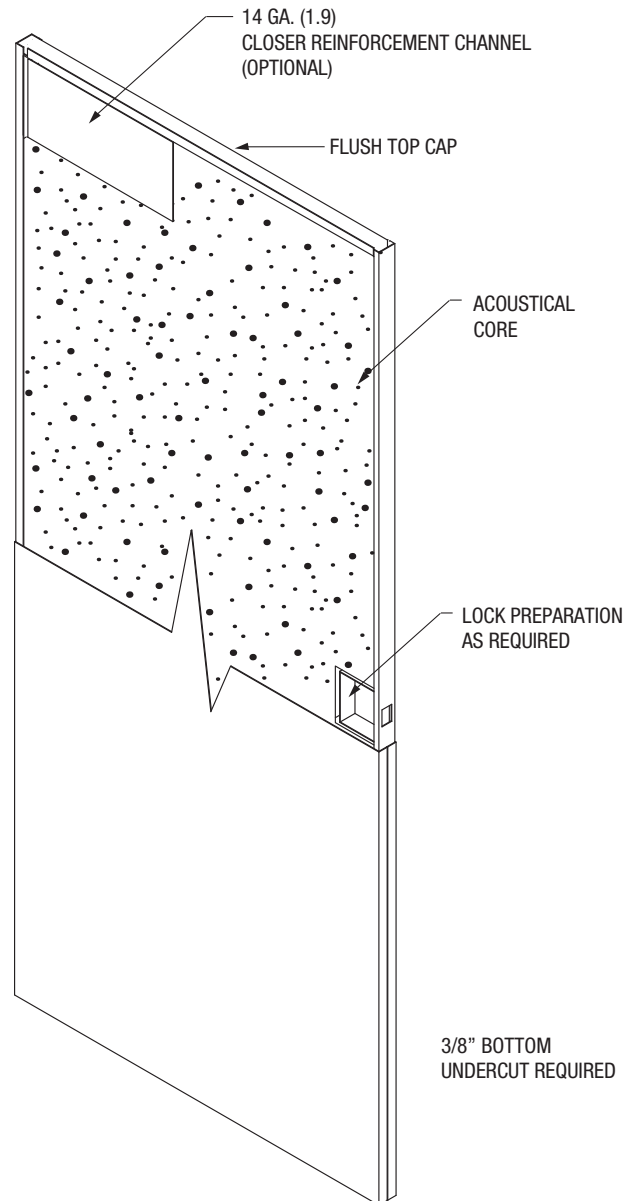
PEMKO S88

BOTTOM:

PEMKO S771 (2)

PEMKO 2008 PK

PEMKO ACP112



**STANDARDS COMPLIANCE:**

ASTM E 90, ASTM E 1332, ASTM E2235, ASTM E413, SDI 128
AND HMMMA 865

NOTES:

1. MUTES NOT ALLOWED
2. SURFACE CLOSER ONLY
3. STC LABEL APPLIED TO DOOR ONLY
4. WALL CONSTRUCTION NEEDS TO BE EQUAL OR GREATER
STC VALUE AS DOOR/FRAME
5. THE FRAME MUST BE MORTAR FILLED TO ACHIEVE THE STC RATING
6. 1-3/4" THICK DOORS
7. FRAMES MUST BE SINGLE OR DOUBLE RABBET,
CONTINUOUSLY WELDED. 16 OR 14 GAUGE, STANDARD
HOLLOW METAL FRAME
8. HINGES - 4-1/2" STANDARD OR HEAVYWEIGHT,
5" STANDARD OR HEAVYWEIGHT
9. ELECTRIC RACEWAYS ARE ALLOWED
10. ALL SEALS & THRESHOLDS INCLUDED
11. OTHER NON-TESTED ASSEMBLIES ARE AVAILABLE.
CONTACT FACTORY FOR DETAILS.

OPTIONAL HARDWARE PREPARATIONS ARE:**ELECTRIC POWER TRANSFER (EPT), MAG SWITCH, AND DEADLOCK**

STC 51 WITH CYLINDRICAL LOCK MAY HAVE ANY COMBINATION
OF (2) OPTIONAL PREPS.

STC 51 WITH MORTISE LOCK MAY HAVE (1) OPTIONAL PREP.

STC 51 WITH RIM PANIC OPTIONAL PREPS ARE NOT AVAILABLE.

FIRE RATING:

3 HR. MAX.

OPENING SIZES:

MINIMUM SIZE - 2'0" X 6'8" SINGLE

MAXIMUM SIZE - 4'0" X 8'0" SINGLE

FACE TYPES:

FLUSH ONLY – NO LITES ALLOWED

SEAL SET #6:

(MAY VARY DEPENDING ON FEATURES/REQUIREMENTS OF
OPENINGS)

PERIMETER:

PEMKO S773

PEMKO S44

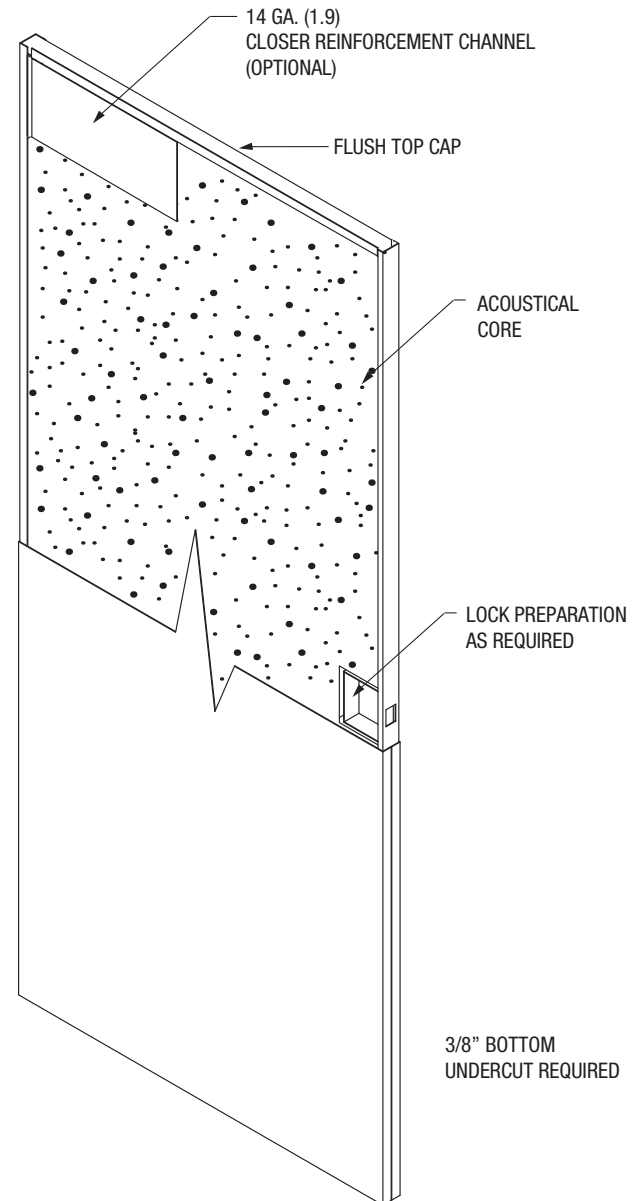
PEMKO S88

BOTTOM:

PEMKO S771 (2)

PEMKO 2008 PK

PEMKO ACP112





**STANDARDS COMPLIANCE:**

ASTM E 90, ASTM E 1332, ASTM E2235, ASTM E413, SDI 128
AND HMMA 865

NOTES:

1. MUTES NOT ALLOWED
2. SURFACE CLOSER ONLY
3. STC LABEL APPLIED TO DOOR ONLY
4. WALL CONSTRUCTION NEEDS TO BE EQUAL OR GREATER
STC VALUE AS DOOR/FRAME
5. THE FRAME MUST BE MORTAR FILLED TO ACHIEVE THE STC
RATING
6. 1-3/4" THICK DOORS
7. FRAMES MUST BE SINGLE OR DOUBLE RABBET,
CONTINUOUSLY WELDED. 16 OR 14 GAUGE, STANDARD
HOLLOW METAL FRAME
8. HINGES - 4-1/2" STANDARD OR HEAVYWEIGHT,
5" STANDARD OR HEAVYWEIGHT
9. ELECTRIC RACEWAYS ARE ALLOWED
10. ALL SEALS & THRESHOLDS INCLUDED
11. OTHER NON-TESTED ASSEMBLIES ARE AVAILABLE.
CONTACT FACTORY FOR DETAILS.

HARDWARE LIMITATIONS:

STC 52 - CYLINDRICAL OR MORTISE ONLY

FIRE RATING:

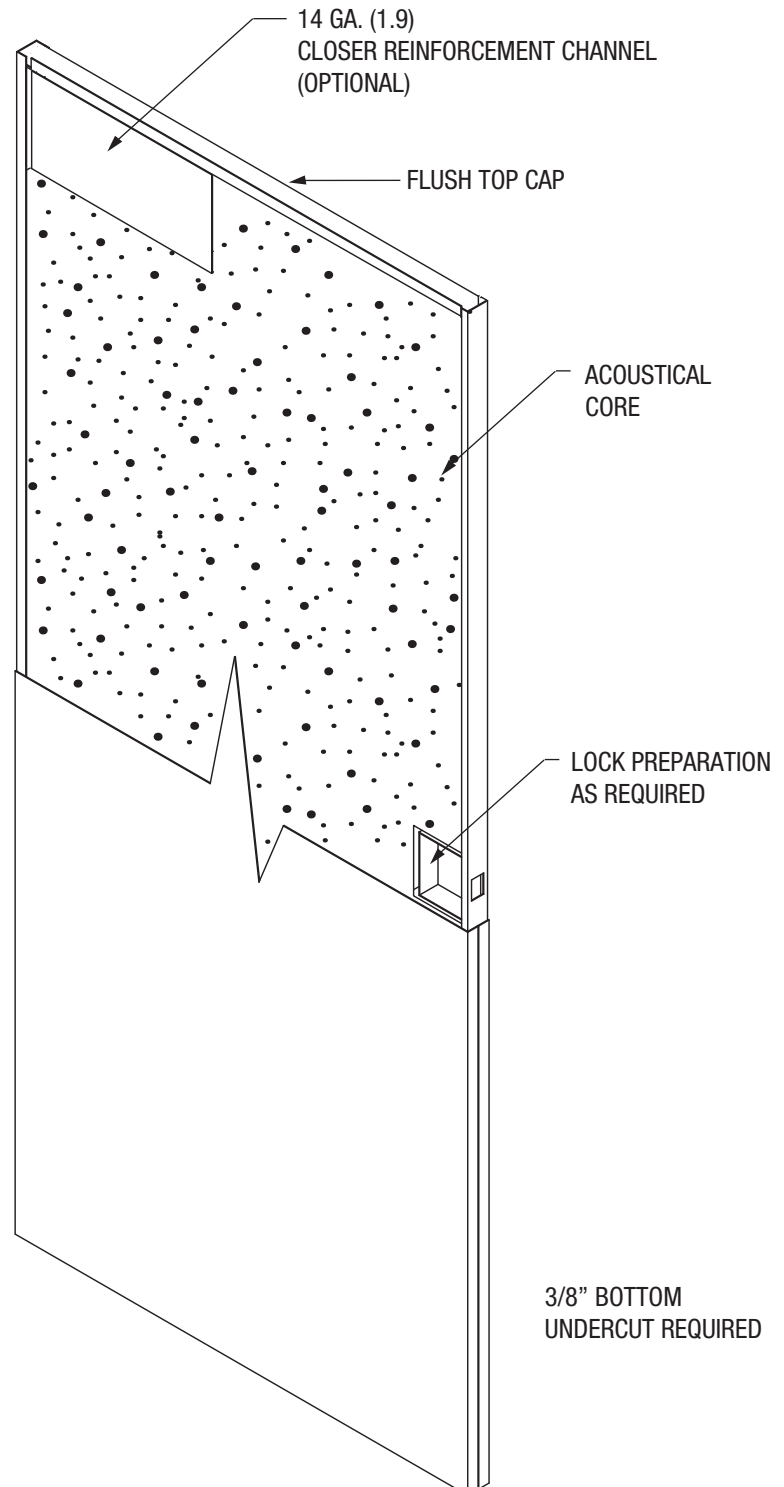
STC 52 - NON RATED ONLY

OPENING SIZES:

MINIMUM SIZE - 2'0" X 6'8" SINGLE
MAXIMUM SIZE - 4'0" X 8'0" SINGLE

FACE TYPES:

FLUSH ONLY – NO LITES ALLOWED



May, 2016

**STANDARDS COMPLIANCE:**

ASTM E 90, ASTM E 1332, ASTM E2235, ASTM E413, SDI 128
AND HMMA 865

NOTES:

1. MUTES NOT ALLOWED
2. SURFACE CLOSER ONLY
3. STC LABEL APPLIED TO DOOR ONLY
4. SAME AS STC 52-54 PAGE
5. 2-1/2" THICK DOORS
6. THE FRAMES MUST BE MORTAR FILLED TO ACHIEVE THE STC RATING
7. FRAMES MUST BE SINGLE OR DOUBLE RABBET, CONTINUOUSLY WELDED. 16 OR 14 GAUGE, STANDARD HOLLOW METAL FRAME
8. HINGES - PEMKO X25M CONTINUOUS HINGE INCLUDED WITH DOOR
9. ELECTRIC RACEWAYS ARE ALLOWED
10. ALL SEALS & THRESHOLDS INCLUDED
11. FRAME REQUIRES 1-1/4" (31.7) HIGH STOP
12. OTHER NON-TESTED ASSEMBLIES ARE AVAILABLE. CONTACT FACTORY FOR DETAILS.

HARDWARE LIMITATIONS:

STC 55 - CYLINDRICAL ONLY (SARGENT 11-LINE OR CORBIN RUSSWIN CL 3100)

FIRE RATING:

STC 55 - NON-RATED ONLY

OPENING SIZES:

MINIMUM SIZE - 2'0" X 6'8" SINGLE
MAXIMUM SIZE - 4'0" X 8'0" SINGLE

FACE TYPES:

FLUSH ONLY – NO LITES ALLOWED

SEAL SET #7:

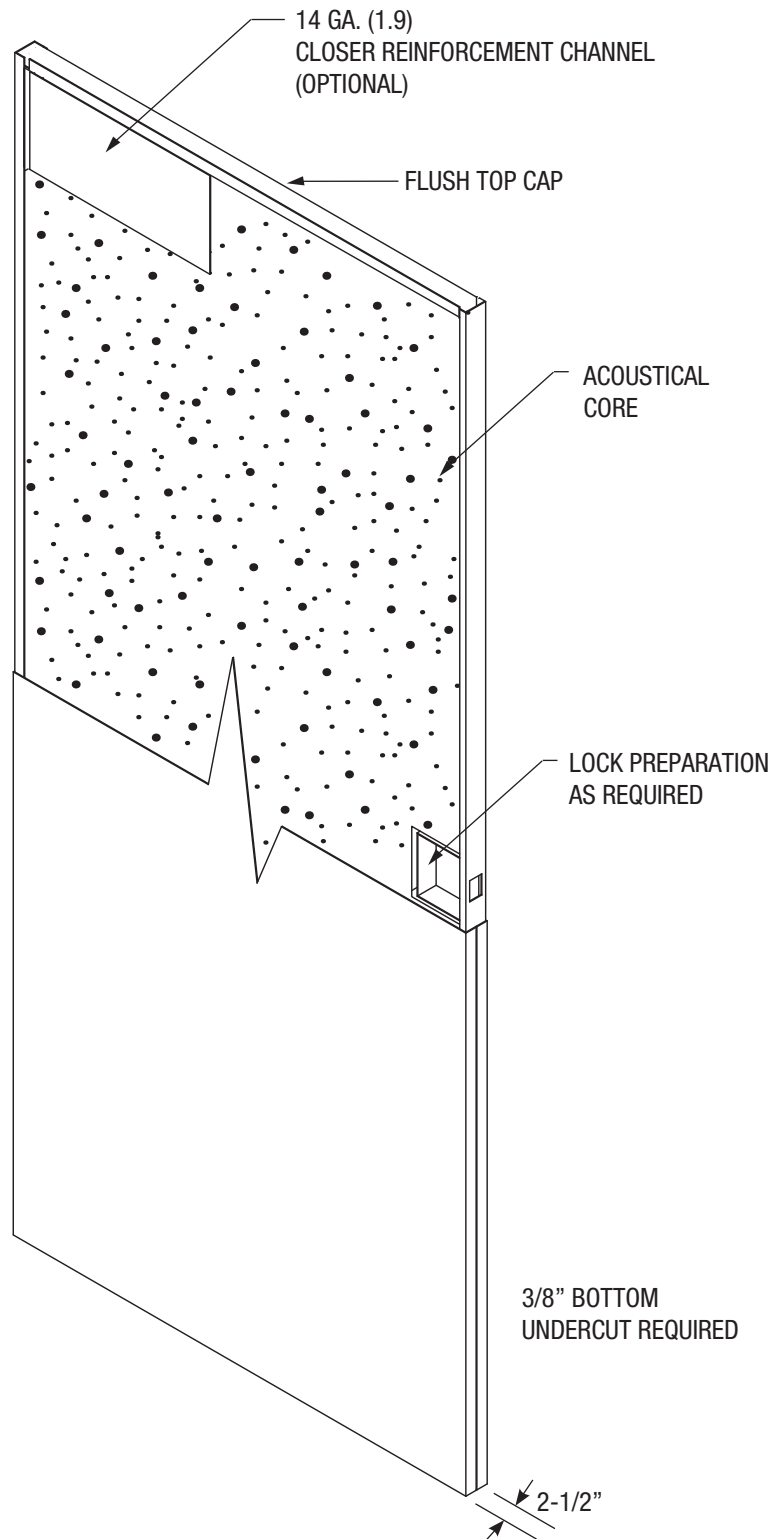
(MAY VARY DEPENDING ON FEATURES/REQUIREMENTS OF OPENINGS)

PERIMETER:

PEMKO S44
PEMKO S776 (2)

BOTTOM:

PEMKO S44
PEMKO S776
PEMKO 2008 PK



**STANDARDS COMPLIANCE:**

ASTM E 90, ASTM E 1332, ASTM E2235, ASTM E413, SDI 128
AND HMMA 865

NOTES:

1. MUTES NOT ALLOWED
2. SURFACE CLOSER ONLY
3. STC LABEL APPLIED TO DOOR ONLY
4. WALL CONSTRUCTION NEEDS TO BE EQUAL OR GREATER STC VALUE AS DOOR/FRAME
5. GROUTING NOT REQUIRED TO ACHIEVE STC RATING
6. 1-3/4" THICK DOORS
7. FRAMES MUST BE SINGLE OR DOUBLE RABBET, CONTINUOUSLY WELDED. 16 OR 14 GAUGE, STANDARD HOLLOW METAL FRAME
8. HINGES - 4-1/2" STANDARD OR HEAVYWEIGHT, 5" STANDARD OR HEAVYWEIGHT
9. ELECTRIC RACEWAYS ARE ALLOWED
10. ALL SEALS & THRESHOLDS INCLUDED
11. OTHER NON-TESTED ASSEMBLIES ARE AVAILABLE. CONTACT FACTORY FOR DETAILS.

HARDWARE LIMITATIONS:

STC 32 - CYLINDRICAL OR MORTISE ONLY

FIRE RATING:

90 MINUTE MAX.
450° TEMPERATURE RISE

OPENING SIZES:

MINIMUM SIZE - 2'0" X 6'8" SINGLE
MAXIMUM SIZE - 4'0" X 8'0" SINGLE

FACE TYPES:

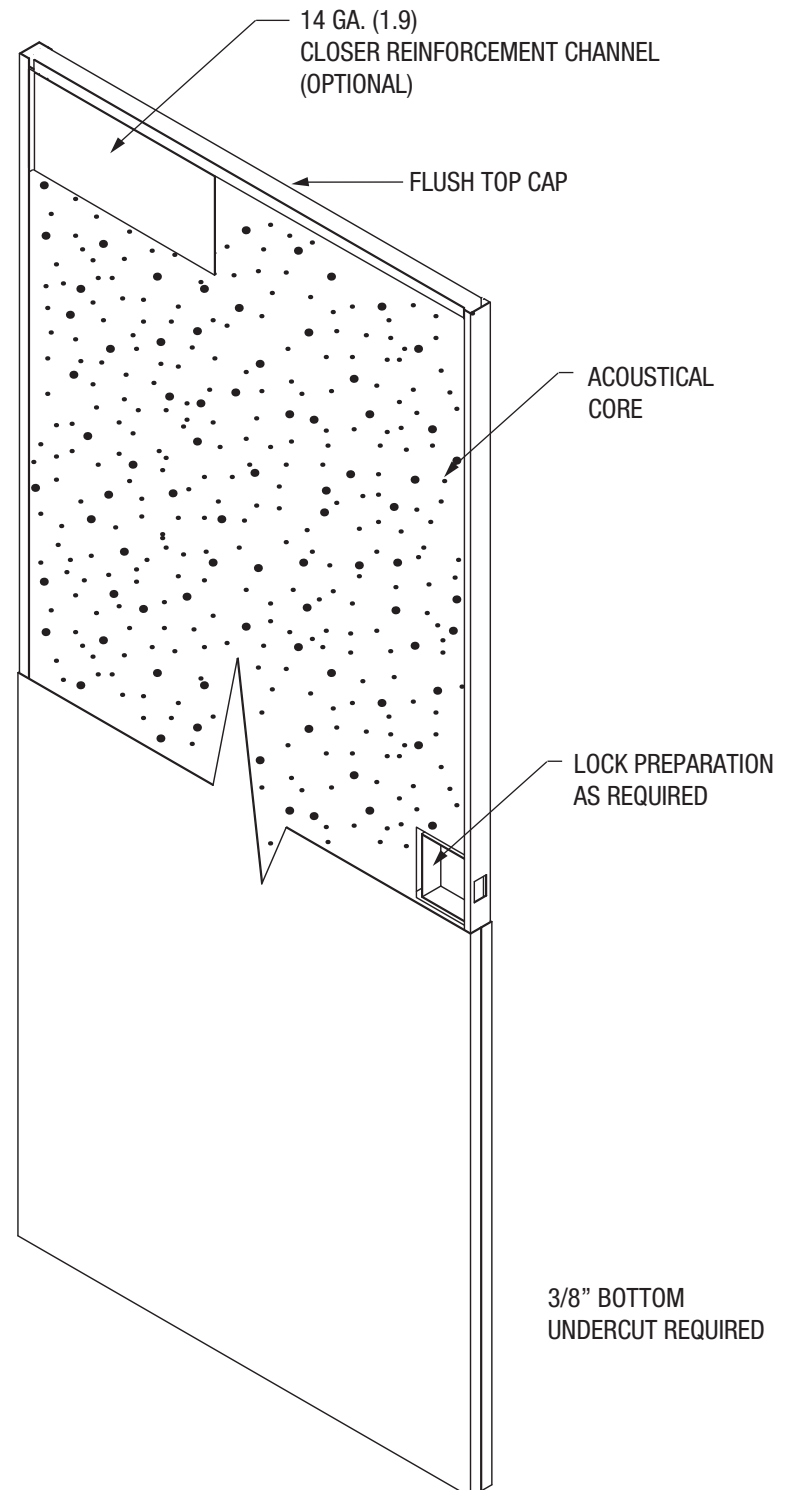
FLUSH ONLY – NO LITES ALLOWED

SEALS SET #41:

(MAY VARY DEPENDING ON FEATURES/REQUIREMENTS OF OPENINGS)

PERIMETER:
PEMKO 319 CN

BOTTOM:
PEMKO 2008 PK



88 757 (STC 33) Temp. Rise Sound Door Construction

Sound Door Technical Data



CURRIES

ASSA ABLOY

May, 2016



STANDARDS COMPLIANCE:

ASTM E 90, ASTM E 1332, ASTM E2235, ASTM E413, SDI 128 AND HMMA 865

NOTES:

1. MUTES NOT ALLOWED
2. SURFACE CLOSER ONLY
3. STC LABEL APPLIED TO DOOR ONLY
4. WALL CONSTRUCTION NEEDS TO BE EQUAL OR GREATER STC VALUE AS DOOR/FRAME
5. GROUTING NOT REQUIRED TO ACHIEVE STC RATING
6. 1-3/4" THICK DOORS
7. FRAMES MUST BE SINGLE OR DOUBLE RABBET, CONTINUOUSLY WELDED. 16 OR 14 GAUGE, STANDARD HOLLOW METAL FRAME
8. HINGES - 4-1/2" STANDARD OR HEAVYWEIGHT, 5" STANDARD OR HEAVYWEIGHT
9. ELECTRIC RACEWAYS ARE ALLOWED
10. ALL SEALS & THRESHOLDS INCLUDED
11. OTHER NON-TESTED ASSEMBLIES ARE AVAILABLE. CONTACT FACTORY FOR DETAILS.

HARDWARE LIMITATIONS:

STC 33 - CYLINDRICAL OR MORTISE ONLY

FIRE RATING:

90 MINUTE MAX.
450° TEMPERATURE RISE

OPENING SIZES:

MINIMUM SIZE - 2'0" X 6'8" SINGLE
MAXIMUM SIZE - 4'0" X 8'0" SINGLE

FACE TYPES:

FLUSH ONLY - NO LITES ALLOWED

SEALS SET #41:

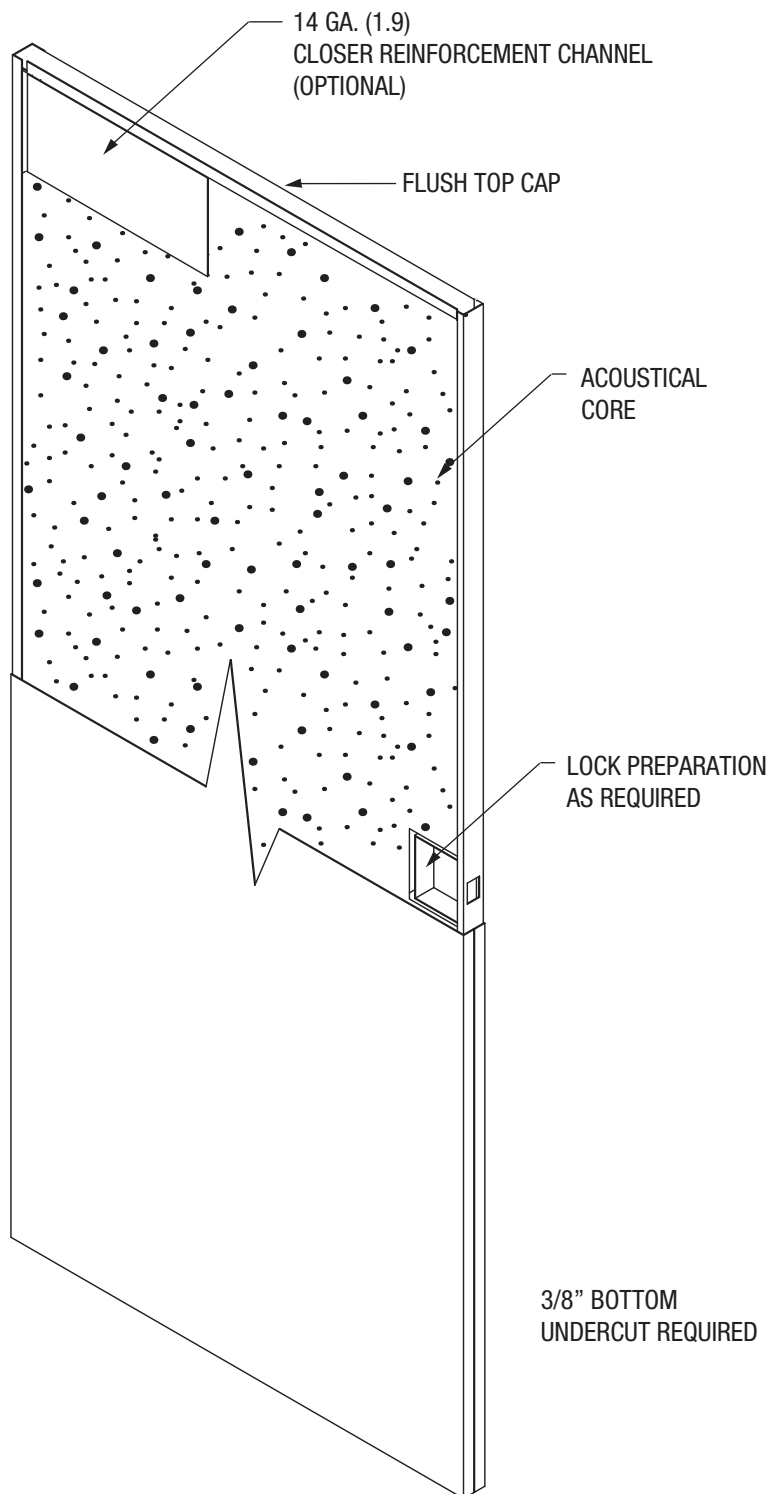
(MAY VARY DEPENDING ON FEATURES/REQUIREMENTS OF OPENINGS)

PERIMETER:

PEMKO 319 CN

BOTTOM:

PEMKO 2008 PK



**STANDARDS COMPLIANCE:**

ASTM E 90, ASTM E 1332, ASTM E2235, ASTM E413, SDI 128
AND HMMA 865

NOTES:

1. MUTES NOT ALLOWED
2. SURFACE CLOSER ONLY
3. STC LABEL APPLIED TO DOOR ONLY
4. WALL CONSTRUCTION NEEDS TO BE EQUAL OR GREATER
STC VALUE AS DOOR/FRAME
5. GROUTING NOT REQUIRED TO ACHIEVE STC RATING
6. 1-3/4" THICK DOORS
7. FRAMES MUST BE SINGLE OR DOUBLE RABBET,
CONTINUOUSLY WELDED. 16 OR 14 GAUGE, STANDARD
HOLLOW METAL FRAME
8. HINGES - 4-1/2" STANDARD OR HEAVYWEIGHT,
5" STANDARD OR HEAVYWEIGHT
9. ELECTRIC RACEWAYS ARE ALLOWED
10. ALL SEALS & THRESHOLDS INCLUDED
11. OTHER NON-TESTED ASSEMBLIES ARE AVAILABLE.
CONTACT FACTORY FOR DETAILS.

HARDWARE LIMITATIONS:

STC 34 - CYLINDRICAL OR MORTISE ONLY

FIRE RATING:

90 MINUTE MAX.
450° TEMPERATURE RISE

OPENING SIZES:

MINIMUM SIZE - 2'0" X 6'8" SINGLE
MAXIMUM SIZE - 4'0" X 8'0" SINGLE

FACE TYPES:

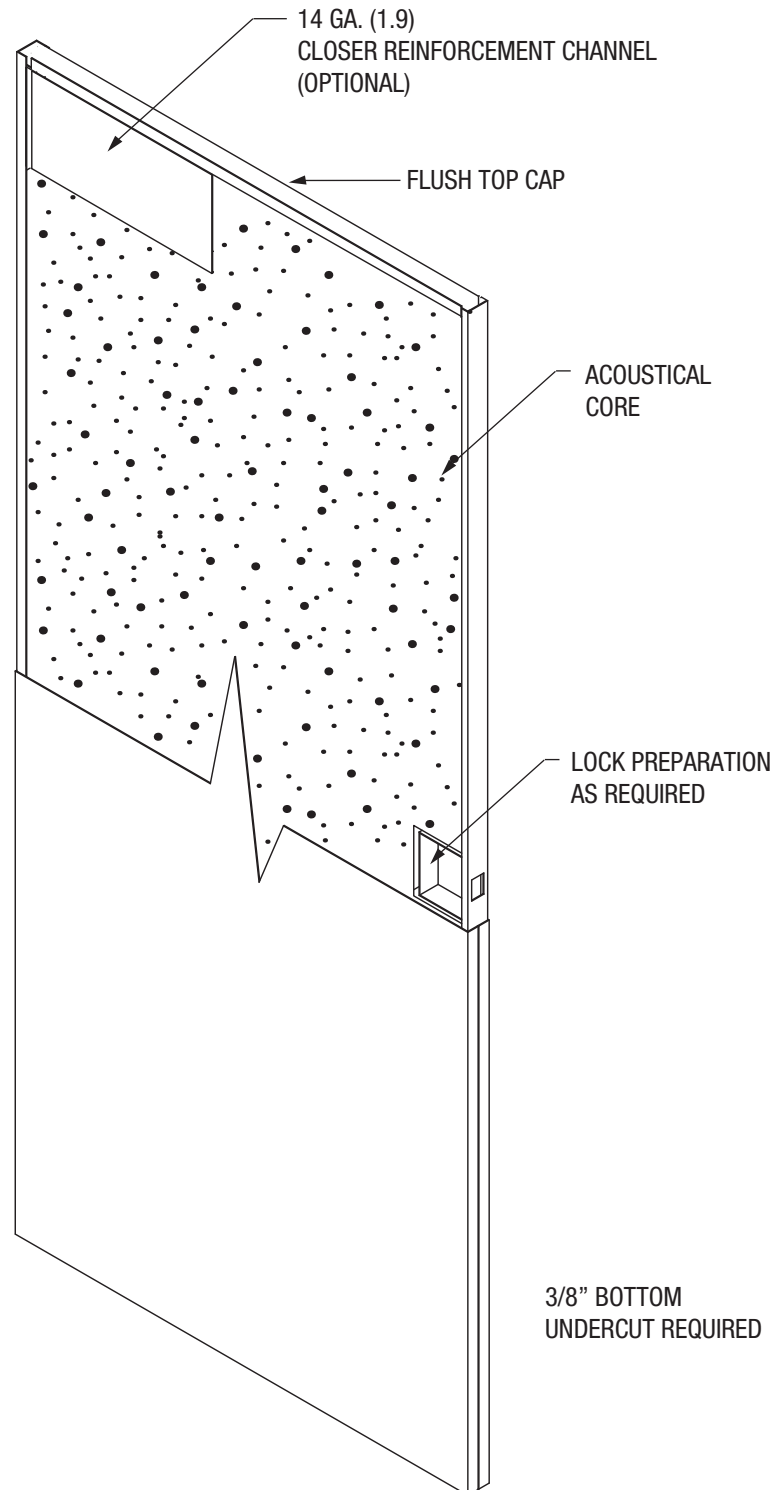
FLUSH ONLY – NO LITES ALLOWED

SEALS SET #41:

(MAY VARY DEPENDING ON FEATURES/REQUIREMENTS OF OPENINGS)

PERIMETER:
PEMKO 319 CN

BOTTOM:
PEMKO 2008 PK



90 757 (STC 35) Temp. Rise Sound Door Construction

Sound Door Technical Data



May, 2016



STANDARDS COMPLIANCE:

ASTM E 90, ASTM E 1332, ASTM E2235, ASTM E413, SDI 128
AND HMMA 865

NOTES:

1. MUTES NOT ALLOWED
2. SURFACE CLOSER ONLY
3. STC LABEL APPLIED TO DOOR ONLY
4. WALL CONSTRUCTION NEEDS TO BE EQUAL OR GREATER STC VALUE AS DOOR/FRAME
5. GROUTING NOT REQUIRED TO ACHIEVE STC RATING
6. 1-3/4" THICK DOORS
7. FRAMES MUST BE SINGLE OR DOUBLE RABBET, CONTINUOUSLY WELDED. 16 OR 14 GAUGE, STANDARD HOLLOW METAL FRAME
8. HINGES - 4-1/2" STANDARD OR HEAVYWEIGHT, 5" STANDARD OR HEAVYWEIGHT
9. ELECTRIC RACEWAYS ARE ALLOWED
10. ALL SEALS & THRESHOLDS INCLUDED
11. OTHER NON-TESTED ASSEMBLIES ARE AVAILABLE. CONTACT FACTORY FOR DETAILS.

HARDWARE LIMITATIONS:

STC 35 - CYLINDRICAL OR MORTISE ONLY

FIRE RATING:

90 MINUTE MAX.
450° TEMPERATURE RISE

OPENING SIZES:

MINIMUM SIZE - 2'0" X 6'8" SINGLE
MAXIMUM SIZE - 4'0" X 8'0" SINGLE

FACE TYPES:

FLUSH ONLY – NO LITES ALLOWED

SEALS SET #41:

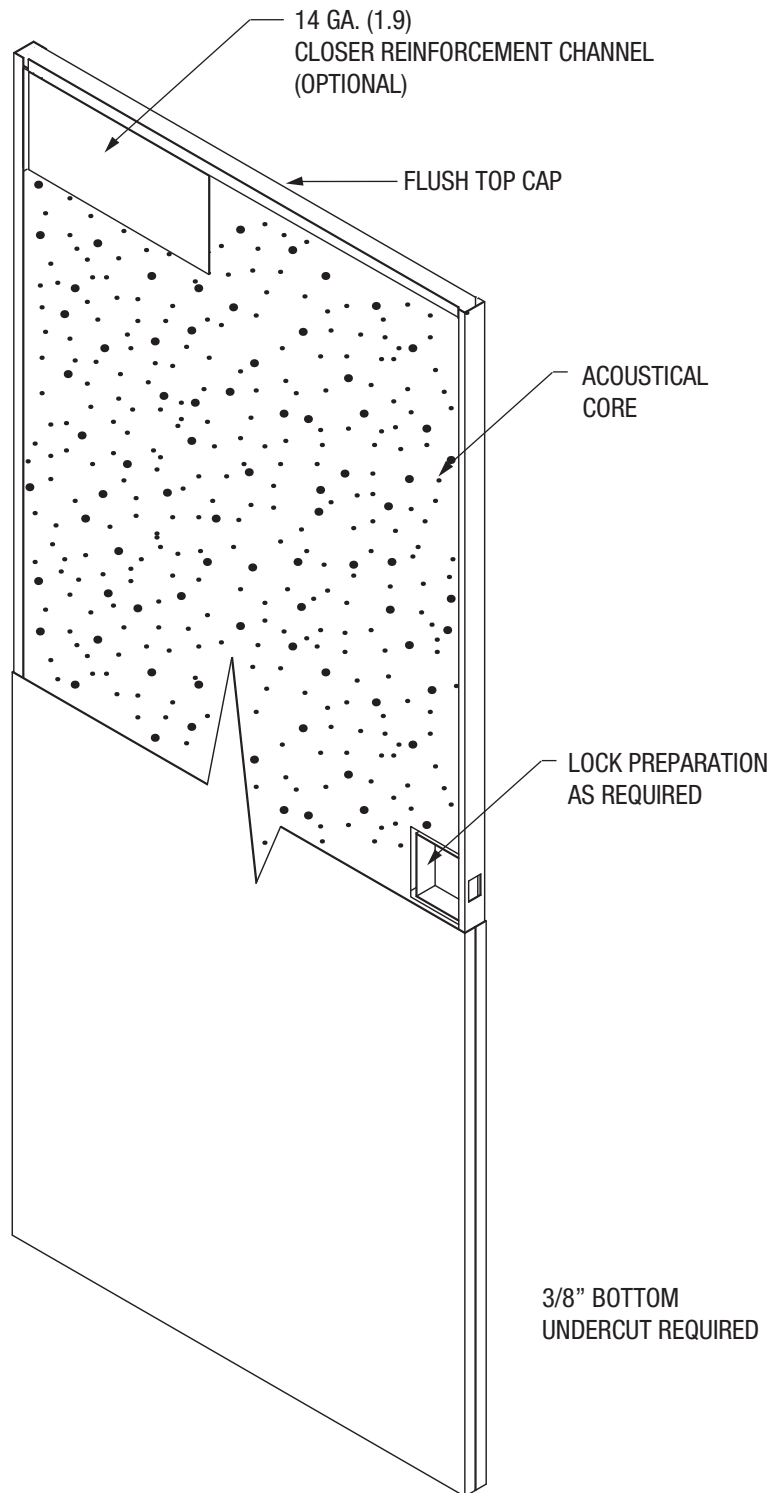
(MAY VARY DEPENDING ON FEATURES/REQUIREMENTS OF OPENINGS)

PERIMETER:

PEMKO 319 CN

BOTTOM:

PEMKO 2008 PK





STANDARDS COMPLIANCE:

ASTM E 90, ASTM E 1332, ASTM E2235, ASTM E413, SDI 128
AND HMMMA 865

NOTES:

1. MUTES NOT ALLOWED
2. SURFACE CLOSER ONLY
3. STC LABEL APPLIED TO DOOR ONLY
4. WALL CONSTRUCTION NEEDS TO BE EQUAL OR GREATER STC VALUE AS DOOR/FRAME
5. GROUTING NOT REQUIRED TO ACHIEVE STC RATING
6. 1-3/4" THICK DOORS
7. FRAMES MUST BE SINGLE OR DOUBLE RABBET, CONTINUOUSLY WELDED. 16 OR 14 GAUGE, STANDARD HOLLOW METAL FRAME
8. HINGES - 4-1/2" STANDARD OR HEAVYWEIGHT, 5" STANDARD OR HEAVYWEIGHT
9. ELECTRIC RACEWAYS ARE ALLOWED
10. ALL SEALS & THRESHOLDS INCLUDED
11. OTHER NON-TESTED ASSEMBLIES ARE AVAILABLE. CONTACT FACTORY FOR DETAILS.

HARDWARE LIMITATIONS:

STC 36 - CYLINDRICAL OR MORTISE ONLY

FIRE RATING:

90 MINUTE MAX.
450° TEMPERATURE RISE

OPENING SIZES:

MINIMUM SIZE - 2'0" X 6'8" SINGLE
MAXIMUM SIZE - 4'0" X 8'0" SINGLE

FACE TYPES:

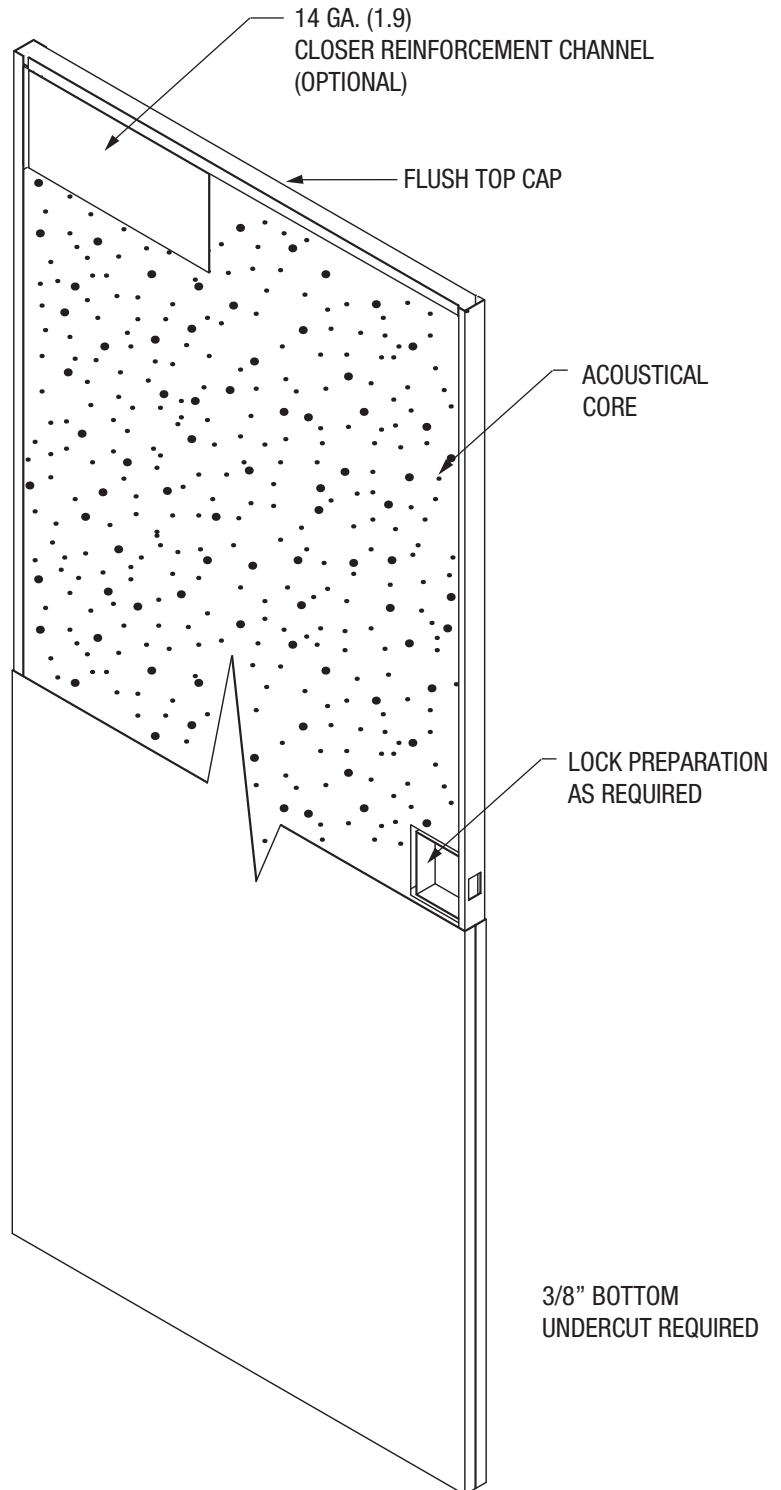
FLUSH ONLY – NO LITES ALLOWED

SEALS SET #41:

(MAY VARY DEPENDING ON FEATURES/REQUIREMENTS OF OPENINGS)

PERIMETER:
PEMKO 319 CN

BOTTOM:
PEMKO 2008 PK



92 757 (STC 37) Temp. Rise Sound Door Construction

Sound Door Technical Data



CURRIES

ASSA ABLOY

May, 2016



STANDARDS COMPLIANCE:

ASTM E 90, ASTM E 1332, ASTM E2235, ASTM E413, SDI 128 AND HMMA 865

NOTES:

1. MUTES NOT ALLOWED
2. SURFACE CLOSER ONLY
3. STC LABEL APPLIED TO DOOR ONLY
4. WALL CONSTRUCTION NEEDS TO BE EQUAL OR GREATER STC VALUE AS DOOR/FRAME
5. GROUTING NOT REQUIRED TO ACHIEVE STC RATING
6. 1-3/4" THICK DOORS
7. FRAMES MUST BE SINGLE OR DOUBLE RABBET, CONTINUOUSLY WELDED. 16 OR 14 GAUGE, STANDARD HOLLOW METAL FRAME
8. HINGES - 4-1/2" STANDARD OR HEAVYWEIGHT, 5" STANDARD OR HEAVYWEIGHT
9. ELECTRIC RACEWAYS ARE ALLOWED
10. ALL SEALS & THRESHOLDS INCLUDED
11. OTHER NON-TESTED ASSEMBLIES ARE AVAILABLE. CONTACT FACTORY FOR DETAILS.

HARDWARE LIMITATIONS:

STC 37 - CYLINDRICAL OR MORTISE ONLY

FIRE RATING:

90 MINUTE MAX.
450° TEMPERATURE RISE

OPENING SIZES:

MINIMUM SIZE - 2'0" X 6'8" SINGLE
MAXIMUM SIZE - 4'0" X 8'0" SINGLE

FACE TYPES:

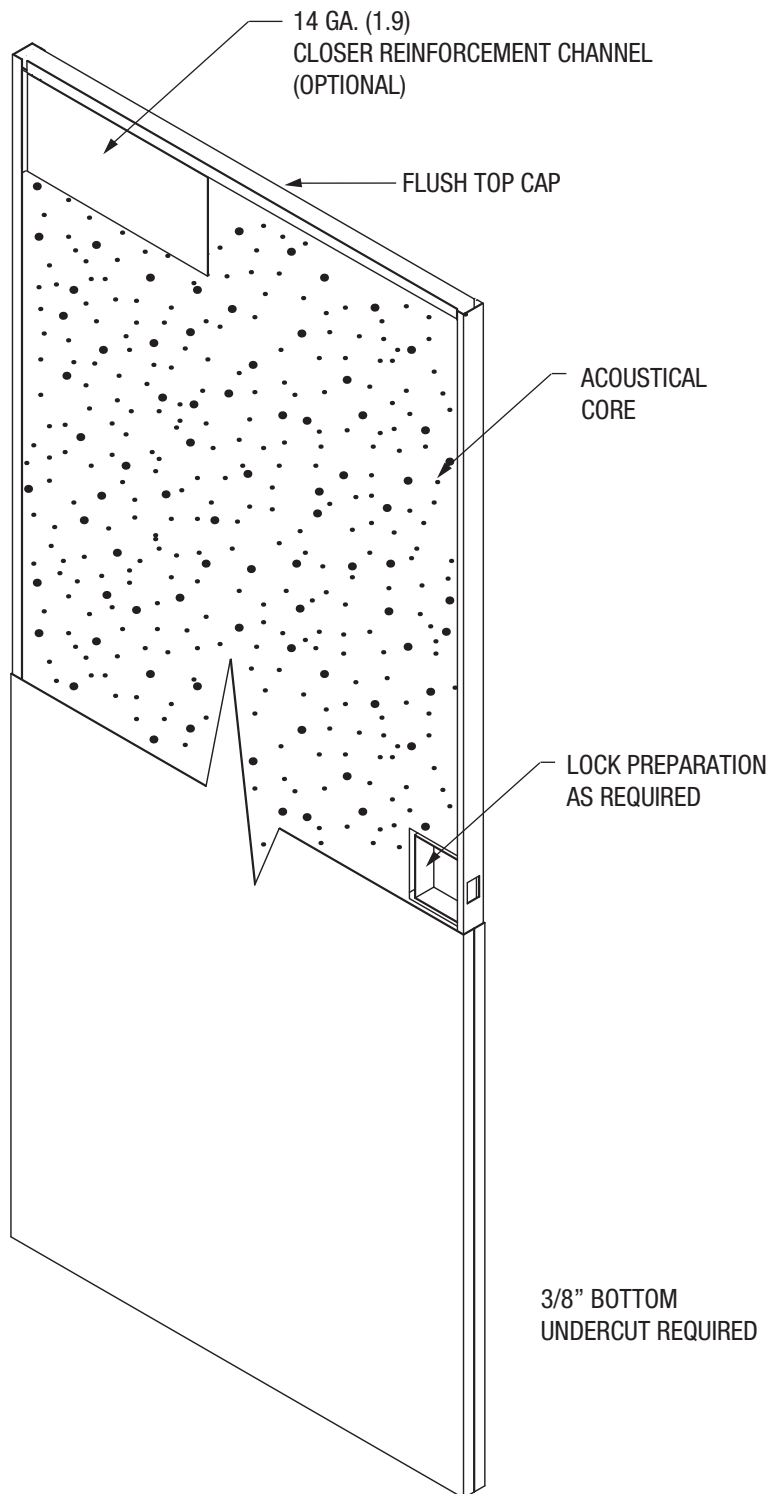
FLUSH ONLY - NO LITES ALLOWED

SEALS SET #41:

(MAY VARY DEPENDING ON FEATURES/REQUIREMENTS OF OPENINGS)

PERIMETER:
PEMKO 319 CN

BOTTOM:
PEMKO 2008 PK





STANDARDS COMPLIANCE:

ASTM E 90, ASTM E 1332, ASTM E2235, ASTM E413, SDI 128
AND HMMA 865

NOTES:

1. MUTES NOT ALLOWED
2. SURFACE CLOSER ONLY
3. STC LABEL APPLIED TO DOOR ONLY
4. WALL CONSTRUCTION NEEDS TO BE EQUAL OR GREATER STC VALUE AS DOOR/FRAME
5. GROUTING NOT REQUIRED TO ACHIEVE STC RATING
6. 1-3/4" THICK DOORS
7. FRAMES MUST BE SINGLE OR DOUBLE RABBET, CONTINUOUSLY WELDED. 16 OR 14 GAUGE, STANDARD HOLLOW METAL FRAME
8. HINGES - 4-1/2" STANDARD OR HEAVYWEIGHT, 5" STANDARD OR HEAVYWEIGHT
9. ELECTRIC RACEWAYS ARE ALLOWED
10. ALL SEALS & THRESHOLDS INCLUDED
11. OTHER NON-TESTED ASSEMBLIES ARE AVAILABLE. CONTACT FACTORY FOR DETAILS.

HARDWARE LIMITATIONS:

STC 38 - CYLINDRICAL OR MORTISE ONLY

FIRE RATING:

90 MINUTE MAX.
450° TEMPERATURE RISE

OPENING SIZES:

MINIMUM SIZE - 2'0" X 6'8" SINGLE
MAXIMUM SIZE - 4'0" X 8'0" SINGLE

FACE TYPES:

FLUSH ONLY – NO LITES ALLOWED

SEALS SET #41:

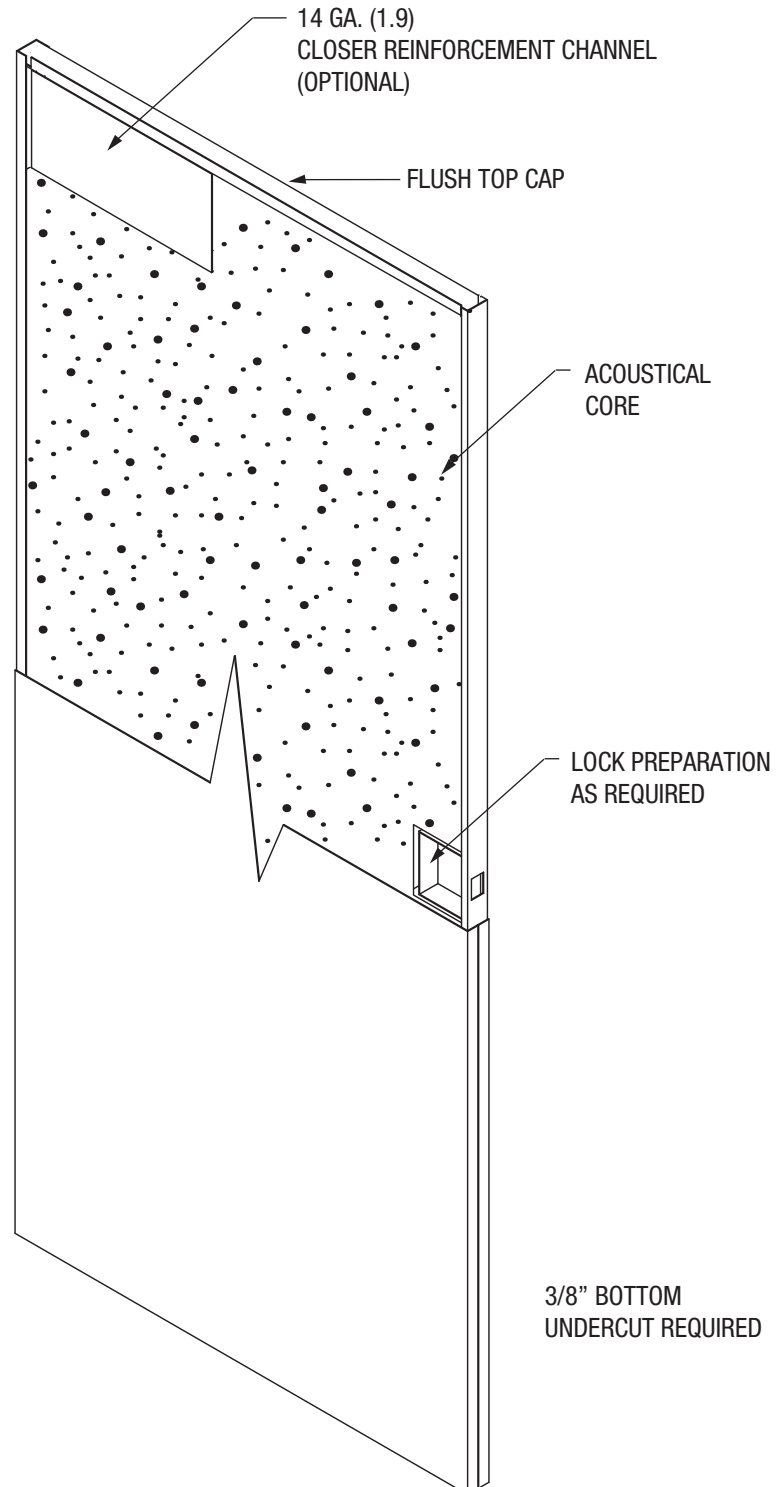
(MAY VARY DEPENDING ON FEATURES/REQUIREMENTS OF OPENINGS)

PERIMETER:

PEMKO 319 CN

BOTTOM:

PEMKO 2008 PK



94 757 (STC 39) Temp. Rise Sound Door Construction

Sound Door Technical Data



CURRIES

ASSA ABLOY

May, 2016



STANDARDS COMPLIANCE:

ASTM E 90, ASTM E 1332, ASTM E2235, ASTM E413, SDI 128 AND HMMA 865

NOTES:

1. MUTES NOT ALLOWED
2. SURFACE CLOSER ONLY
3. STC LABEL APPLIED TO DOOR ONLY
4. WALL CONSTRUCTION NEEDS TO BE EQUAL OR GREATER STC VALUE AS DOOR/FRAME
5. GROUTING NOT REQUIRED TO ACHIEVE STC RATING
6. 1-3/4" THICK DOORS
7. FRAMES MUST BE SINGLE OR DOUBLE RABBET, CONTINUOUSLY WELDED. 16 OR 14 GAUGE, STANDARD HOLLOW METAL FRAME
8. HINGES - 4-1/2" STANDARD OR HEAVYWEIGHT, 5" STANDARD OR HEAVYWEIGHT
9. ELECTRIC RACEWAYS ARE ALLOWED
10. ALL SEALS & THRESHOLDS INCLUDED
11. OTHER NON-TESTED ASSEMBLIES ARE AVAILABLE. CONTACT FACTORY FOR DETAILS.

HARDWARE LIMITATIONS:

STC 39 - CYLINDRICAL OR MORTISE ONLY

FIRE RATING:

90 MINUTE MAX.
450° TEMPERATURE RISE

OPENING SIZES:

MINIMUM SIZE - 2'0" X 6'8" SINGLE
MAXIMUM SIZE - 4'0" X 8'0" SINGLE

FACE TYPES:

FLUSH ONLY – NO LITES ALLOWED

SEALS SET #41:

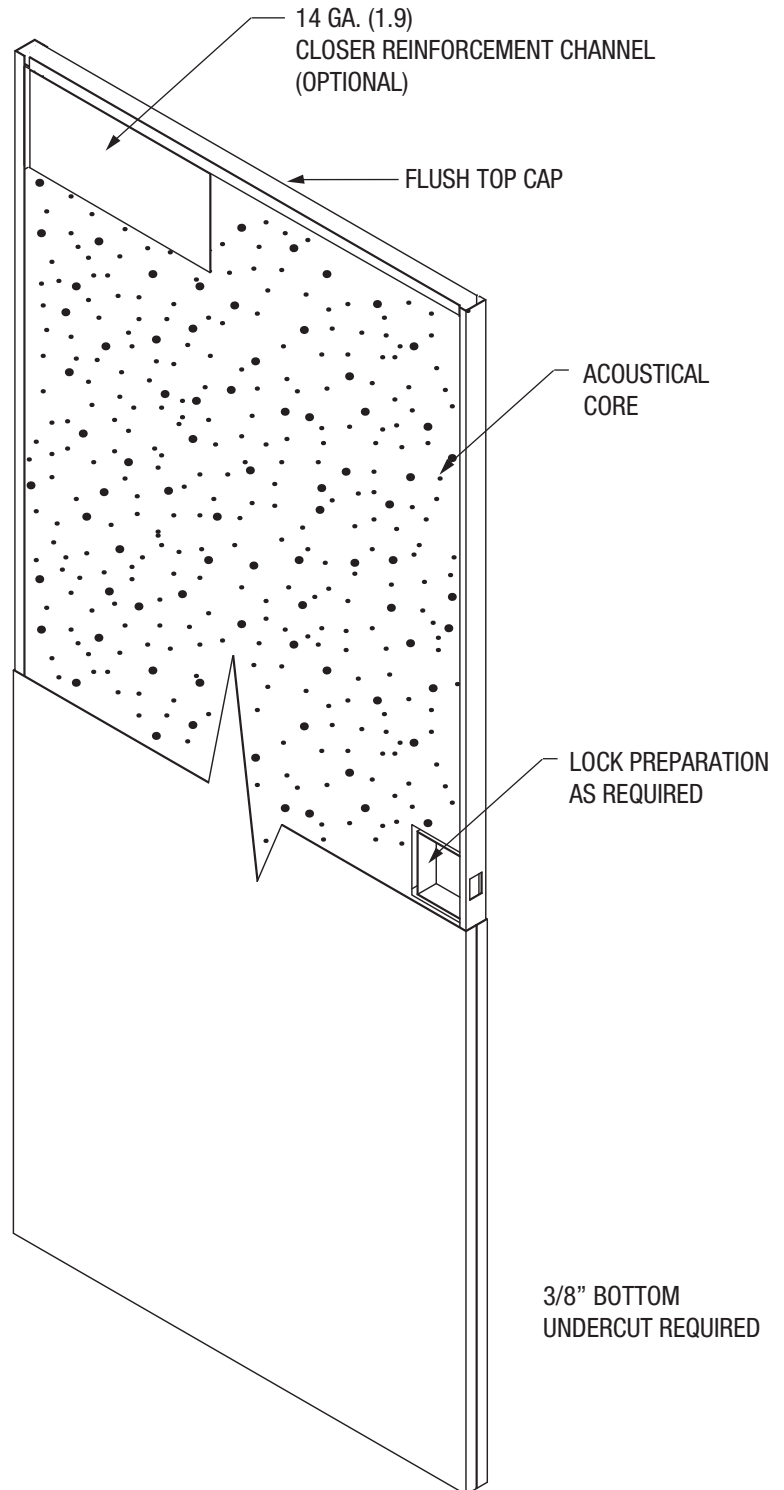
(MAY VARY DEPENDING ON FEATURES/REQUIREMENTS OF OPENINGS)

PERIMETER:

PEMKO 319 CN

BOTTOM:

PEMKO 2008 PK





STANDARDS COMPLIANCE:

ASTM E 90, ASTM E 1332, ASTM E2235, ASTM E413, SDI 128
AND HMMMA 865

NOTES:

1. MUTES NOT ALLOWED
2. SURFACE CLOSER ONLY
3. STC LABEL APPLIED TO DOOR ONLY
4. WALL CONSTRUCTION NEEDS TO BE EQUAL OR GREATER
STC VALUE AS DOOR/FRAME
5. GROUTING NOT REQUIRED TO ACHIEVE STC RATING
6. 1-3/4" THICK DOORS
7. FRAMES MUST BE SINGLE OR DOUBLE RABBET,
CONTINUOUSLY WELDED. 16 OR 14 GAUGE, STANDARD
HOLLOW METAL FRAME
8. HINGES - 4-1/2" STANDARD OR HEAVYWEIGHT,
5" STANDARD OR HEAVYWEIGHT
9. ELECTRIC RACEWAYS ARE ALLOWED
10. ALL SEALS & THRESHOLDS INCLUDED
11. OTHER NON-TESTED ASSEMBLIES ARE AVAILABLE.
CONTACT FACTORY FOR DETAILS.

HARDWARE LIMITATIONS:

STC 40 - CYLINDRICAL OR MORTISE ONLY

FIRE RATING:

90 MINUTE MAX.
450° TEMPERATURE RISE

OPENING SIZES:

MINIMUM SIZE - 2'0" X 6'8" SINGLE
MAXIMUM SIZE - 4'0" X 8'0" SINGLE

FACE TYPES:

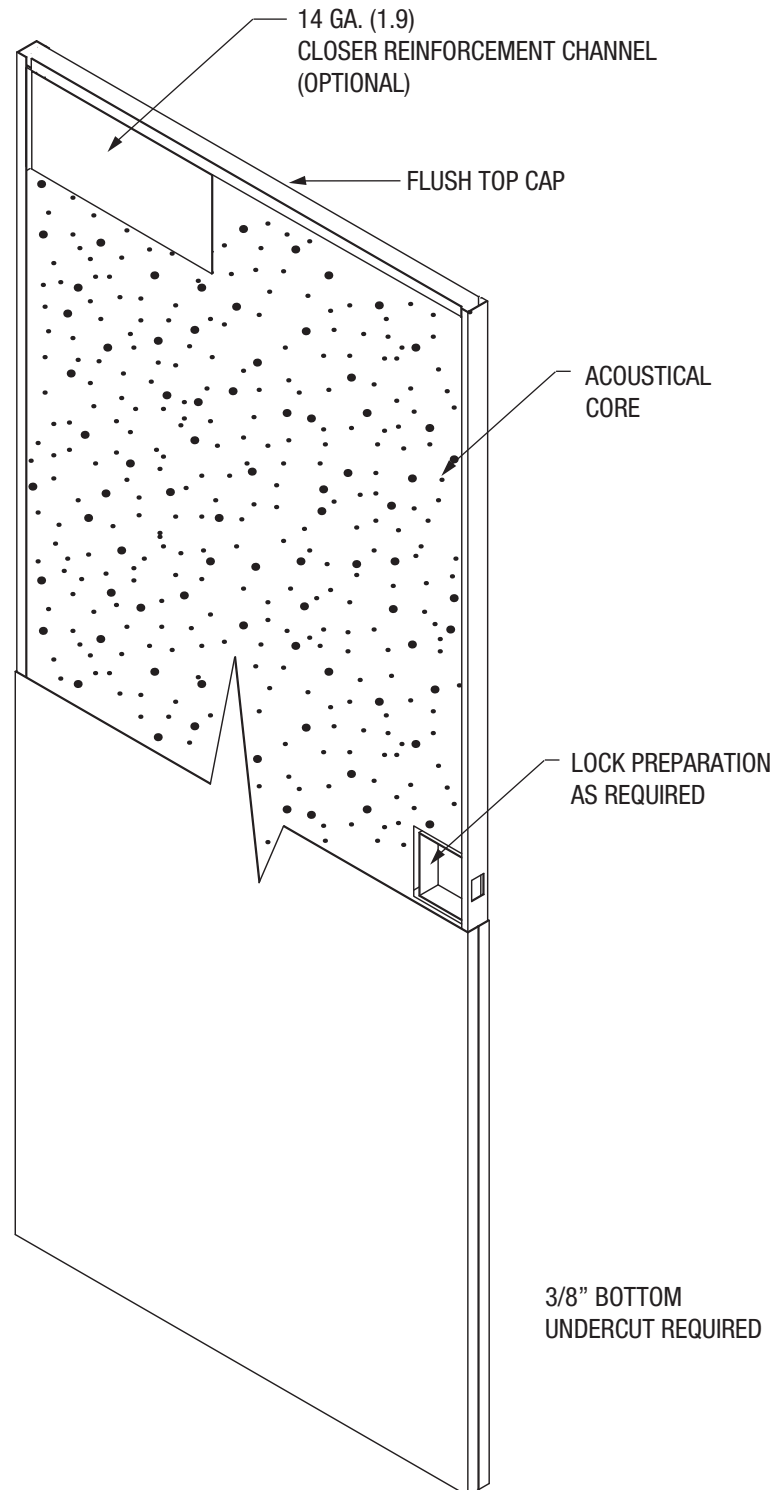
FLUSH ONLY – NO LITES ALLOWED

SEALS SET #41:

(MAY VARY DEPENDING ON FEATURES/REQUIREMENTS OF OPENINGS)

PERIMETER:
PEMKO 319 CN

BOTTOM:
PEMKO 2008 PK



96 757 (STC 41) Temp. Rise Sound Door Construction

Sound Door Technical Data



CURRIES

ASSA ABLOY

May, 2016



STANDARDS COMPLIANCE:

ASTM E 90, ASTM E 1332, ASTM E2235, ASTM E413, SDI 128 AND HMMA 865

NOTES:

1. MUTES NOT ALLOWED
2. SURFACE CLOSER ONLY
3. STC LABEL APPLIED TO DOOR ONLY
4. WALL CONSTRUCTION NEEDS TO BE EQUAL OR GREATER STC VALUE AS DOOR/FRAME
5. GROUTING NOT REQUIRED TO ACHIEVE STC RATING
6. 1-3/4" THICK DOORS
7. FRAMES MUST BE SINGLE OR DOUBLE RABBET, CONTINUOUSLY WELDED. 16 OR 14 GAUGE, STANDARD HOLLOW METAL FRAME
8. HINGES - 4-1/2" STANDARD OR HEAVYWEIGHT, 5" STANDARD OR HEAVYWEIGHT
9. ELECTRIC RACEWAYS ARE ALLOWED
10. ALL SEALS & THRESHOLDS INCLUDED
11. OTHER NON-TESTED ASSEMBLIES ARE AVAILABLE. CONTACT FACTORY FOR DETAILS.

HARDWARE LIMITATIONS:

STC 41 - CYLINDRICAL OR MORTISE ONLY

FIRE RATING:

90 MINUTE MAX.
450° TEMPERATURE RISE

OPENING SIZES:

MINIMUM SIZE - 2'0" X 6'8" SINGLE
MAXIMUM SIZE - 4'0" X 8'0" SINGLE

FACE TYPES:

FLUSH ONLY – NO LITES ALLOWED

SEALS SET #41:

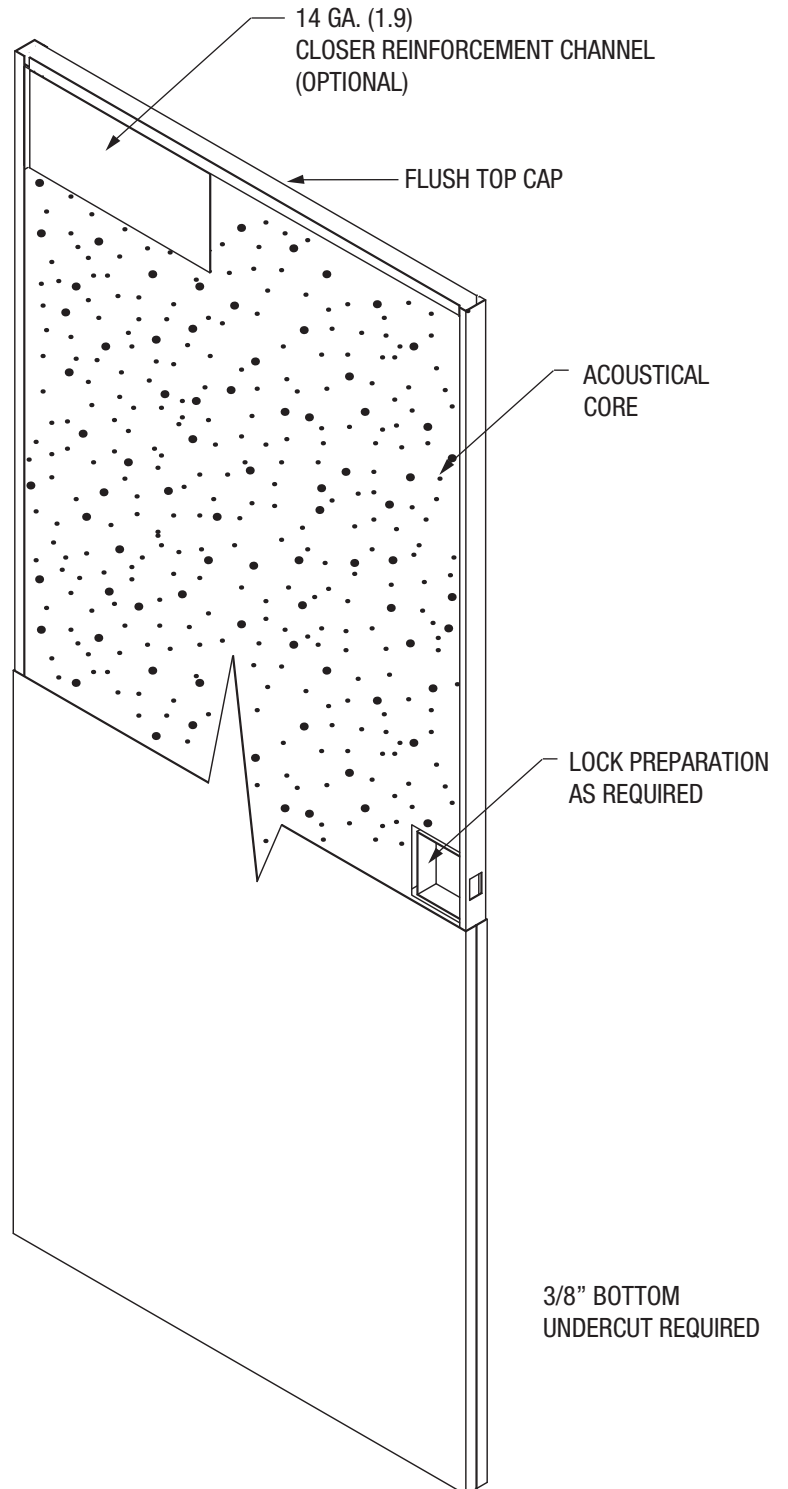
(MAY VARY DEPENDING ON FEATURES/REQUIREMENTS OF OPENINGS)

PERIMETER:

PEMKO 319 CN

BOTTOM:

PEMKO 2008 PK





STANDARDS COMPLIANCE:

ASTM E 90, ASTM E 1332, ASTM E2235, ASTM E413, SDI 128 AND HMMA 865

NOTES:

1. MUTES NOT ALLOWED
2. SURFACE CLOSER ONLY
3. STC LABEL APPLIED TO DOOR ONLY
4. WALL CONSTRUCTION NEEDS TO BE EQUAL OR GREATER STC VALUE AS DOOR/FRAME
5. THE FRAME MUST BE MORTAR FILLED TO ACHIEVE AN STC RATING OF 40 AND ABOVE
6. 1-3/4" THICK DOORS
7. FRAMES MUST BE SINGLE OR DOUBLE RABBET, CONTINUOUSLY WELDED. 16 OR 14 GA., STANDARD HOLLOW METAL FRAME
8. HINGES - 4-1/2" STANDARD OR HEAVYWEIGHT, 5" STANDARD OR HEAVYWEIGHT
9. ELECTRIC RACEWAYS ARE ALLOWED
10. ALL SEALS & THRESHOLDS INCLUDED
11. OTHER NON-TESTED ASSEMBLIES ARE AVAILABLE. CONTACT FACTORY FOR DETAILS

OPTIONAL HARDWARE PREPARATIONS ARE: ELECTRICAL POWER TRANSFER (EPT), MAG SWITCH AND DEADBOLT

- STC 32 (6) PANEL WITH CYLINDRICAL LOCK. ANY COMBINATION OF THREE OPTIONAL PREPARATIONS ALLOWED.
- STC 32 (6) PANEL WITH MORTISE LOCK. ANY COMBINATION OF THREE OPTIONAL PREPARATIONS ALLOWED.
- STC 32 (6) PANEL WITH RIM EXIT. ANY COMBINATION OF THREE OPTIONAL PREPARATIONS ALLOWED.
- STC 32 (2) PANEL WITH CYLINDRICAL LOCK. ANY COMBINATION OF THREE OPTIONAL PREPARATIONS ALLOWED.
- STC 32 (2) PANEL WITH MORTISE LOCK. ANY COMBINATION OF THREE OPTIONAL PREPARATIONS ALLOWED.
- STC 32 (2) PANEL WITH RIM EXIT. ANY COMBINATION OF THREE OPTIONAL PREPARATIONS ALLOWED.

FIRE RATING:

45 MINUTE

OPENING SIZES:

- MINIMUM SIZE - 2'8" X 6'8" SINGLE (6 PANEL)
- MINIMUM SIZE - 2'8" X 6'8" SINGLE (2 PANEL)
- MAXIMUM SIZE - 3'0" X 7'0" SINGLE (6 PANEL)
- MAXIMUM SIZE - 3'0" X 8'0" SINGLE (2 PANEL)

FACE TYPES:

NO LITES ALLOWED

SEAL SET #6:

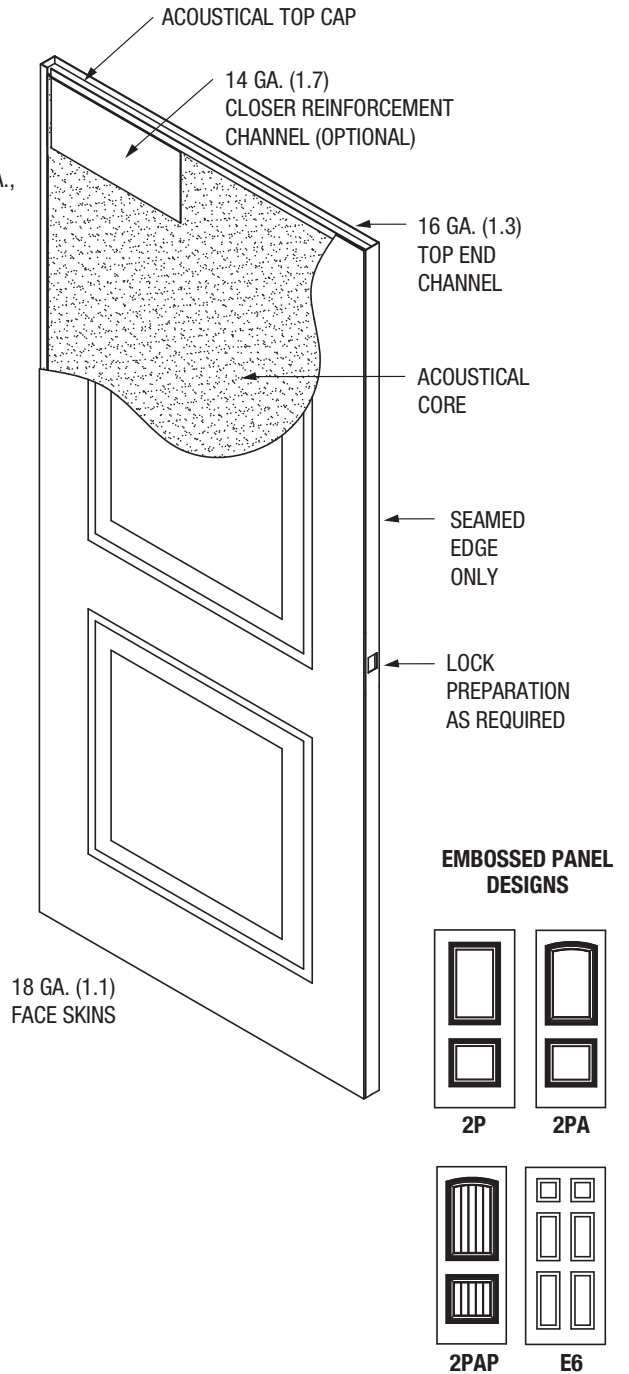
(MAY VARY DEPENDING ON FEATURES/REQUIREMENTS OF OPENINGS)

PERIMETER:

- PEMKO S44
- PEMKO S773
- PEMKO S88

BOTTOM:

- PEMKO S771 (2)
- PEMKO 2008 PK
- PEMKO ACP 112



98 757 (STC 33) Sound Door Construction - Embossed Panel

Sound Door Technical Data



May, 2016



STANDARDS COMPLIANCE:

ASTM E 90, ASTM E 1332, ASTM E2235, ASTM E413, SDI 128 AND HMMA 865

NOTES:

1. MUTES NOT ALLOWED
2. SURFACE CLOSER ONLY
3. STC LABEL APPLIED TO DOOR ONLY
4. WALL CONSTRUCTION NEEDS TO BE EQUAL OR GREATER STC VALUE AS DOOR/FRAME
5. THE FRAME MUST BE MORTAR FILLED TO ACHIEVE AN STC RATING OF 40 AND ABOVE
6. 1-3/4" THICK DOORS
7. FRAMES MUST BE SINGLE OR DOUBLE RABBET, CONTINUOUSLY WELDED. 16 OR 14 GA., STANDARD HOLLOW METAL FRAME
8. HINGES - 4-1/2" STANDARD OR HEAVYWEIGHT, 5" STANDARD OR HEAVYWEIGHT
9. ELECTRIC RACEWAYS ARE ALLOWED
10. ALL SEALS & THRESHOLDS INCLUDED
11. OTHER NON-TESTED ASSEMBLIES ARE AVAILABLE. CONTACT FACTORY FOR DETAILS

OPTIONAL HARDWARE PREPARATIONS ARE: ELECTRICAL POWER TRANSFER (EPT), MAG SWITCH AND DEADBOLT

STC 33 (6) PANEL WITH CYLINDRICAL LOCK. ANY COMBINATION OF THREE OPTIONAL PREPARATIONS ALLOWED.

STC 33 (6) PANEL WITH MORTISE LOCK. ANY COMBINATION OF THREE OPTIONAL PREPARATIONS ALLOWED.

STC 33 (6) PANEL WITH RIM EXIT. ANY COMBINATION OF THREE OPTIONAL PREPARATIONS ALLOWED.

STC 33 (2) PANEL WITH CYLINDRICAL LOCK. ANY COMBINATION OF THREE OPTIONAL PREPARATIONS ALLOWED.

STC 33 (2) PANEL WITH MORTISE LOCK. ANY COMBINATION OF THREE OPTIONAL PREPARATIONS ALLOWED.

STC 33 (2) PANEL WITH RIM EXIT. ANY COMBINATION OF THREE OPTIONAL PREPARATIONS ALLOWED.

FIRE RATING:

45 MINUTE

OPENING SIZES:

MINIMUM SIZE - 2'8" X 6'8" SINGLE (6 PANEL)

MINIMUM SIZE - 2'8" X 6'8" SINGLE (2 PANEL)

MAXIMUM SIZE - 3'0" X 7'0" SINGLE (6 PANEL)

MAXIMUM SIZE - 3'0" X 8'0" SINGLE (2 PANEL)

FACE TYPES:

NO LITES ALLOWED

SEAL SET #6:

(MAY VARY DEPENDING ON FEATURES/REQUIREMENTS OF OPENINGS)

PERIMETER:

PEMCO S44

PEMCO S773

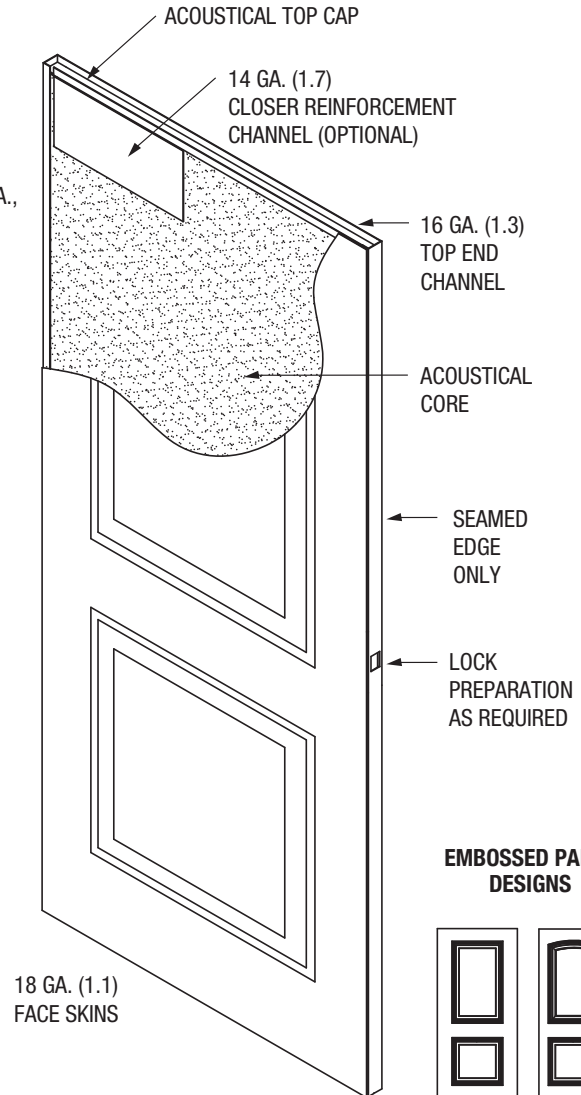
PEMCO S88

BOTTOM:

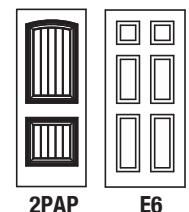
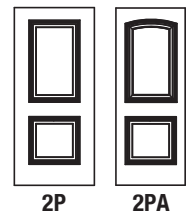
PEMCO S771 (2)

PEMCO 2008 PK

PEMCO ACP 112



EMBOSSED PANEL DESIGNS





STANDARDS COMPLIANCE:

ASTM E 90, ASTM E 1332, ASTM E2235, ASTM E413, SDI 128 AND HMMA 865

NOTES:

1. MUTES NOT ALLOWED
2. SURFACE CLOSER ONLY
3. STC LABEL APPLIED TO DOOR ONLY
4. WALL CONSTRUCTION NEEDS TO BE EQUAL OR GREATER STC VALUE AS DOOR/FRAME
5. THE FRAME MUST BE MORTAR FILLED TO ACHIEVE AN STC RATING OF 40 AND ABOVE
6. 1-3/4" THICK DOORS
7. FRAMES MUST BE SINGLE OR DOUBLE RABBET, CONTINUOUSLY WELDED. 16 OR 14 GA., STANDARD HOLLOW METAL FRAME
8. HINGES - 4-1/2" STANDARD OR HEAVYWEIGHT, 5" STANDARD OR HEAVYWEIGHT
9. ELECTRIC RACEWAYS ARE ALLOWED
10. ALL SEALS & THRESHOLDS INCLUDED
11. OTHER NON-TESTED ASSEMBLIES ARE AVAILABLE. CONTACT FACTORY FOR DETAILS

OPTIONAL HARDWARE PREPARATIONS ARE: ELECTRICAL POWER TRANSFER (EPT), MAG SWITCH AND DEADBOLT

- STC 34 (6) PANEL WITH CYLINDRICAL LOCK. ANY COMBINATION OF THREE OPTIONAL PREPARATIONS ALLOWED.
- STC 34 (6) PANEL WITH MORTISE LOCK. ANY COMBINATION OF THREE OPTIONAL PREPARATIONS ALLOWED.
- STC 34 (6) PANEL WITH RIM EXIT. ANY COMBINATION OF THREE OPTIONAL PREPARATIONS ALLOWED.
- STC 34 (2) PANEL WITH CYLINDRICAL LOCK. ANY COMBINATION OF THREE OPTIONAL PREPARATIONS ALLOWED.
- STC 34 (2) PANEL WITH MORTISE LOCK. ANY COMBINATION OF THREE OPTIONAL PREPARATIONS ALLOWED.
- STC 34 (2) PANEL WITH RIM EXIT. ANY COMBINATION OF THREE OPTIONAL PREPARATIONS ALLOWED.

FIRE RATING:

45 MINUTE

OPENING SIZES:

- MINIMUM SIZE - 2'8" X 6'8" SINGLE (6 PANEL)
- MINIMUM SIZE - 2'8" X 6'8" SINGLE (2 PANEL)
- MAXIMUM SIZE - 3'0" X 7'0" SINGLE (6 PANEL)
- MAXIMUM SIZE - 3'0" X 8'0" SINGLE (2 PANEL)

FACE TYPES:

NO LITES ALLOWED

SEAL SET #6:

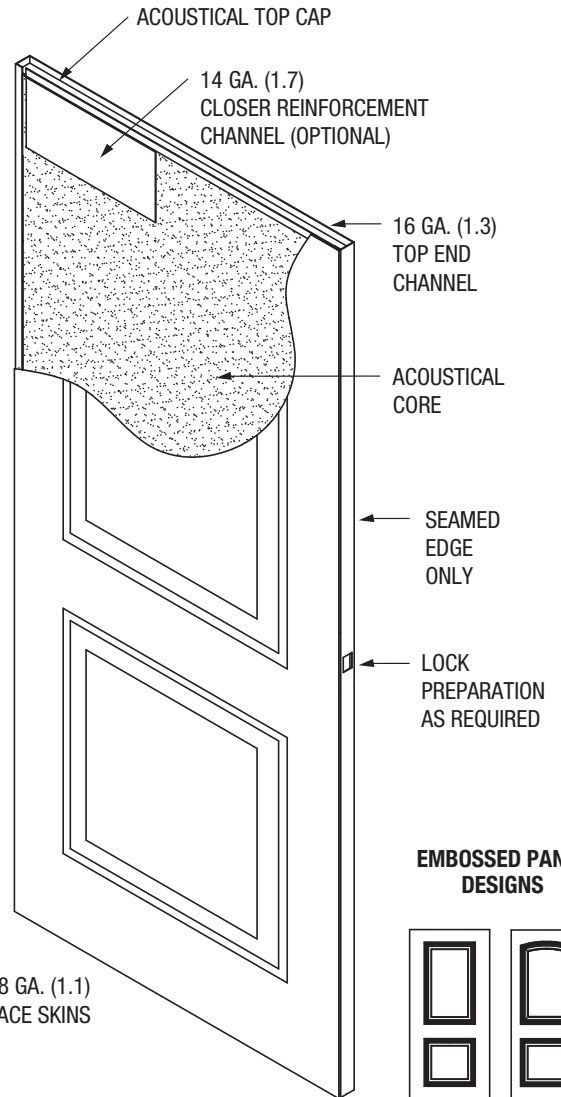
(MAY VARY DEPENDING ON FEATURES/REQUIREMENTS OF OPENINGS)

PERIMETER:

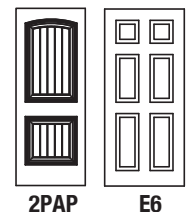
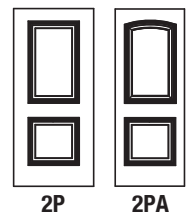
- PEMKO S44
- PEMKO S773
- PEMKO S88

BOTTOM:

- PEMKO S771 (2)
- PEMKO 2008 PK
- PEMKO ACP 112



EMBOSSED PANEL DESIGNS



May, 2016



STANDARDS COMPLIANCE:

ASTM E 90, ASTM E 1332, ASTM E2235, ASTM E413, SDI 128 AND HMMA 865

NOTES:

1. MUTES NOT ALLOWED
2. SURFACE CLOSER ONLY
3. STC LABEL APPLIED TO DOOR ONLY
4. WALL CONSTRUCTION NEEDS TO BE EQUAL OR GREATER STC VALUE AS DOOR/FRAME
5. THE FRAME MUST BE MORTAR FILLED TO ACHIEVE AN STC RATING OF 40 AND ABOVE
6. 1-3/4" THICK DOORS
7. FRAMES MUST BE SINGLE OR DOUBLE RABBET, CONTINUOUSLY WELDED. 16 OR 14 GA., STANDARD HOLLOW METAL FRAME
8. HINGES - 4-1/2" STANDARD OR HEAVYWEIGHT, 5" STANDARD OR HEAVYWEIGHT
9. ELECTRIC RACEWAYS ARE ALLOWED
10. ALL SEALS & THRESHOLDS INCLUDED
11. OTHER NON-TESTED ASSEMBLIES ARE AVAILABLE. CONTACT FACTORY FOR DETAILS

OPTIONAL HARDWARE PREPARATIONS ARE: ELECTRICAL POWER TRANSFER (EPT), MAG SWITCH AND DEADBOLT

STC 35 (6) PANEL WITH CYLINDRICAL LOCK. ANY COMBINATION OF THREE OPTIONAL PREPARATIONS ALLOWED.

STC 35 (6) PANEL WITH MORTISE LOCK. ANY COMBINATION OF THREE OPTIONAL PREPARATIONS ALLOWED.

STC 35 (6) PANEL WITH RIM EXIT. ANY COMBINATION OF THREE OPTIONAL PREPARATIONS ALLOWED.

STC 35 (2) PANEL WITH CYLINDRICAL LOCK. ANY COMBINATION OF THREE OPTIONAL PREPARATIONS ALLOWED.

STC 35 (2) PANEL WITH MORTISE LOCK. ANY COMBINATION OF THREE OPTIONAL PREPARATIONS ALLOWED.

STC 35 (2) PANEL WITH RIM EXIT. ANY COMBINATION OF THREE OPTIONAL PREPARATIONS ALLOWED.

FIRE RATING:

45 MINUTE

OPENING SIZES:

MINIMUM SIZE - 2'8" X 6'8" SINGLE (6 PANEL)

MINIMUM SIZE - 2'8" X 6'8" SINGLE (2 PANEL)

MAXIMUM SIZE - 3'0" X 7'0" SINGLE (6 PANEL)

MAXIMUM SIZE - 3'0" X 8'0" SINGLE (2 PANEL)

FACE TYPES:

NO LITES ALLOWED

SEAL SET #6:

(MAY VARY DEPENDING ON FEATURES/REQUIREMENTS OF OPENINGS)

PERIMETER:

PEMCO S44

PEMCO S773

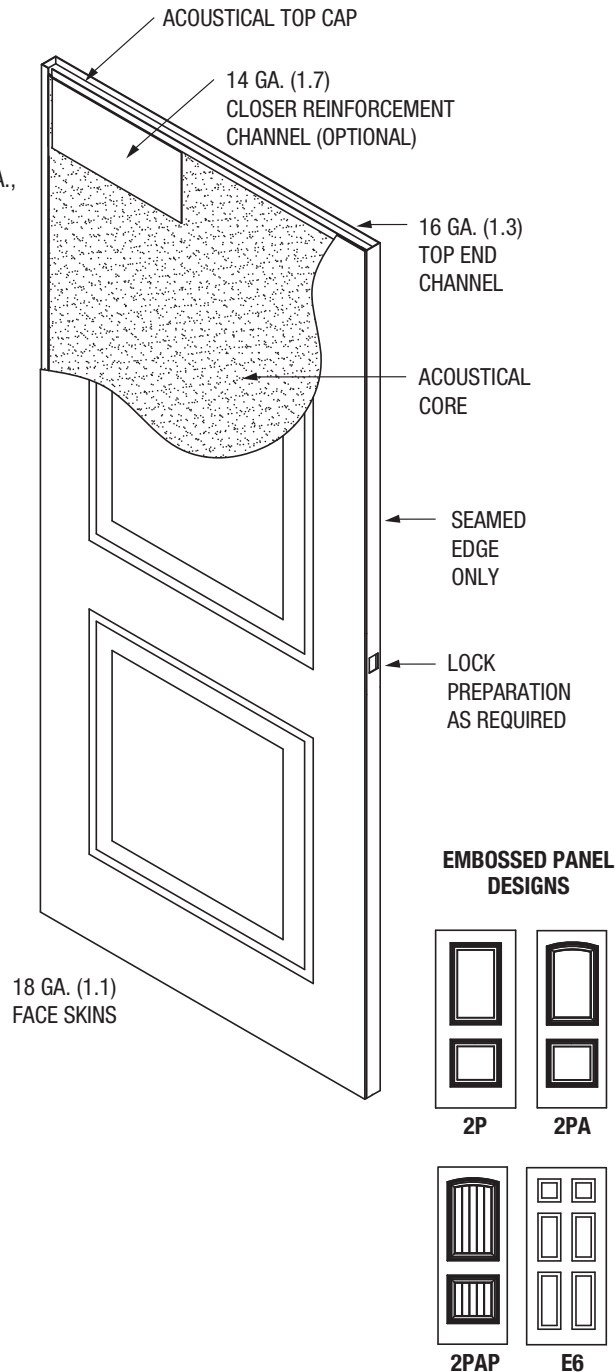
PEMCO S88

BOTTOM:

PEMCO S771 (2)

PEMCO 2008 PK

PEMCO ACP 112





STANDARDS COMPLIANCE:

ASTM E 90, ASTM E 1332, ASTM E2235, ASTM E413, SDI 128 AND HMMA 865

NOTES:

1. MUTES NOT ALLOWED
2. SURFACE CLOSER ONLY
3. STC LABEL APPLIED TO DOOR ONLY
4. WALL CONSTRUCTION NEEDS TO BE EQUAL OR GREATER STC VALUE AS DOOR/FRAME
5. THE FRAME MUST BE MORTAR FILLED TO ACHIEVE AN STC RATING OF 40 AND ABOVE
6. 1-3/4" THICK DOORS
7. FRAMES MUST BE SINGLE OR DOUBLE RABBET, CONTINUOUSLY WELDED. 16 OR 14 GA., STANDARD HOLLOW METAL FRAME
8. HINGES - 4-1/2" STANDARD OR HEAVYWEIGHT, 5" STANDARD OR HEAVYWEIGHT
9. ELECTRIC RACEWAYS ARE ALLOWED
10. ALL SEALS & THRESHOLDS INCLUDED
11. OTHER NON-TESTED ASSEMBLIES ARE AVAILABLE. CONTACT FACTORY FOR DETAILS

OPTIONAL HARDWARE PREPARATIONS ARE: ELECTRICAL POWER TRANSFER (EPT), MAG SWITCH AND DEADBOLT

- STC 36 (6) PANEL WITH CYLINDRICAL LOCK. ANY COMBINATION OF THREE OPTIONAL PREPARATIONS ALLOWED.
- STC 36 (6) PANEL WITH MORTISE LOCK. ANY COMBINATION OF THREE OPTIONAL PREPARATIONS ALLOWED.
- STC 36 (6) PANEL WITH RIM EXIT. ANY COMBINATION OF THREE OPTIONAL PREPARATIONS ALLOWED.
- STC 36 (2) PANEL WITH CYLINDRICAL LOCK. ANY COMBINATION OF THREE OPTIONAL PREPARATIONS ALLOWED.
- STC 36 (2) PANEL WITH MORTISE LOCK. ANY COMBINATION OF THREE OPTIONAL PREPARATIONS ALLOWED.
- STC 36 (2) PANEL WITH RIM EXIT. ANY COMBINATION OF THREE OPTIONAL PREPARATIONS ALLOWED.

FIRE RATING:

45 MINUTE

OPENING SIZES:

- MINIMUM SIZE - 2'8" X 6'8" SINGLE (6 PANEL)
- MINIMUM SIZE - 2'8" X 6'8" SINGLE (2 PANEL)
- MAXIMUM SIZE - 3'0" X 7'0" SINGLE (6 PANEL)
- MAXIMUM SIZE - 3'0" X 8'0" SINGLE (2 PANEL)

FACE TYPES:

NO LITES ALLOWED

SEAL SET #6:

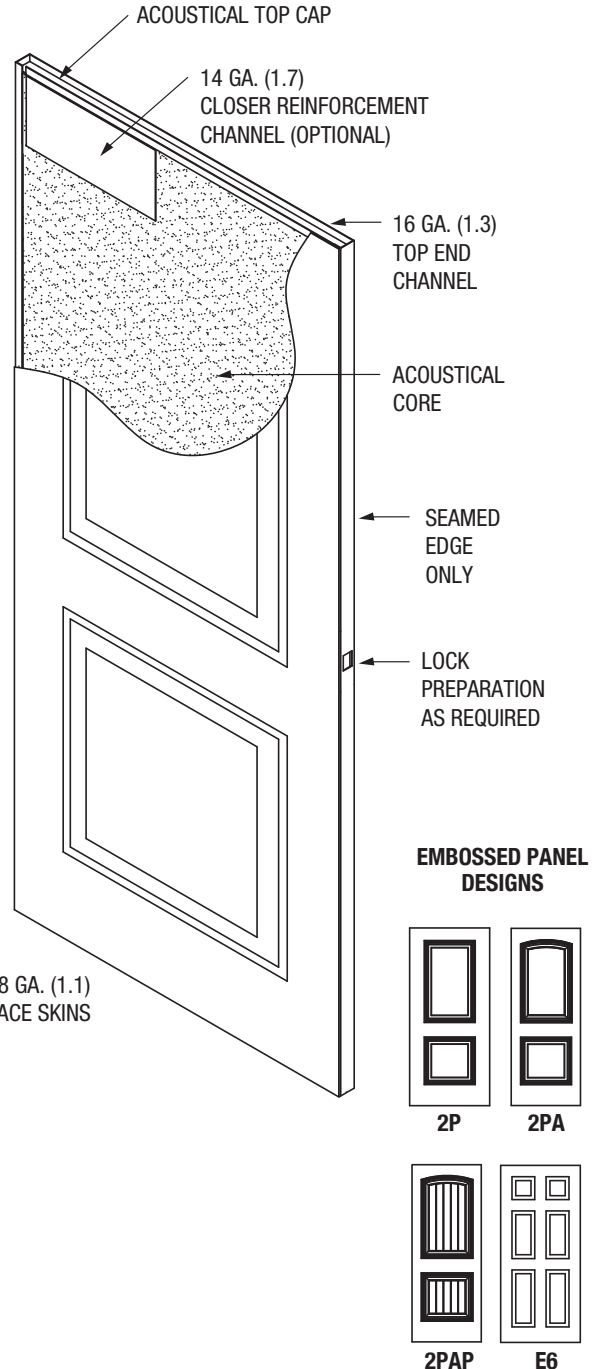
(MAY VARY DEPENDING ON FEATURES/REQUIREMENTS OF OPENINGS)

PERIMETER:

- PEMCO S44
- PEMCO S773
- PEMCO S88

BOTTOM:

- PEMCO S771 (2)
- PEMCO 2008 PK
- PEMCO ACP 112





May, 2016



STANDARDS COMPLIANCE:

ASTM E 90, ASTM E 1332, ASTM E2235, ASTM E413, SDI 128 AND HMMA 865

NOTES:

1. MUTES NOT ALLOWED
2. SURFACE CLOSER ONLY
3. STC LABEL APPLIED TO DOOR ONLY
4. WALL CONSTRUCTION NEEDS TO BE EQUAL OR GREATER STC VALUE AS DOOR/FRAME
5. THE FRAME MUST BE MORTAR FILLED TO ACHIEVE AN STC RATING OF 40 AND ABOVE
6. 1-3/4" THICK DOORS
7. FRAMES MUST BE SINGLE OR DOUBLE RABBET, CONTINUOUSLY WELDED. 16 OR 14 GA., STANDARD HOLLOW METAL FRAME
8. HINGES - 4-1/2" STANDARD OR HEAVYWEIGHT, 5" STANDARD OR HEAVYWEIGHT
9. ELECTRIC RACEWAYS ARE ALLOWED
10. ALL SEALS & THRESHOLDS INCLUDED
11. OTHER NON-TESTED ASSEMBLIES ARE AVAILABLE. CONTACT FACTORY FOR DETAILS

OPTIONAL HARDWARE PREPARATIONS ARE: ELECTRICAL POWER TRANSFER (EPT), MAG SWITCH AND DEADBOLT

STC 37 (6) PANEL WITH CYLINDRICAL LOCK. ANY COMBINATION OF THREE OPTIONAL PREPARATIONS ALLOWED.

STC 37 (6) PANEL WITH MORTISE LOCK. ANY COMBINATION OF THREE OPTIONAL PREPARATIONS ALLOWED.

STC 37 (6) PANEL WITH RIM EXIT. ANY COMBINATION OF THREE OPTIONAL PREPARATIONS ALLOWED.

STC 37 (2) PANEL WITH CYLINDRICAL LOCK. ANY COMBINATION OF THREE OPTIONAL PREPARATIONS ALLOWED.

STC 37 (2) PANEL WITH MORTISE LOCK. ANY COMBINATION OF THREE OPTIONAL PREPARATIONS ALLOWED.

STC 37 (2) PANEL WITH RIM EXIT. ANY COMBINATION OF THREE OPTIONAL PREPARATIONS ALLOWED.

FIRE RATING:

45 MINUTE

OPENING SIZES:

MINIMUM SIZE - 2'8" X 6'8" SINGLE (6 PANEL)

MINIMUM SIZE - 2'8" X 6'8" SINGLE (2 PANEL)

MAXIMUM SIZE - 3'0" X 7'0" SINGLE (6 PANEL)

MAXIMUM SIZE - 3'0" X 8'0" SINGLE (2 PANEL)

FACE TYPES:

NO LITES ALLOWED

SEAL SET #6:

(MAY VARY DEPENDING ON FEATURES/REQUIREMENTS OF OPENINGS)

PERIMETER:

PEMCO S44

PEMCO S773

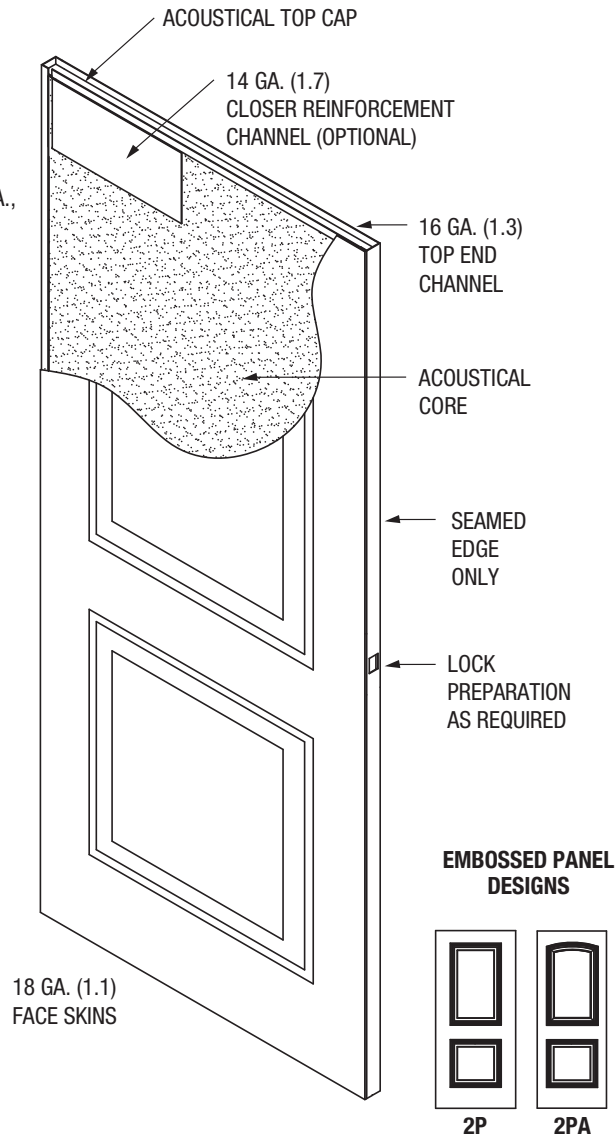
PEMCO S88

BOTTOM:

PEMCO S771 (2)

PEMCO 2008 PK

PEMCO ACP 112





STANDARDS COMPLIANCE:

ASTM E 90, ASTM E 1332, ASTM E2235, ASTM E413, SDI 128 AND HMMA 865

NOTES:

1. MUTES NOT ALLOWED
2. SURFACE CLOSER ONLY
3. STC LABEL APPLIED TO DOOR ONLY
4. WALL CONSTRUCTION NEEDS TO BE EQUAL OR GREATER STC VALUE AS DOOR/FRAME
5. THE FRAME MUST BE MORTAR FILLED TO ACHIEVE AN STC RATING OF 40 AND ABOVE
6. 1-3/4" THICK DOORS
7. FRAMES MUST BE SINGLE OR DOUBLE RABBET, CONTINUOUSLY WELDED. 16 OR 14 GA., STANDARD HOLLOW METAL FRAME
8. HINGES - 4-1/2" STANDARD OR HEAVYWEIGHT, 5" STANDARD OR HEAVYWEIGHT
9. ELECTRIC RACEWAYS ARE ALLOWED
10. ALL SEALS & THRESHOLDS INCLUDED
11. OTHER NON-TESTED ASSEMBLIES ARE AVAILABLE. CONTACT FACTORY FOR DETAILS

OPTIONAL HARDWARE PREPARATIONS ARE: ELECTRICAL POWER TRANSFER (EPT), MAG SWITCH AND DEADBOLT

- STC 38 (6) PANEL WITH CYLINDRICAL LOCK. ANY COMBINATION OF THREE OPTIONAL PREPARATIONS ALLOWED.
- STC 38 (6) PANEL WITH MORTISE LOCK. ANY COMBINATION OF THREE OPTIONAL PREPARATIONS ALLOWED.
- STC 38 (6) PANEL WITH RIM EXIT. ANY COMBINATION OF THREE OPTIONAL PREPARATIONS ALLOWED.
- STC 38 (2) PANEL WITH CYLINDRICAL LOCK. ANY COMBINATION OF THREE OPTIONAL PREPARATIONS ALLOWED.
- STC 38 (2) PANEL WITH MORTISE LOCK. ANY COMBINATION OF THREE OPTIONAL PREPARATIONS ALLOWED.
- STC 38 (2) PANEL WITH RIM EXIT. ANY COMBINATION OF THREE OPTIONAL PREPARATIONS ALLOWED.

FIRE RATING:

45 MINUTE

OPENING SIZES:

- MINIMUM SIZE - 2'8" X 6'8" SINGLE (6 PANEL)
- MINIMUM SIZE - 2'8" X 6'8" SINGLE (2 PANEL)
- MAXIMUM SIZE - 3'0" X 7'0" SINGLE (6 PANEL)
- MAXIMUM SIZE - 3'0" X 8'0" SINGLE (2 PANEL)

FACE TYPES:

NO LITES ALLOWED

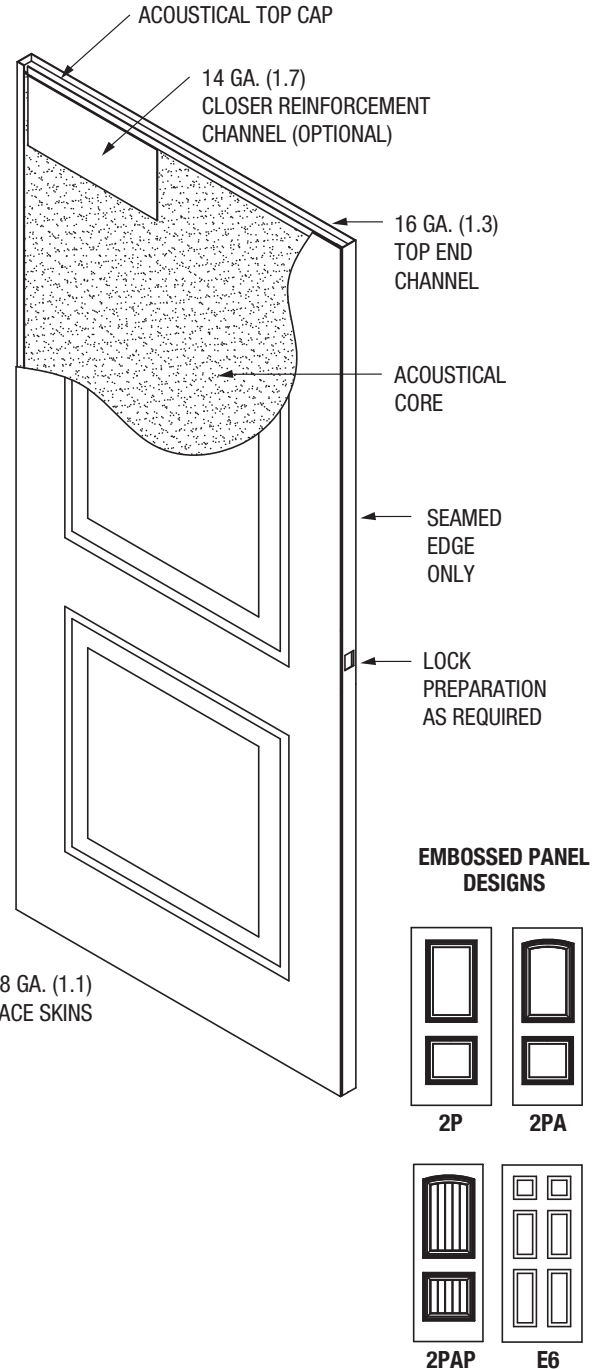
SEAL SET #6:

(MAY VARY DEPENDING ON FEATURES/REQUIREMENTS OF OPENINGS)

- PERIMETER:
- PEMCO S44
- PEMCO S773
- PEMCO S88

BOTTOM:

- PEMCO S771 (2)
- PEMCO 2008 PK
- PEMCO ACP 112



May, 2016

**STANDARDS COMPLIANCE:**

ASTM E 90, ASTM E 1332, ASTM E2235, ASTM E413, SDI 128 AND HMMA 865

NOTES:

1. MUTES NOT ALLOWED
2. SURFACE CLOSER ONLY
3. STC LABEL APPLIED TO DOOR ONLY
4. WALL CONSTRUCTION NEEDS TO BE EQUAL OR GREATER STC VALUE AS DOOR/FRAME
5. THE FRAME MUST BE MORTAR FILLED TO ACHIEVE AN STC RATING OF 40 AND ABOVE
6. 1-3/4" THICK DOORS
7. FRAMES MUST BE SINGLE OR DOUBLE RABBET, CONTINUOUSLY WELDED. 16 OR 14 GA., STANDARD HOLLOW METAL FRAME
8. HINGES - 4-1/2" STANDARD OR HEAVYWEIGHT, 5" STANDARD OR HEAVYWEIGHT
9. ELECTRIC RACEWAYS ARE ALLOWED
10. ALL SEALS & THRESHOLDS INCLUDED
11. OTHER NON-TESTED ASSEMBLIES ARE AVAILABLE. CONTACT FACTORY FOR DETAILS

OPTIONAL HARDWARE PREPARATIONS ARE: ELECTRICAL POWER TRANSFER (EPT), MAG SWITCH AND DEADBOLT

STC 39 (6) PANEL WITH CYLINDRICAL LOCK. ANY COMBINATION OF THREE OPTIONAL PREPARATIONS ALLOWED.

STC 39 (6) PANEL WITH MORTISE LOCK. ANY COMBINATION OF THREE OPTIONAL PREPARATIONS ALLOWED.

STC 39 (6) PANEL WITH RIM EXIT. ANY COMBINATION OF THREE OPTIONAL PREPARATIONS ALLOWED.

STC 39 (2) PANEL WITH CYLINDRICAL LOCK. ANY COMBINATION OF THREE OPTIONAL PREPARATIONS ALLOWED.

STC 39 (2) PANEL WITH MORTISE LOCK. ANY COMBINATION OF THREE OPTIONAL PREPARATIONS ALLOWED.

STC 39 (2) PANEL WITH RIM EXIT. ANY COMBINATION OF THREE OPTIONAL PREPARATIONS ALLOWED.

FIRE RATING:

45 MINUTE

OPENING SIZES:

MINIMUM SIZE - 2'8" X 6'8" SINGLE (6 PANEL)

MINIMUM SIZE - 2'8" X 6'8" SINGLE (2 PANEL)

MAXIMUM SIZE - 3'0" X 7'0" SINGLE (6 PANEL)

MAXIMUM SIZE - 3'0" X 8'0" SINGLE (2 PANEL)

FACE TYPES:

NO LITES ALLOWED

SEAL SET #6:

(MAY VARY DEPENDING ON FEATURES/REQUIREMENTS OF OPENINGS)

PERIMETER:

PEMKO S44

PEMKO S773

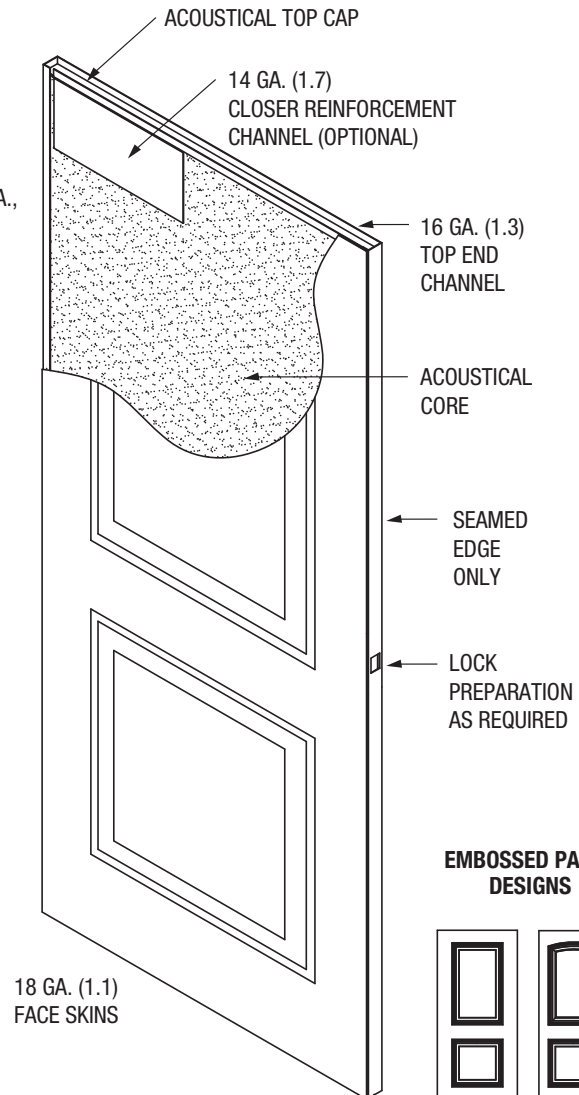
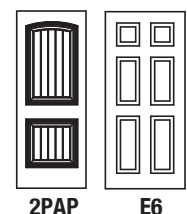
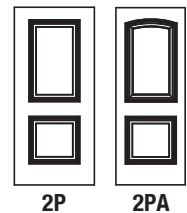
PEMKO S88

BOTTOM:

PEMKO S771 (2)

PEMKO 2008 PK

PEMKO ACP 112

**EMBOSSED PANEL DESIGNS**



STANDARDS COMPLIANCE:

ASTM E 90, ASTM E 1332, ASTM E2235, ASTM E413, SDI 128 AND HMMA 865

NOTES:

1. MUTES NOT ALLOWED
2. SURFACE CLOSER ONLY
3. STC LABEL APPLIED TO DOOR ONLY
4. WALL CONSTRUCTION NEEDS TO BE EQUAL OR GREATER STC VALUE AS DOOR/FRAME
5. THE FRAME MUST BE MORTAR FILLED TO ACHIEVE AN STC RATING OF 40 AND ABOVE
6. 1-3/4" THICK DOORS
7. FRAMES MUST BE SINGLE OR DOUBLE RABBET, CONTINUOUSLY WELDED. 16 OR 14 GA., STANDARD HOLLOW METAL FRAME
8. HINGES - 4-1/2" STANDARD OR HEAVYWEIGHT, 5" STANDARD OR HEAVYWEIGHT
9. ELECTRIC RACEWAYS ARE ALLOWED
10. ALL SEALS & THRESHOLDS INCLUDED
11. OTHER NON-TESTED ASSEMBLIES ARE AVAILABLE. CONTACT FACTORY FOR DETAILS

OPTIONAL HARDWARE PREPARATIONS ARE: ELECTRICAL POWER TRANSFER (EPT), MAG SWITCH AND DEADBOLT

- STC 40 (6) PANEL WITH CYLINDRICAL LOCK. ANY COMBINATION OF THREE OPTIONAL PREPARATIONS ALLOWED.
- STC 40 (6) PANEL WITH MORTISE LOCK. ANY COMBINATION OF THREE OPTIONAL PREPARATIONS ALLOWED.
- STC 40 (6) PANEL WITH RIM EXIT. ANY COMBINATION OF THREE OPTIONAL PREPARATIONS ALLOWED.
- STC 40 (2) PANEL WITH CYLINDRICAL LOCK. ANY COMBINATION OF THREE OPTIONAL PREPARATIONS ALLOWED.
- STC 40 (2) PANEL WITH MORTISE LOCK. ANY COMBINATION OF THREE OPTIONAL PREPARATIONS ALLOWED.
- STC 40 (2) PANEL WITH RIM EXIT. ANY COMBINATION OF THREE OPTIONAL PREPARATIONS ALLOWED.

FIRE RATING:

45 MINUTE

OPENING SIZES:

- MINIMUM SIZE - 2'8" X 6'8" SINGLE (6 PANEL)
- MINIMUM SIZE - 2'8" X 6'8" SINGLE (2 PANEL)
- MAXIMUM SIZE - 3'0" X 7'0" SINGLE (6 PANEL)
- MAXIMUM SIZE - 3'0" X 8'0" SINGLE (2 PANEL)

FACE TYPES:

NO LITES ALLOWED

SEAL SET #6:

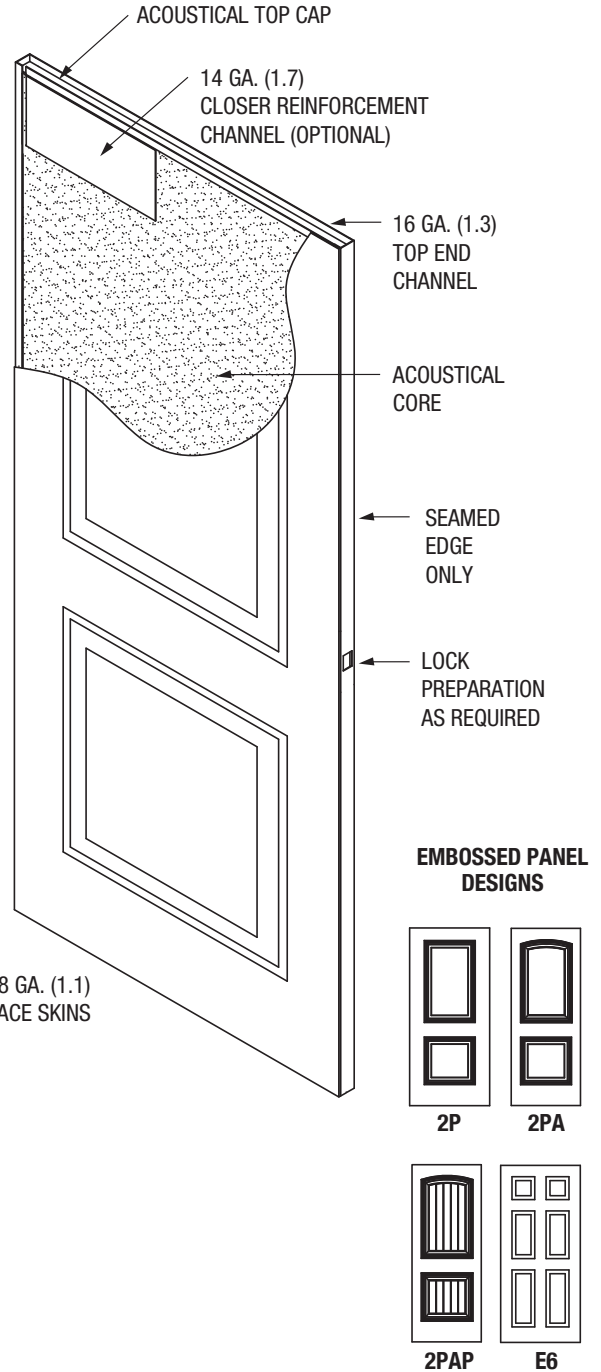
(MAY VARY DEPENDING ON FEATURES/REQUIREMENTS OF OPENINGS)

PERIMETER:

- PEMCO S44
- PEMCO S773
- PEMCO S88

BOTTOM:

- PEMCO S771 (2)
- PEMCO 2008 PK
- PEMCO ACP 112





May, 2016



STANDARDS COMPLIANCE:

ASTM E 90, ASTM E 1332, ASTM E2235, ASTM E413, SDI 128 AND HMMA 865

NOTES:

1. MUTES NOT ALLOWED
2. SURFACE CLOSER ONLY
3. STC LABEL APPLIED TO DOOR ONLY
4. WALL CONSTRUCTION NEEDS TO BE EQUAL OR GREATER STC VALUE AS DOOR/FRAME
5. THE FRAME MUST BE MORTAR FILLED TO ACHIEVE AN STC RATING OF 40 AND ABOVE
6. 1-3/4" THICK DOORS
7. FRAMES MUST BE SINGLE OR DOUBLE RABBET, CONTINUOUSLY WELDED. 16 OR 14 GA., STANDARD HOLLOW METAL FRAME
8. HINGES - 4-1/2" STANDARD OR HEAVYWEIGHT, 5" STANDARD OR HEAVYWEIGHT
9. ELECTRIC RACEWAYS ARE ALLOWED
10. ALL SEALS & THRESHOLDS INCLUDED
11. OTHER NON-TESTED ASSEMBLIES ARE AVAILABLE. CONTACT FACTORY FOR DETAILS

OPTIONAL HARDWARE PREPARATIONS ARE: ELECTRICAL POWER TRANSFER (EPT), MAG SWITCH AND DEADBOLT

STC 41 (6) PANEL WITH CYLINDRICAL LOCK. ANY COMBINATION OF THREE OPTIONAL PREPARATIONS ALLOWED.

STC 41 (6) PANEL WITH MORTISE LOCK. ANY COMBINATION OF THREE OPTIONAL PREPARATIONS ALLOWED.

STC 41 (6) PANEL WITH RIM EXIT. ANY COMBINATION OF THREE OPTIONAL PREPARATIONS ALLOWED.

STC 41 (2) PANEL WITH CYLINDRICAL LOCK. ANY COMBINATION OF THREE OPTIONAL PREPARATIONS ALLOWED.

STC 41 (2) PANEL WITH MORTISE LOCK. ANY COMBINATION OF THREE OPTIONAL PREPARATIONS ALLOWED.

STC 41 (2) PANEL WITH RIM EXIT. ANY COMBINATION OF THREE OPTIONAL PREPARATIONS ALLOWED.

FIRE RATING:

45 MINUTE

OPENING SIZES:

MINIMUM SIZE - 2'8" X 6'8" SINGLE (6 PANEL)

MINIMUM SIZE - 2'8" X 6'8" SINGLE (2 PANEL)

MAXIMUM SIZE - 3'0" X 7'0" SINGLE (6 PANEL)

MAXIMUM SIZE - 3'0" X 8'0" SINGLE (2 PANEL)

FACE TYPES:

NO LITES ALLOWED

SEAL SET #6:

(MAY VARY DEPENDING ON FEATURES/REQUIREMENTS OF OPENINGS)

PERIMETER:

PEMKO S44

PEMKO S773

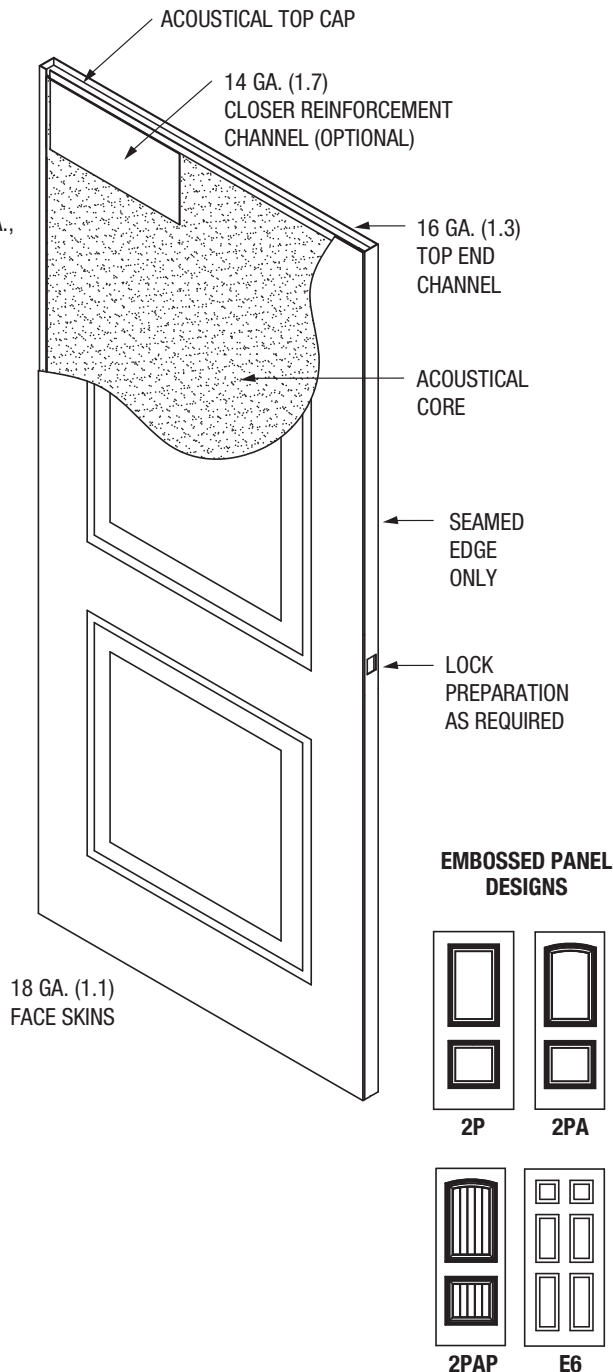
PEMKO S88

BOTTOM:

PEMKO S771 (2)

PEMKO 2008 PK

PEMKO ACP 112





STANDARDS COMPLIANCE:

ASTM E 90, ASTM E 1332, ASTM E2235, ASTM E413, SDI 128 AND HMMA 865

NOTES:

1. MUTES NOT ALLOWED
2. SURFACE CLOSER ONLY
3. STC LABEL APPLIED TO DOOR ONLY
4. WALL CONSTRUCTION NEEDS TO BE EQUAL OR GREATER STC VALUE AS DOOR/FRAME
5. THE FRAME MUST BE MORTAR FILLED TO ACHIEVE AN STC RATING OF 40 AND ABOVE
6. 1-3/4" THICK DOORS
7. FRAMES MUST BE SINGLE OR DOUBLE RABBET, CONTINUOUSLY WELDED. 16 OR 14 GA., STANDARD HOLLOW METAL FRAME
8. HINGES - 4-1/2" STANDARD OR HEAVYWEIGHT, 5" STANDARD OR HEAVYWEIGHT
9. ELECTRIC RACEWAYS ARE ALLOWED
10. ALL SEALS & THRESHOLDS INCLUDED
11. OTHER NON-TESTED ASSEMBLIES ARE AVAILABLE. CONTACT FACTORY FOR DETAILS

OPTIONAL HARDWARE PREPARATIONS ARE: ELECTRICAL POWER TRANSFER (EPT), MAG SWITCH AND DEADBOLT

- STC 42 (6) PANEL WITH CYLINDRICAL LOCK. ANY COMBINATION OF THREE OPTIONAL PREPARATIONS ALLOWED.
- STC 42 (6) PANEL WITH MORTISE LOCK. ANY COMBINATION OF THREE OPTIONAL PREPARATIONS ALLOWED.
- STC 42 (6) PANEL WITH RIM EXIT. ANY COMBINATION OF THREE OPTIONAL PREPARATIONS ALLOWED.
- STC 42 (2) PANEL WITH CYLINDRICAL LOCK. ANY COMBINATION OF THREE OPTIONAL PREPARATIONS ALLOWED.
- STC 42 (2) PANEL WITH MORTISE LOCK. ANY COMBINATION OF THREE OPTIONAL PREPARATIONS ALLOWED.
- STC 42 (2) PANEL WITH RIM EXIT. ANY COMBINATION OF TWO OPTIONAL PREPARATIONS ALLOWED.

FIRE RATING:

45 MINUTE

OPENING SIZES:

- MINIMUM SIZE - 2'8" X 6'8" SINGLE (6 PANEL)
- MINIMUM SIZE - 2'8" X 6'8" SINGLE (2 PANEL)
- MAXIMUM SIZE - 3'0" X 7'0" SINGLE (6 PANEL)
- MAXIMUM SIZE - 3'0" X 8'0" SINGLE (2 PANEL)

FACE TYPES:

NO LITES ALLOWED

SEAL SET #6:

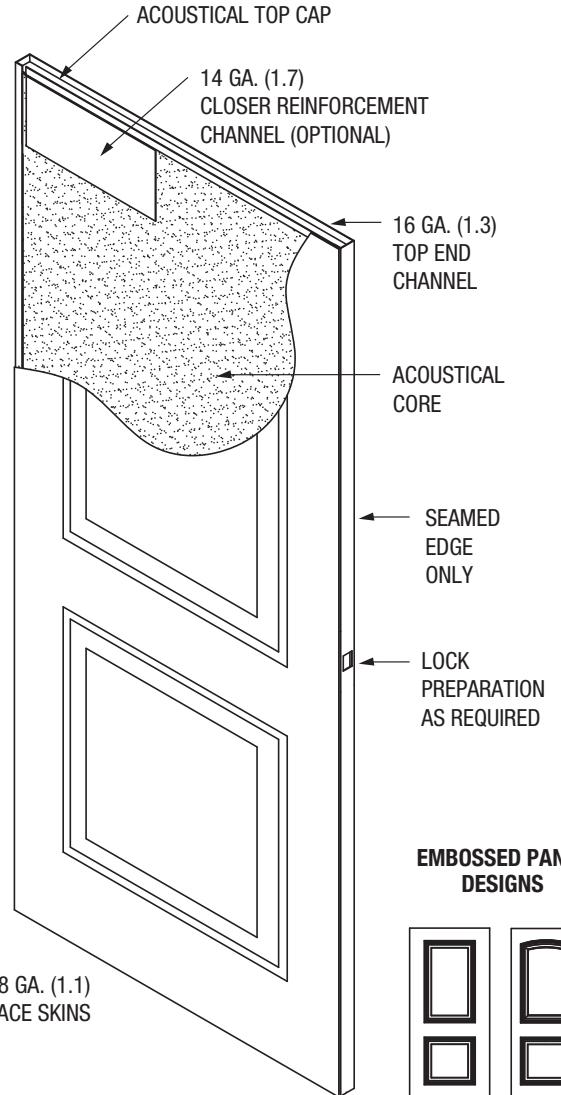
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PERIMETER:

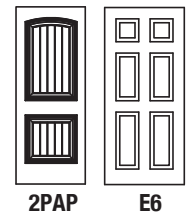
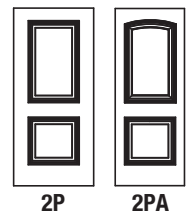
- PEMCO S44
- PEMCO S773
- PEMCO S88

BOTTOM:

- PEMCO S771 (2)
- PEMCO 2008 PK
- PEMCO ACP 112



EMBOSSED PANEL DESIGNS





May, 2016



STANDARDS COMPLIANCE:

ASTM E 90, ASTM E 1332, ASTM E2235, ASTM E413, SDI 128 AND HMMA 865

NOTES:

1. MUTES NOT ALLOWED
2. SURFACE CLOSER ONLY
3. STC LABEL APPLIED TO DOOR ONLY
4. WALL CONSTRUCTION NEEDS TO BE EQUAL OR GREATER STC VALUE AS DOOR/FRAME
5. THE FRAME MUST BE MORTAR FILLED TO ACHIEVE AN STC RATING OF 40 AND ABOVE
6. 1-3/4" THICK DOORS
7. FRAMES MUST BE SINGLE OR DOUBLE RABBET, CONTINUOUSLY WELDED. 16 OR 14 GA., STANDARD HOLLOW METAL FRAME
8. HINGES - 4-1/2" STANDARD OR HEAVYWEIGHT, 5" STANDARD OR HEAVYWEIGHT
9. ELECTRIC RACEWAYS ARE ALLOWED
10. ALL SEALS & THRESHOLDS INCLUDED
11. OTHER NON-TESTED ASSEMBLIES ARE AVAILABLE. CONTACT FACTORY FOR DETAILS

OPTIONAL HARDWARE PREPARATIONS ARE: ELECTRICAL POWER TRANSFER (EPT), MAG SWITCH AND DEADBOLT

- STC 43 (6) PANEL WITH CYLINDRICAL LOCK. ANY COMBINATION OF THREE OPTIONAL PREPARATIONS ALLOWED.
- STC 343 (6) PANEL WITH MORTISE LOCK. ANY COMBINATION OF THREE OPTIONAL PREPARATIONS ALLOWED.
- STC 43 (6) PANEL WITH RIM EXIT. TWO OPTIONAL PREPARATIONS ALLOWED.
- STC 43 (6) PANEL WITH RIM EXIT. ANY COMBINATION OF TWO OPTIONAL PREPARATIONS ALLOWED.
- STC 43 (2) PANEL WITH CYLINDRICAL LOCK. ANY COMBINATION OF THREE OPTIONAL PREPARATIONS ALLOWED.
- STC 43 (2) PANEL WITH MORTISE LOCK. ANY COMBINATION OF TWO OPTIONAL PREPARATIONS ALLOWED.
- STC 43 (2) PANEL WITH RIM EXIT. ONE OPTIONAL PREPARATION ALLOWED.

FIRE RATING:

45 MINUTE

OPENING SIZES:

- MINIMUM SIZE - 2'8" X 6'8" SINGLE (6 PANEL)
- MINIMUM SIZE - 2'8" X 6'8" SINGLE (2 PANEL)
- MAXIMUM SIZE - 3'0" X 7'0" SINGLE (6 PANEL)
- MAXIMUM SIZE - 3'0" X 8'0" SINGLE (2 PANEL)

FACE TYPES:

NO LITES ALLOWED

SEAL SET #6:

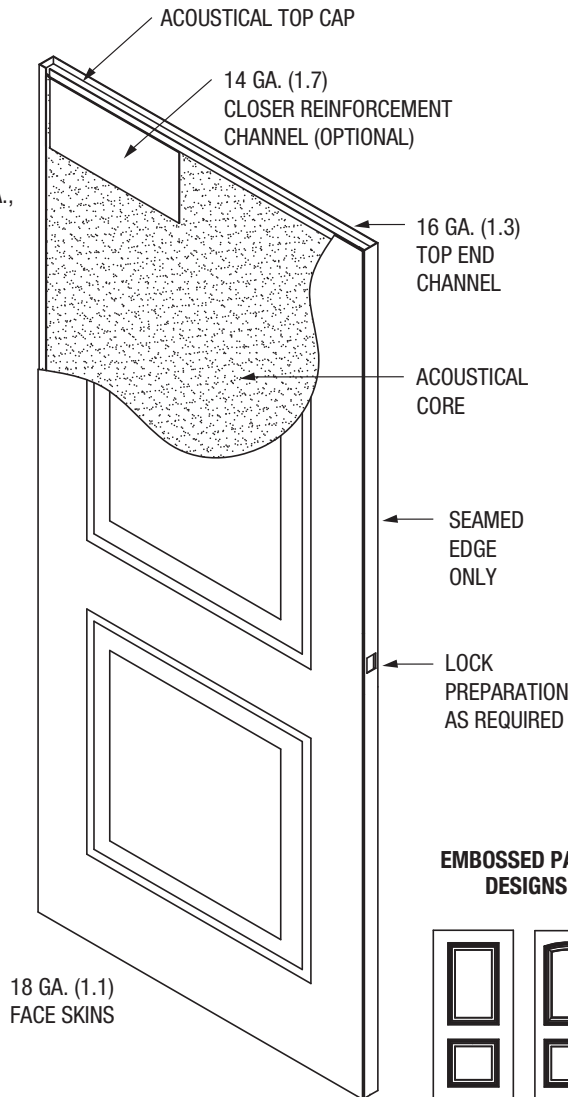
(MAY VARY DEPENDING ON FEATURES/REQUIREMENTS OF OPENINGS)

PERIMETER:

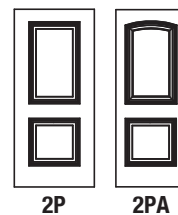
- PEMKO S44
- PEMKO S773
- PEMKO S88

BOTTOM:

- PEMKO S771 (2)
- PEMKO 2008 PK
- PEMKO ACP 112



EMBOSSED PANEL DESIGNS





STANDARDS COMPLIANCE:

ASTM E 90, ASTM E 1332, ASTM E2235, ASTM E413, SDI 128 AND HMMA 865

NOTES:

1. MUTES NOT ALLOWED
2. SURFACE CLOSER ONLY
3. STC LABEL APPLIED TO DOOR ONLY
4. WALL CONSTRUCTION NEEDS TO BE EQUAL OR GREATER STC VALUE AS DOOR/FRAME
5. THE FRAME MUST BE MORTAR FILLED TO ACHIEVE AN STC RATING OF 40 AND ABOVE
6. 1-3/4" THICK DOORS
7. FRAMES MUST BE SINGLE OR DOUBLE RABBET, CONTINUOUSLY WELDED. 16 OR 14 GA., STANDARD HOLLOW METAL FRAME
8. HINGES - 4-1/2" STANDARD OR HEAVYWEIGHT, 5" STANDARD OR HEAVYWEIGHT
9. ELECTRIC RACEWAYS ARE ALLOWED
10. ALL SEALS & THRESHOLDS INCLUDED
11. OTHER NON-TESTED ASSEMBLIES ARE AVAILABLE. CONTACT FACTORY FOR DETAILS

OPTIONAL HARDWARE PREPARATIONS ARE: ELECTRICAL POWER TRANSFER (EPT), MAG SWITCH AND DEADBOLT

- STC 44 (6) PANEL WITH CYLINDRICAL LOCK. ANY COMBINATION OF THREE OPTIONAL PREPARATIONS ALLOWED.
- STC 44 (6) PANEL WITH MORTISE LOCK. TWO OPTIONAL PREPARATIONS ALLOWED.
- STC 44 (6) PANEL WITH RIM EXIT. ONE OPTIONAL PREPARATION ALLOWED.
- STC 44 (2) PANEL WITH CYLINDRICAL LOCK. ANY COMBINATION OF TWO OPTIONAL PREPARATIONS ALLOWED.
- STC 44 (2) PANEL WITH MORTISE LOCK. ONE OPTIONAL PREPARATION ALLOWED.
- STC 44 (2) PANEL WITH RIM EXIT. ADDITIONAL OPTIONS NOT ALLOWED.

FIRE RATING:

45 MINUTE

OPENING SIZES:

- MINIMUM SIZE - 2'8" X 6'8" SINGLE (6 PANEL)
- MINIMUM SIZE - 2'8" X 6'8" SINGLE (2 PANEL)
- MAXIMUM SIZE - 3'0" X 7'0" SINGLE (6 PANEL)
- MAXIMUM SIZE - 3'0" X 8'0" SINGLE (2 PANEL)

FACE TYPES:

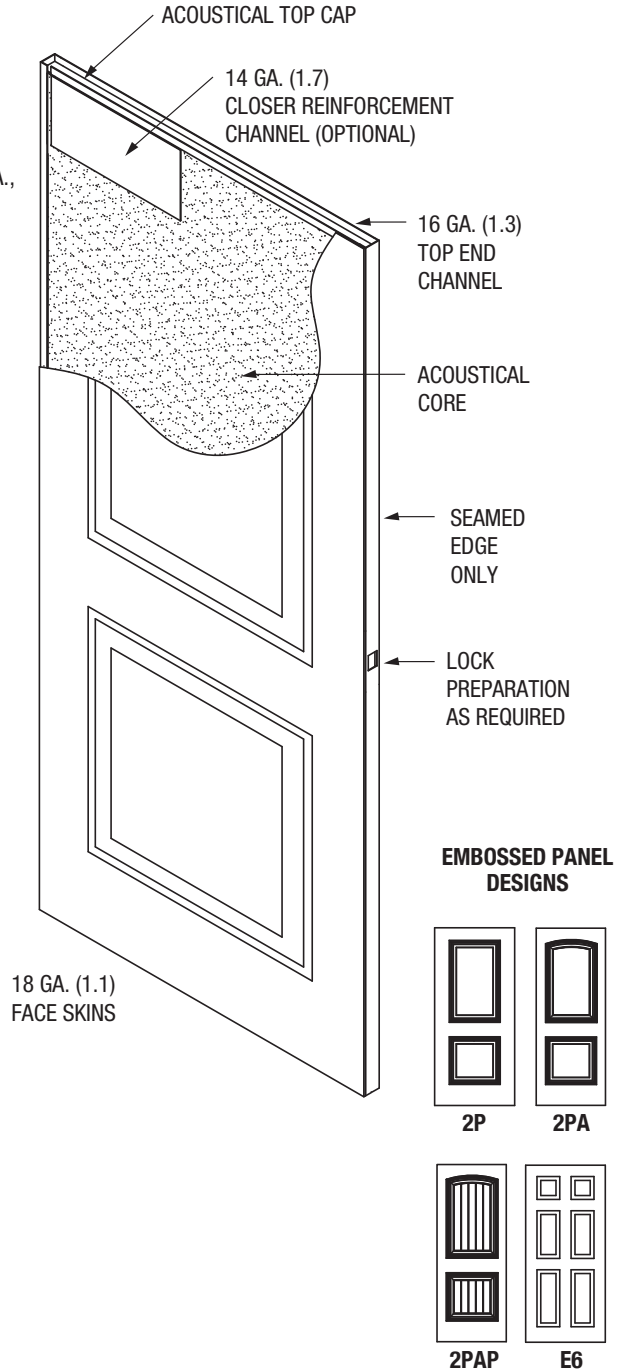
NO LITES ALLOWED

SEAL SET #6:

(MAY VARY DEPENDING ON FEATURES/REQUIREMENTS OF OPENINGS)

- PERIMETER:
 PEMKO S44
 PEMKO S773
 PEMKO S88

- BOTTOM:
 PEMKO S771 (2)
 PEMKO 2008 PK
 PEMKO ACP 112



May, 2016



STANDARDS COMPLIANCE:

ASTM E 90, ASTM E 1332, ASTM E2235, ASTM E413, SDI 128 AND HMMA 865

NOTES:

1. MUTES NOT ALLOWED
2. SURFACE CLOSER ONLY
3. STC LABEL APPLIED TO DOOR ONLY
4. WALL CONSTRUCTION NEEDS TO BE EQUAL OR GREATER STC VALUE AS DOOR/FRAME
5. THE FRAME MUST BE MORTAR FILLED TO ACHIEVE AN STC RATING OF 40 AND ABOVE
6. 1-3/4" THICK DOORS
7. FRAMES MUST BE SINGLE OR DOUBLE RABBET, CONTINUOUSLY WELDED. 16 OR 14 GA., STANDARD HOLLOW METAL FRAME
8. HINGES - 4-1/2" STANDARD OR HEAVYWEIGHT, 5" STANDARD OR HEAVYWEIGHT
9. ELECTRIC RACEWAYS ARE ALLOWED
10. ALL SEALS & THRESHOLDS INCLUDED
11. OTHER NON-TESTED ASSEMBLIES ARE AVAILABLE. CONTACT FACTORY FOR DETAILS

OPTIONAL HARDWARE PREPARATIONS ARE: ELECTRICAL POWER TRANSFER (EPT), MAG SWITCH AND DEADBOLT

STC 45 (6) PANEL WITH CYLINDRICAL LOCK. ANY COMBINATION OF TWO OPTIONAL PREPARATIONS ALLOWED.

STC 45 (6) PANEL WITH MORTISE LOCK. ONE OPTIONAL PREPARATION ALLOWED.

STC 45 (6) PANEL WITH RIM EXIT. ADDITIONAL OPTIONS NOT ALLOWED.

STC 45 (2) PANEL WITH CYLINDRICAL LOCK. ONE OPTIONAL PREPARATION ALLOWED.

STC 45 (2) PANEL WITH MORTISE LOCK. ADDITIONAL OPTIONS NOT ALLOWED.

FIRE RATING:

45 MINUTE

OPENING SIZES:

MINIMUM SIZE - 2'8" X 6'8" SINGLE (6 PANEL)

MINIMUM SIZE - 2'8" X 6'8" SINGLE (2 PANEL)

MAXIMUM SIZE - 3'0" X 7'0" SINGLE (6 PANEL)

MAXIMUM SIZE - 3'0" X 8'0" SINGLE (2 PANEL)

FACE TYPES:

NO LITES ALLOWED

SEAL SET #6:

(MAY VARY DEPENDING ON FEATURES/REQUIREMENTS OF OPENINGS)

PERIMETER:

PEMKO S44

PEMKO S773

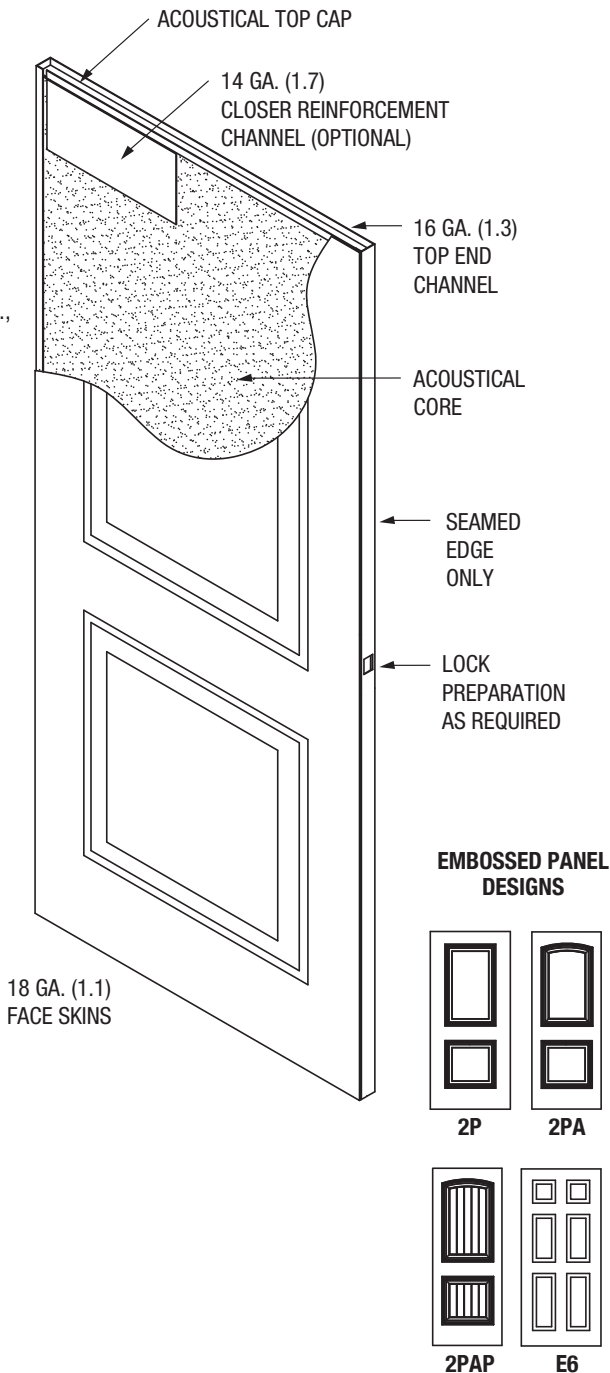
PEMKO S88

BOTTOM:

PEMKO S771 (2)

PEMKO 2008 PK

PEMKO ACP 112





STANDARDS COMPLIANCE:

ASTM E 90, ASTM E 1332, ASTM E2235, ASTM E413, SDI 128 AND HMMA 865

NOTES:

1. MUTES NOT ALLOWED
2. SURFACE CLOSER ONLY
3. STC LABEL APPLIED TO DOOR ONLY
4. WALL CONSTRUCTION NEEDS TO BE EQUAL OR GREATER STC VALUE AS DOOR/FRAME
5. THE FRAME MUST BE MORTAR FILLED TO ACHIEVE AN STC RATING OF 40 AND ABOVE
6. 1-3/4" THICK DOORS
7. FRAMES MUST BE SINGLE OR DOUBLE RABBET, CONTINUOUSLY WELDED. 16 OR 14 GA., STANDARD HOLLOW METAL FRAME
8. HINGES - 4-1/2" STANDARD OR HEAVYWEIGHT, 5" STANDARD OR HEAVYWEIGHT
9. ELECTRIC RACEWAYS ARE ALLOWED
10. ALL SEALS & THRESHOLDS INCLUDED
11. OTHER NON-TESTED ASSEMBLIES ARE AVAILABLE. CONTACT FACTORY FOR DETAILS

OPTIONAL HARDWARE PREPARATIONS ARE: ELECTRICAL POWER TRANSFER (EPT), MAG SWITCH AND DEADBOLT

STC 46 (6) PANEL WITH CYLINDRICAL LOCK. ONE OPTIONAL PREPARATION ALLOWED.

STC 46 (6) PANEL WITH MORTISE LOCK, ADDITIONAL OPTIONS NOT ALLOWED.

STC 46 (2) PANEL WITH CYLINDRICAL LOCK. ADDITIONAL OPTIONS NOT ALLOWED.

FIRE RATING:

45 MINUTE

OPENING SIZES:

MINIMUM SIZE - 2'8" X 6'8" SINGLE (6 PANEL)

MINIMUM SIZE - 2'8" X 6'8" SINGLE (2 PANEL)

MAXIMUM SIZE - 3'0" X 7'0" SINGLE (6 PANEL)

MAXIMUM SIZE - 3'0" X 8'0" SINGLE (2 PANEL)

FACE TYPES:

NO LITES ALLOWED

SEAL SET #6:

(MAY VARY DEPENDING ON FEATURES/REQUIREMENTS OF OPENINGS)

PERIMETER:

PEMKO S44

PEMKO S773

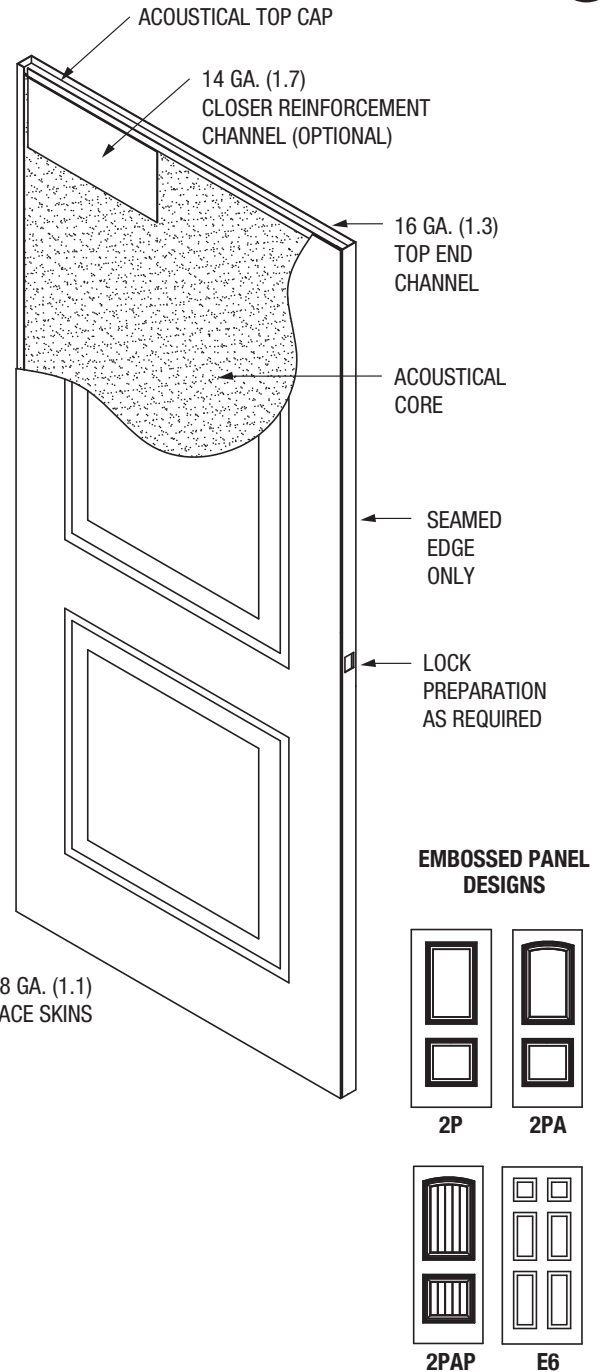
PEMKO S88

BOTTOM:

PEMKO S771 (2)

PEMKO 2008 PK

PEMKO ACP 112



May, 2016

**STANDARDS COMPLIANCE:**

ASTM E 90, ASTM E 1332, ASTM E2235, ASTM E413, SDI 128 AND HMMA 865

NOTES:

1. MUTES NOT ALLOWED
2. SURFACE CLOSER ONLY
3. STC LABEL APPLIED TO DOOR ONLY
4. WALL CONSTRUCTION NEEDS TO BE EQUAL OR GREATER STC VALUE AS DOOR/FRAME
5. THE FRAME MUST BE MORTAR FILLED TO ACHIEVE AN STC RATING OF 40 AND ABOVE
6. 1-3/4" THICK DOORS
7. FRAMES MUST BE SINGLE OR DOUBLE RABBET, CONTINUOUSLY WELDED. 16 OR 14 GA., STANDARD HOLLOW METAL FRAME
8. HINGES - 4-1/2" STANDARD OR HEAVYWEIGHT, 5" STANDARD OR HEAVYWEIGHT
9. ELECTRIC RACEWAYS ARE ALLOWED
10. ALL SEALS & THRESHOLDS INCLUDED
11. OTHER NON-TESTED ASSEMBLIES ARE AVAILABLE.
CONTACT FACTORY FOR DETAILS

OPTIONAL HARDWARE PREPARATIONS ARE: ELECTRICAL POWER TRANSFER (EPT), MAG SWITCH AND DEADBOLT

STC 47 (6) PANEL WITH CYLINDRICAL LOCK. ADDITIONAL OPTIONS NOT ALLOWED.

FIRE RATING:

45 MINUTE

OPENING SIZES:

- MINIMUM SIZE - 2'8" X 6'8" SINGLE (6 PANEL)
 MINIMUM SIZE - 2'8" X 6'8" SINGLE (2 PANEL)
 MAXIMUM SIZE - 3'0" X 7'0" SINGLE (6 PANEL)
 MAXIMUM SIZE - 3'0" X 8'0" SINGLE (2 PANEL)

FACE TYPES:

NO LITES ALLOWED

SEAL SET #6:

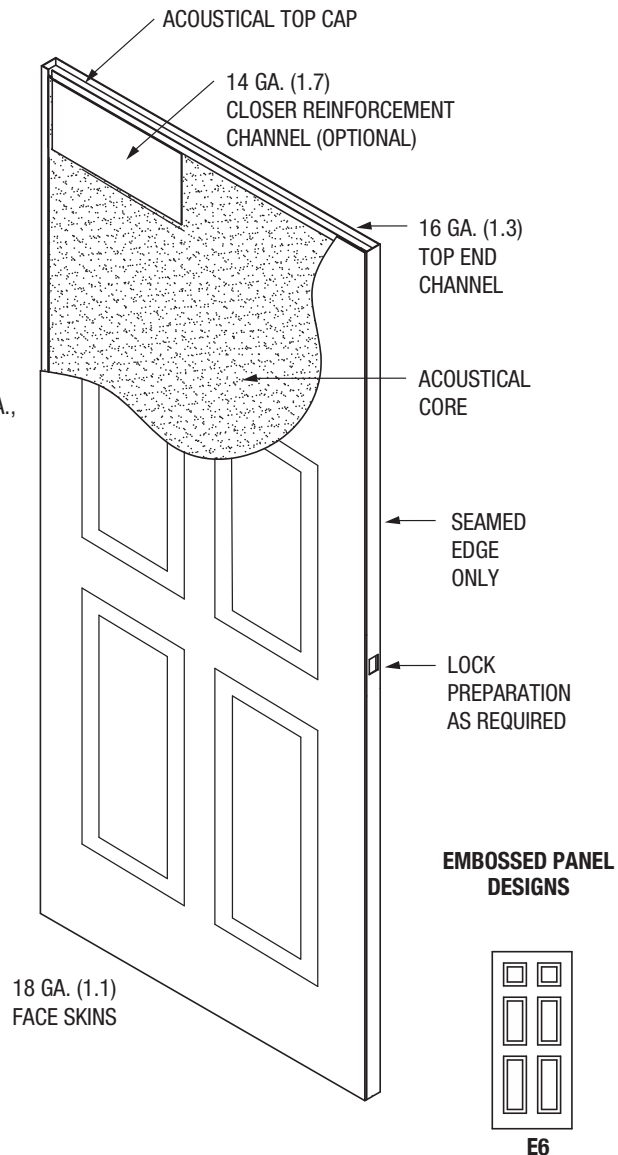
(MAY VARY DEPENDING ON FEATURES/REQUIREMENTS OF OPENINGS)

PERIMETER:

- PEMKO S44
 PEMKO S773
 PEMKO S88

BOTTOM:

- PEMKO S771 (2)
 PEMKO 2008 PK
 PEMKO ACP 112





STANDARDS COMPLIANCE:

ASTM E 90, ASTM E 1332, ASTM E2235, ASTM E413, SDI 128 AND HMMA 865

NOTES:

1. MUTES NOT ALLOWED
2. SURFACE CLOSER ONLY
3. STC LABEL APPLIED TO DOOR ONLY
4. WALL CONSTRUCTION NEEDS TO BE EQUAL OR GREATER STC VALUE AS DOOR/FRAME
5. THE FRAME MUST BE MORTAR FILLED TO ACHIEVE THE STC RATING
6. 1-3/4" THICK DOORS
7. FRAMES MUST BE SINGLE OR DOUBLE RABBET, CONTINUOUSLY WELDED. 16 OR 14 GA., STANDARD HOLLOW METAL FRAME
8. HINGES - 4-1/2" STANDARD OR HEAVYWEIGHT, 5" STANDARD OR HEAVYWEIGHT
9. ELECTRIC RACEWAYS ARE ALLOWED
10. ALL SEALS & THRESHOLDS INCLUDED
11. OTHER NON-TESTED ASSEMBLIES ARE AVAILABLE. CONTACT FACTORY FOR DETAILS

HARDWARE LIMITATIONS:

STC 47 CYLINDRICAL LOCK ONLY

FIRE RATING:

45 MINUTE

OPENING SIZES:

MINIMUM SIZE - 2'8" X 6'8" SINGLE (2 PANEL)
 MAXIMUM SIZE - 3'0" X 8'0" SINGLE (2 PANEL)

FACE TYPES:

NO LITES ALLOWED

SEAL SET #2:

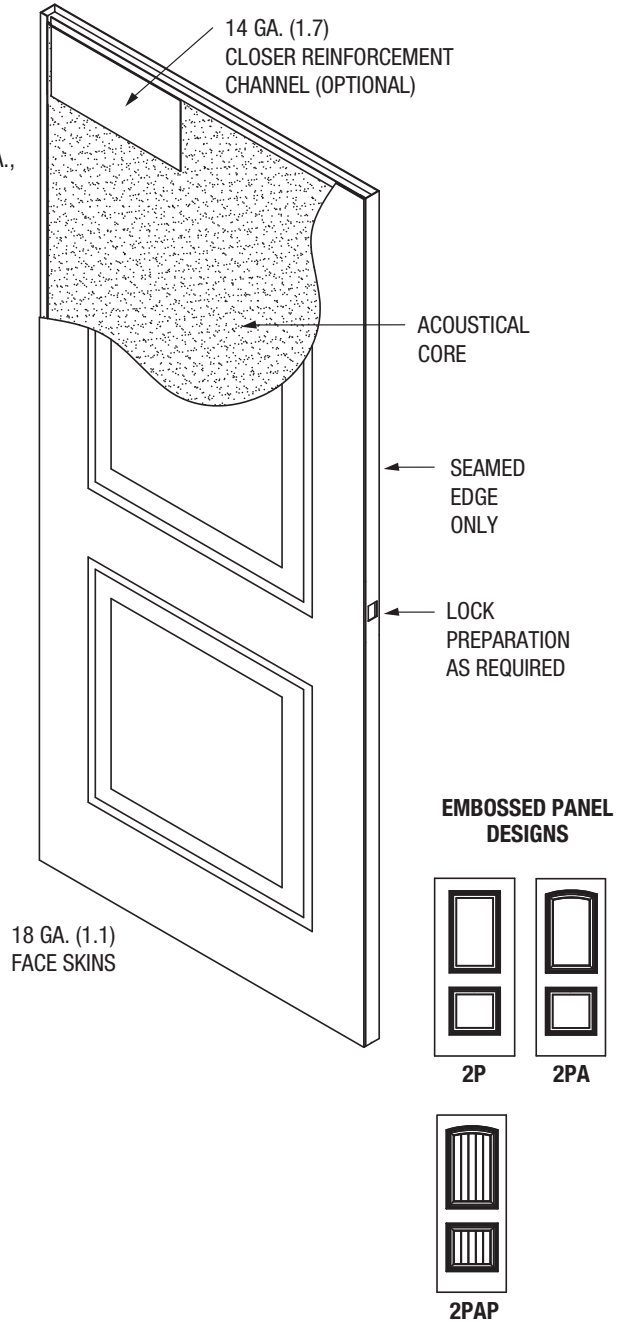
(MAY VARY DEPENDING ON FEATURES/REQUIREMENTS OF OPENINGS)

PERIMETER:

PEMKO S44
 PEMKO 312 CR

BOTTOM:

PEMKO 2008 PK





May, 2016



STANDARDS COMPLIANCE:

ASTM E 90, ASTM E 1332, ASTM E2235, ASTM E413, SDI 128 AND HMMA 865

NOTES:

1. MUTES NOT ALLOWED
2. SURFACE CLOSER ONLY
3. STC LABEL APPLIED TO DOOR ONLY
4. WALL CONSTRUCTION NEEDS TO BE EQUAL OR GREATER STC VALUE AS DOOR/FRAME
5. THE FRAME MUST BE MORAR ILLED TO ACHIEVE THE STC RATING
6. 1-3/4" THICK DOORS
7. FRAMES MUST BE SINGLE OR DOUBLE RABBET, CONTINUOUSLY WELDED. 16 OR 14 GA., STANDARD HOLLOW METAL FRAME
8. HINGES - 4-1/2" STANDARD OR HEAVYWEIGHT, 5" STANDARD OR HEAVYWEIGHT
9. ELECTRIC RACEWAYS ARE ALLOWED
10. ALL SEALS & THRESHOLDS INCLUDED
11. OTHER NON-TESTED ASSEMBLIES ARE AVAILABLE.
CONTACT FACTORY FOR DETAILS

HARDWARE LIMITATIONS:

STC 48 CYLINDRICAL LOCK ONLY

FIRE RATING:

45 MINUTE

OPENING SIZES:

MINIMUM SIZE - 2'8" X 6'8" SINGLE (2 PANEL)
 MAXIMUM SIZE - 3'0" X 8'0" SINGLE (2 PANEL)

FACE TYPES:

NO LITES ALLOWED

SEAL SET #2:

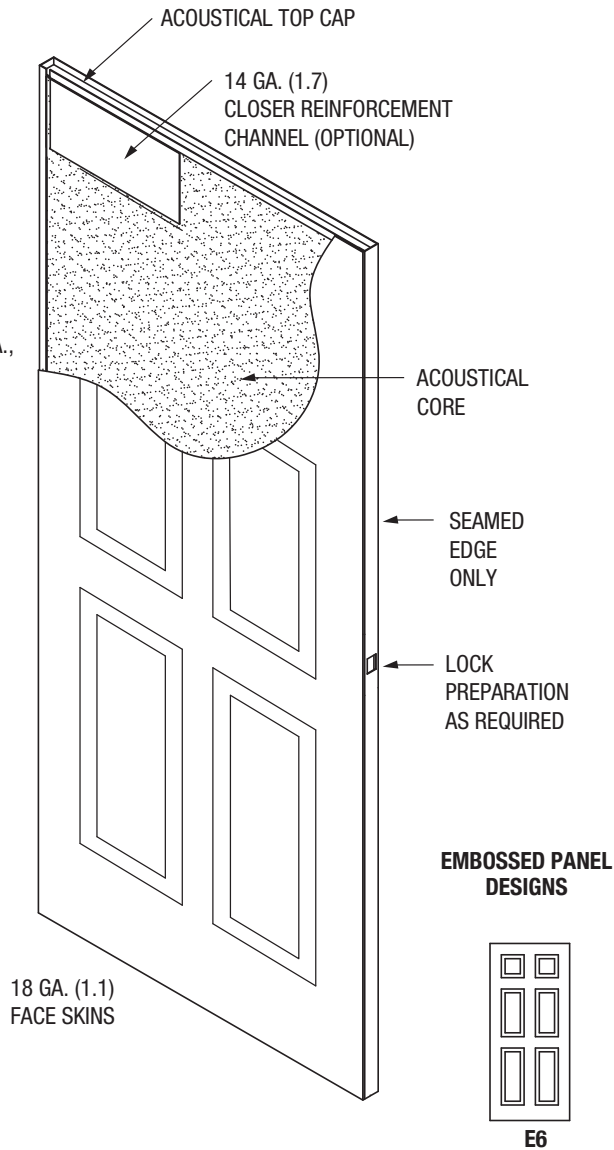
(MAY VARY DEPENDING ON FEATURES/REQUIREMENTS OF OPENINGS)

PERIMETER:

PEMKO S44
 PEMKO 312 CR

BOTTOM:

PEMKO 2008 PK





STANDARDS COMPLIANCE:

ASTM E 90, ASTM E 1332, ASTM E2235, ASTM E413, SDI 128
AND HMMA 865

NOTES:

1. MUTES NOT ALLOWED
2. SURFACE CLOSER ONLY
3. STC LABEL APPLIED TO DOOR ONLY
4. WALL CONSTRUCTION NEEDS TO BE EQUAL OR GREATER
STC VALUE AS DOOR/FRAME
5. THE FRAME MUST BE MORTAR FILLED TO ACHIEVE AN STC RATING
OF 40 AND ABOVE
6. 1-3/4" THICK DOORS
7. FRAMES MUST BE SINGLE OR DOUBLE RABBET,
CONTINUOUSLY WELDED. 16 OR 14 GAUGE, STANDARD
HOLLOW METAL FRAME
8. HINGES - 4-1/2" STANDARD OR HEAVYWEIGHT,
5" STANDARD OR HEAVYWEIGHT
9. ELECTRIC RACEWAYS ARE ALLOWED
10. ALL SEALS & THRESHOLDS INCLUDED
11. OTHER NON-TESTED ASSEMBLIES ARE AVAILABLE.
CONTACT FACTORY FOR DETAILS

HARDWARE LIMITATIONS WITH FIRE RATINGS:

OPTIONAL LOCK PREPARATIONS WITH: UP TO AND INCLUDING 100 IN² OF 5/16" PYRAN PLATINUM GLASS

STC 32 WITH CYLINDRICAL, MORTISE OR RIM PANIC AND MAY
INCLUDE UP TO AND INCLUDING A 3 HOUR FIRE RATING.

OPTIONAL LOCK PREPARATIONS WITH: UP TO AND INCLUDING 288 IN² OF 5/16" PYRAN GLASS

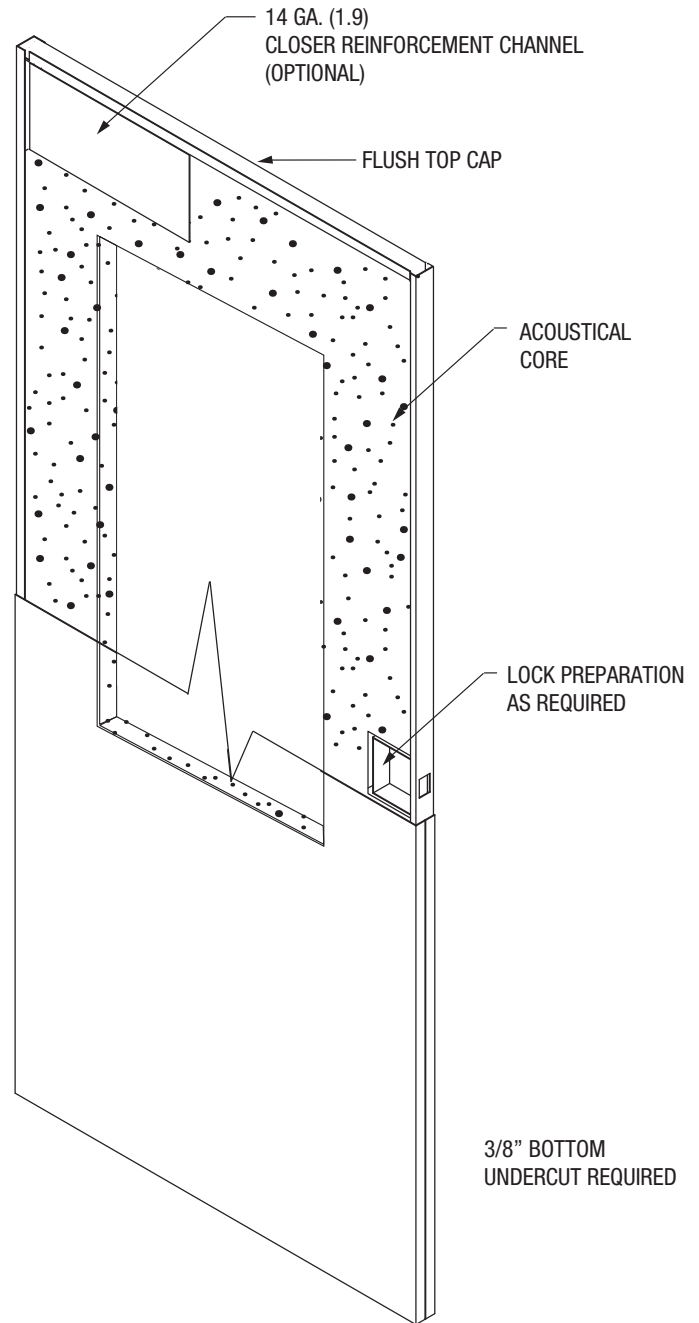
STC 32 WITH CYLINDRICAL, MORTISE OR RIM PANIC AND MAY
INCLUDE UP TO AND INCLUDING A 1-1/2 HOUR FIRE RATING.

OPTIONAL LOCK PREPARATIONS WITH: UP TO AND INCLUDING 720 IN² OF 5/16" PYRAN PLATINUM GLASS

STC 32 WITH CYLINDRICAL, MORTISE OR RIM PANIC AND MAY
INCLUDE UP TO AND INCLUDING A 1-1/2 HOUR FIRE RATING.

OPENING SIZES:

MINIMUM SIZE - 2'0" X 6'8" SINGLE
MAXIMUM SIZE - 4'0" X 8'0" SINGLE



SEAL SET #6:

(MAY VARY DEPENDING ON FEATURES/REQUIREMENTS OF OPENINGS)

PERIMETER:
PEMKO S44
PEMKO S88
PEMKO S773

BOTTOM:
PEMKO S771 (2)
PEMKO 2008 PK
PEMKO ACP 112

May, 2016

**STANDARDS COMPLIANCE:**

ASTM E 90, ASTM E 1332, ASTM E2235, ASTM E413, SDI 128
AND HMMMA 865

NOTES:

1. MUTES NOT ALLOWED
2. SURFACE CLOSER ONLY
3. STC LABEL APPLIED TO DOOR ONLY
4. WALL CONSTRUCTION NEEDS TO BE EQUAL OR GREATER STC VALUE AS DOOR/FRAME
5. THE FRAME MUST BE MORTAR FILLED TO ACHIEVE AN STC RATING OF 40 AND ABOVE
6. 1-3/4" THICK DOORS
7. FRAMES MUST BE SINGLE OR DOUBLE RABBET, CONTINUOUSLY WELDED. 16 OR 14 GAUGE, STANDARD HOLLOW METAL FRAME
8. HINGES - 4-1/2" STANDARD OR HEAVYWEIGHT, 5" STANDARD OR HEAVYWEIGHT
9. ELECTRIC RACEWAYS ARE ALLOWED
10. ALL SEALS & THRESHOLDS INCLUDED
11. OTHER NON-TESTED ASSEMBLIES ARE AVAILABLE. CONTACT FACTORY FOR DETAILS

HARDWARE LIMITATIONS WITH FIRE RATINGS:**OPTIONAL LOCK PREPARATIONS WITH: UP TO AND INCLUDING 100 IN² OF 5/16" PYRAN PLATINUM GLASS**

STC 33 WITH CYLINDRICAL, MORTISE OR RIM PANIC AND MAY INCLUDE UP TO AND INCLUDING A 3 HOUR FIRE RATING.

OPTIONAL LOCK PREPARATIONS WITH: UP TO AND INCLUDING 288 IN² OF 5/16" PYRAN GLASS

STC 33 WITH CYLINDRICAL, MORTISE OR RIM PANIC AND MAY INCLUDE UP TO AND INCLUDING A 1-1/2 HOUR FIRE RATING.

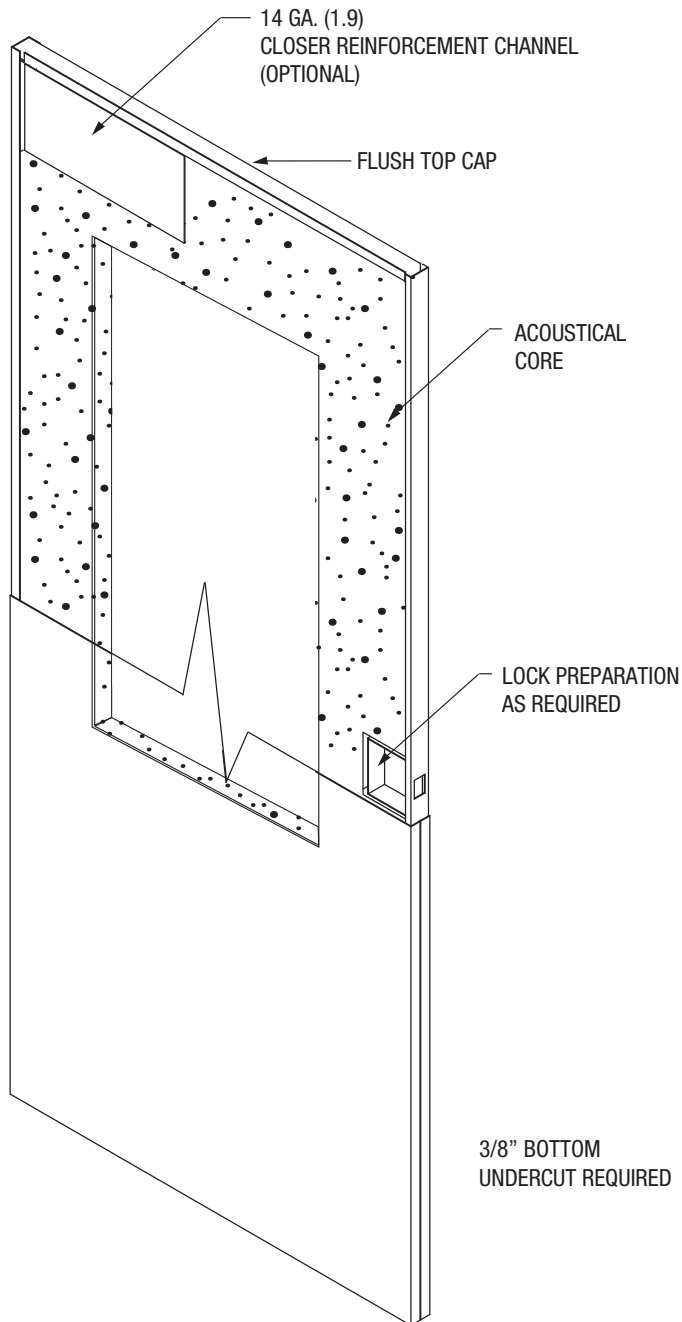
OPTIONAL LOCK PREPARATIONS WITH: UP TO AND INCLUDING 720 IN² OF 5/16" PYRAN PLATINUM GLASS

STC 33 WITH CYLINDRICAL, MORTISE OR RIM PANIC AND MAY INCLUDE UP TO AND INCLUDING A 1-1/2 HOUR FIRE RATING.

OPENING SIZES:

MINIMUM SIZE - 2'0" X 6'8" SINGLE

MAXIMUM SIZE - 4'0" X 8'0" SINGLE

**SEAL SET #6:**

(MAY VARY DEPENDING ON FEATURES/REQUIREMENTS OF OPENINGS)

PERIMETER:

PEMKO S44

PEMKO S88

PEMKO S773

BOTTOM:

PEMKO S771 (2)

PEMKO 2008 PK

PEMKO ACP 112

**STANDARDS COMPLIANCE:**

ASTM E 90, ASTM E 1332, ASTM E2235, ASTM E413, SDI 128
AND HMMA 865

NOTES:

1. MUTES NOT ALLOWED
2. SURFACE CLOSER ONLY
3. STC LABEL APPLIED TO DOOR ONLY
4. WALL CONSTRUCTION NEEDS TO BE EQUAL OR GREATER STC VALUE AS DOOR/FRAME
5. THE FRAME MUST BE MORTAR FILLED TO ACHIEVE AN STC RATING OF 40 AND ABOVE
6. 1-3/4" THICK DOORS
7. FRAMES MUST BE SINGLE OR DOUBLE RABBET, CONTINUOUSLY WELDED. 16 OR 14 GAUGE, STANDARD HOLLOW METAL FRAME
8. HINGES - 4-1/2" STANDARD OR HEAVYWEIGHT, 5" STANDARD OR HEAVYWEIGHT
9. ELECTRIC RACEWAYS ARE ALLOWED
10. ALL SEALS & THRESHOLDS INCLUDED
11. OTHER NON-TESTED ASSEMBLIES ARE AVAILABLE. CONTACT FACTORY FOR DETAILS

HARDWARE LIMITATIONS WITH FIRE RATINGS:**OPTIONAL LOCK PREPARATIONS WITH: UP TO AND INCLUDING 100 IN² OF 5/16" PYRAN PLATINUM GLASS**

STC 34 WITH CYLINDRICAL, MORTISE OR RIM PANIC AND MAY INCLUDE UP TO AND INCLUDING A 3 HOUR FIRE RATING.

OPTIONAL LOCK PREPARATIONS WITH: UP TO AND INCLUDING 288 IN² OF 5/16" PYRAN GLASS

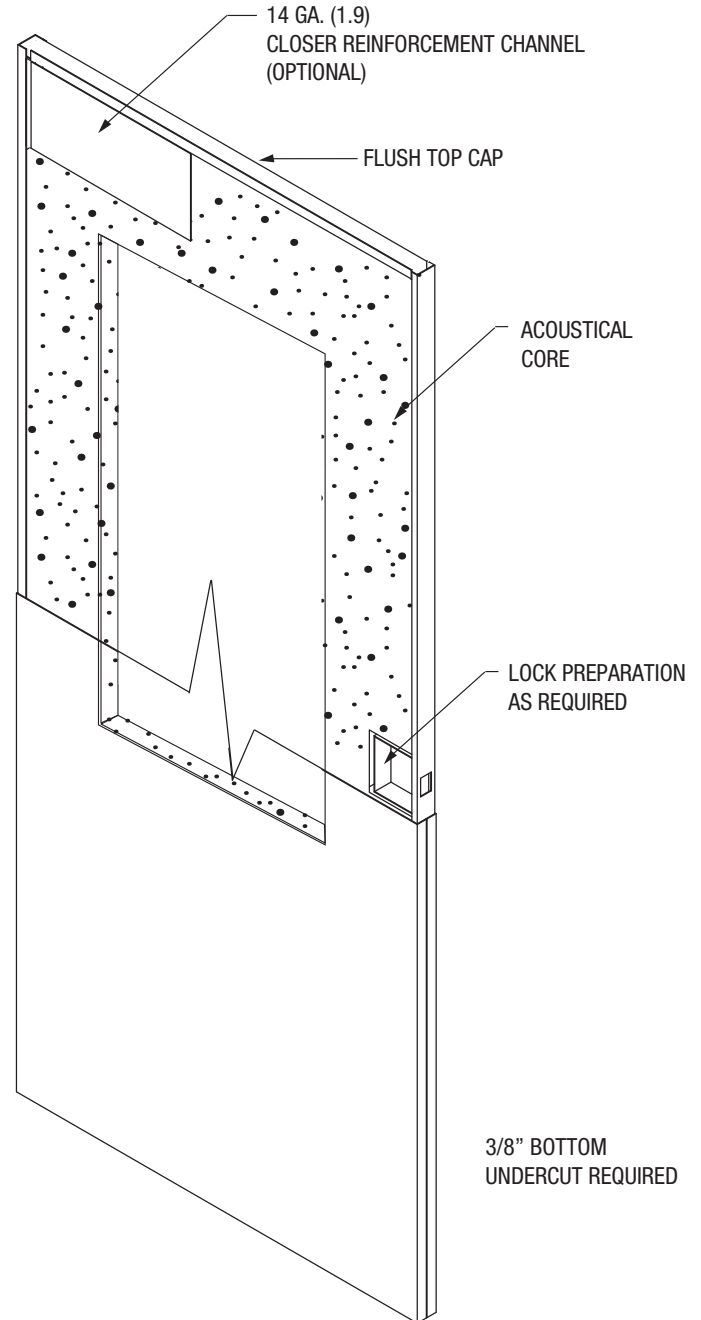
STC 34 WITH CYLINDRICAL, MORTISE OR RIM PANIC AND MAY INCLUDE UP TO AND INCLUDING A 1-1/2 HOUR FIRE RATING.

OPTIONAL LOCK PREPARATIONS WITH: UP TO AND INCLUDING 720 IN² OF 5/16" PYRAN PLATINUM GLASS

STC 34 WITH CYLINDRICAL, MORTISE OR RIM PANIC AND MAY INCLUDE UP TO AND INCLUDING A 1-1/2 HOUR FIRE RATING.

OPENING SIZES:

MINIMUM SIZE - 2'0" X 6'8" SINGLE
MAXIMUM SIZE - 4'0" X 8'0" SINGLE

**SEAL SET #6:**

(MAY VARY DEPENDING ON FEATURES/REQUIREMENTS OF OPENINGS)

PERIMETER:

PEMKO S44
PEMKO S88
PEMKO S773

BOTTOM:

PEMKO S771 (2)
PEMKO 2008 PK
PEMKO ACP 112

May, 2016

**STANDARDS COMPLIANCE:**

ASTM E 90, ASTM E 1332, ASTM E2235, ASTM E413, SDI 128
AND HMTA 865

NOTES:

1. MUTES NOT ALLOWED
2. SURFACE CLOSER ONLY
3. STC LABEL APPLIED TO DOOR ONLY
4. WALL CONSTRUCTION NEEDS TO BE EQUAL OR GREATER
STC VALUE AS DOOR/FRAME
5. THE FRAME MUST BE MORTAR FILLED TO ACHIEVE AN STC RATING
OF 40 AND ABOVE
6. 1-3/4" THICK DOORS
7. FRAMES MUST BE SINGLE OR DOUBLE RABBET,
CONTINUOUSLY WELDED. 16 OR 14 GAUGE, STANDARD
HOLLOW METAL FRAME
8. HINGES - 4-1/2" STANDARD OR HEAVYWEIGHT,
5" STANDARD OR HEAVYWEIGHT
9. ELECTRIC RACEWAYS ARE ALLOWED
10. ALL SEALS & THRESHOLDS INCLUDED
11. OTHER NON-TESTED ASSEMBLIES ARE AVAILABLE.
CONTACT FACTORY FOR DETAILS

HARDWARE LIMITATIONS WITH FIRE RATINGS:**OPTIONAL LOCK PREPARATIONS WITH: UP TO AND INCLUDING 100 IN²
OF 5/16" PYRAN PLATINUM GLASS**

STC 35 WITH CYLINDRICAL, MORTISE OR RIM PANIC AND MAY
INCLUDE UP TO AND INCLUDING A 3 HOUR FIRE RATING.

**OPTIONAL LOCK PREPARATIONS WITH: UP TO AND INCLUDING 288 IN²
OF 5/16" PYRAN GLASS**

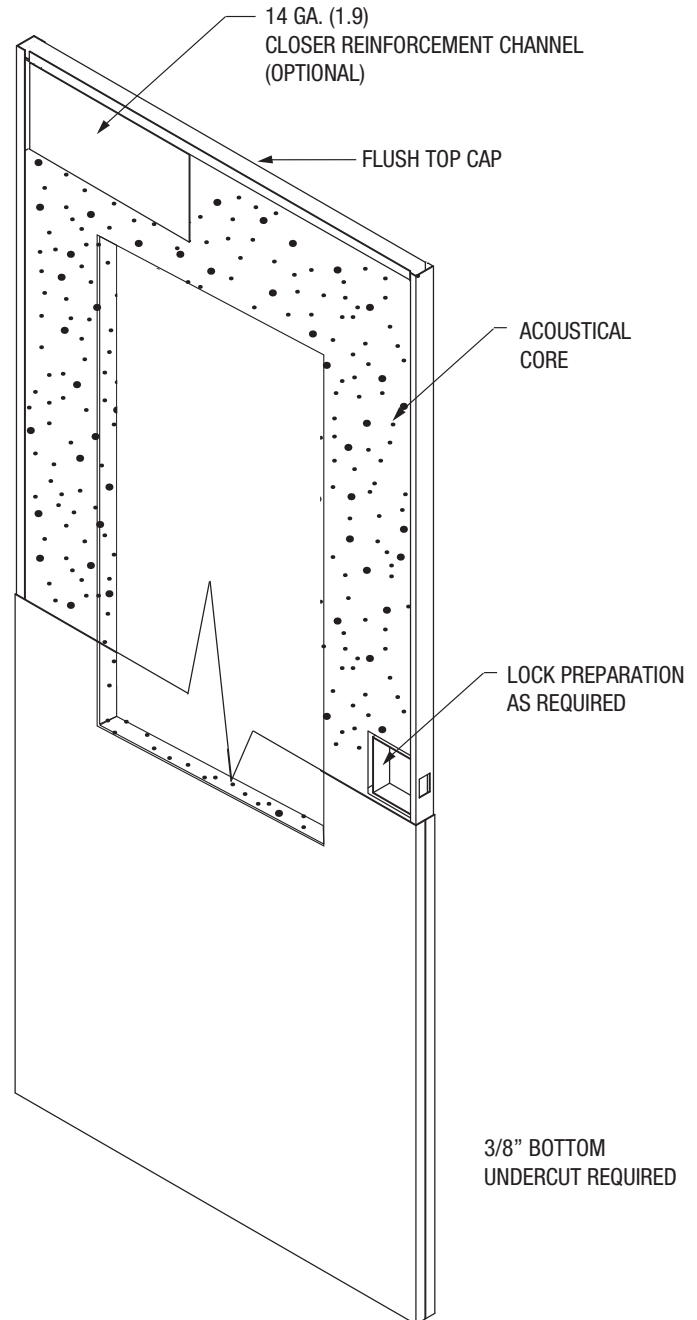
STC 35 WITH CYLINDRICAL, MORTISE OR RIM PANIC AND MAY
INCLUDE UP TO AND INCLUDING A 1-1/2 HOUR FIRE RATING.

**OPTIONAL LOCK PREPARATIONS WITH: UP TO AND INCLUDING 720 IN²
OF 5/16" PYRAN PLATINUM GLASS**

STC 35 WITH CYLINDRICAL, MORTISE OR RIM PANIC AND MAY
INCLUDE UP TO AND INCLUDING A 1-1/2 HOUR FIRE RATING.

OPENING SIZES:

MINIMUM SIZE - 2'0" X 6'8" SINGLE
MAXIMUM SIZE - 4'0" X 8'0" SINGLE

**SEAL SET #6:**

(MAY VARY DEPENDING ON FEATURES/REQUIREMENTS OF OPENINGS)

PERIMETER:

PEMKO S44

PEMKO S88

PEMKO S773

BOTTOM:

PEMKO S771 (2)

PEMKO 2008 PK

PEMKO ACP 112

**STANDARDS COMPLIANCE:**

ASTM E 90, ASTM E 1332, ASTM E2235, ASTM E413, SDI 128
AND HMMMA 865

NOTES:

1. MUTES NOT ALLOWED
2. SURFACE CLOSER ONLY
3. STC LABEL APPLIED TO DOOR ONLY
4. WALL CONSTRUCTION NEEDS TO BE EQUAL OR GREATER
STC VALUE AS DOOR/FRAME
5. THE FRAME MUST BE MORTAR FILLED TO ACHIEVE AN STC RATING
OF 40 AND ABOVE
6. 1-3/4" THICK DOORS
7. FRAMES MUST BE SINGLE OR DOUBLE RABBET,
CONTINUOUSLY WELDED. 16 OR 14 GAUGE, STANDARD
HOLLOW METAL FRAME
8. HINGES - 4-1/2" STANDARD OR HEAVYWEIGHT,
5" STANDARD OR HEAVYWEIGHT
9. ELECTRIC RACEWAYS ARE ALLOWED
10. ALL SEALS & THRESHOLDS INCLUDED
11. OTHER NON-TESTED ASSEMBLIES ARE AVAILABLE.
CONTACT FACTORY FOR DETAILS

HARDWARE LIMITATIONS WITH FIRE RATINGS:**OPTIONAL LOCK PREPARATIONS WITH: UP TO AND INCLUDING 100 IN²
OF 5/16" PYRAN PLATINUM GLASS**

STC 36 WITH CYLINDRICAL, MORTISE OR RIM PANIC AND MAY
INCLUDE UP TO AND INCLUDING A 3 HOUR FIRE RATING.

**OPTIONAL LOCK PREPARATIONS WITH: UP TO AND INCLUDING 288 IN²
OF 5/16" PYRAN GLASS**

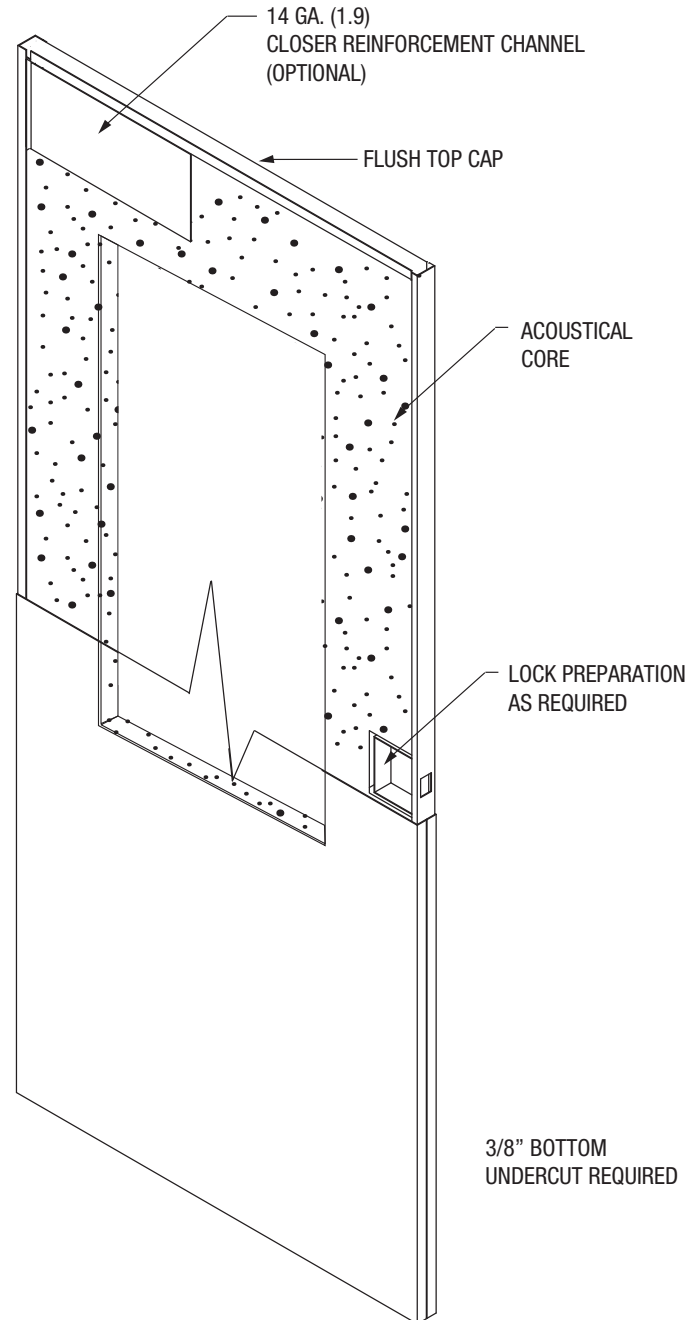
STC 36 WITH CYLINDRICAL, MORTISE OR RIM PANIC AND MAY
INCLUDE UP TO AND INCLUDING A 1-1/2 HOUR FIRE RATING.

**OPTIONAL LOCK PREPARATIONS WITH: UP TO AND INCLUDING 720 IN²
OF 5/16" PYRAN PLATINUM GLASS**

STC 36 WITH CYLINDRICAL, MORTISE OR RIM PANIC AND MAY
INCLUDE UP TO AND INCLUDING A 1-1/2 HOUR FIRE RATING.

OPENING SIZES:

MINIMUM SIZE - 2'0" X 6'8" SINGLE
MAXIMUM SIZE - 4'0" X 8'0" SINGLE

**SEAL SET #6:**

(MAY VARY DEPENDING ON FEATURES/REQUIREMENTS OF OPENINGS)

PERIMETER:
PEMKO S44
PEMKO S88
PEMKO S773

BOTTOM:
PEMKO S771 (2)
PEMKO 2008 PK
PEMKO ACP 112

May, 2016

**STANDARDS COMPLIANCE:**

ASTM E 90, ASTM E 1332, ASTM E2235, ASTM E413, SDI 128 AND HMMA 865

NOTES:

1. MUTES NOT ALLOWED
2. SURFACE CLOSER ONLY
3. STC LABEL APPLIED TO DOOR ONLY
4. WALL CONSTRUCTION NEEDS TO BE EQUAL OR GREATER STC VALUE AS DOOR/FRAME
5. THE FRAME MUST BE MORTAR FILLED TO ACHIEVE AN STC RATING OF 40 AND ABOVE
6. 1-3/4" THICK DOORS
7. FRAMES MUST BE SINGLE OR DOUBLE RABBET, CONTINUOUSLY WELDED. 16 OR 14 GAUGE, STANDARD HOLLOW METAL FRAME
8. HINGES - 4-1/2" STANDARD OR HEAVYWEIGHT, 5" STANDARD OR HEAVYWEIGHT
9. ELECTRIC RACEWAYS ARE ALLOWED
10. ALL SEALS & THRESHOLDS INCLUDED
11. OTHER NON-TESTED ASSEMBLIES ARE AVAILABLE. CONTACT FACTORY FOR DETAILS

HARDWARE LIMITATIONS WITH FIRE RATINGS:**OPTIONAL LOCK PREPARATIONS WITH: UP TO AND INCLUDING 100 IN² OF 5/16" PYRAN PLATINUM GLASS**

STC 37 WITH CYLINDRICAL, MORTISE OR RIM PANIC AND MAY INCLUDE UP TO AND INCLUDING A 3 HOUR FIRE RATING.

OPTIONAL LOCK PREPARATIONS WITH: UP TO AND INCLUDING 288 IN² OF 5/16" PYRAN GLASS

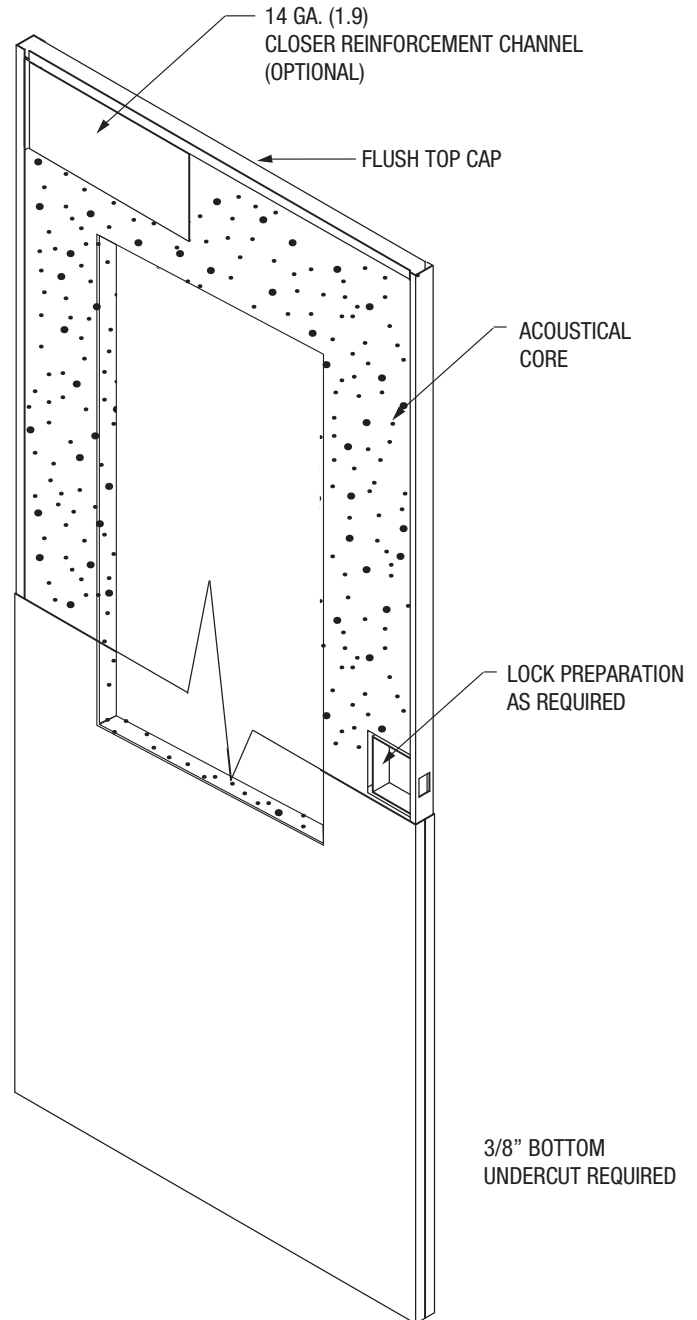
STC 37 WITH CYLINDRICAL, MORTISE OR RIM PANIC AND MAY INCLUDE UP TO AND INCLUDING A 1-1/2 HOUR FIRE RATING.

OPTIONAL LOCK PREPARATIONS WITH: UP TO AND INCLUDING 720 IN² OF 5/16" PYRAN PLATINUM GLASS

STC 37 WITH CYLINDRICAL, MORTISE OR RIM PANIC AND MAY INCLUDE UP TO AND INCLUDING A 1-1/2 HOUR FIRE RATING.

OPENING SIZES:

MINIMUM SIZE - 2'0" X 6'8" SINGLE
 MAXIMUM SIZE - 4'0" X 8'0" SINGLE

**SEAL SET #6:**

(MAY VARY DEPENDING ON FEATURES/REQUIREMENTS OF OPENINGS)

PERIMETER:

PEMCO S44
 PEMCO S88
 PEMCO S773

BOTTOM:

PEMCO S771 (2)
 PEMCO 2008 PK
 PEMCO ACP 112



STANDARDS COMPLIANCE:

ASTM E 90, ASTM E 1332, ASTM E2235, ASTM E413, SDI 128 AND HMMA 865

NOTES:

1. MUTES NOT ALLOWED
2. SURFACE CLOSER ONLY
3. STC LABEL APPLIED TO DOOR ONLY
4. WALL CONSTRUCTION NEEDS TO BE EQUAL OR GREATER STC VALUE AS DOOR/FRAME
5. THE FRAME MUST BE MORTAR FILLED TO ACHIEVE AN STC RATING OF 40 AND ABOVE
6. 1-3/4" THICK DOORS
7. FRAMES MUST BE SINGLE OR DOUBLE RABBET, CONTINUOUSLY WELDED. 16 OR 14 GAUGE, STANDARD HOLLOW METAL FRAME
8. HINGES - 4-1/2" STANDARD OR HEAVYWEIGHT, 5" STANDARD OR HEAVYWEIGHT
9. ELECTRIC RACEWAYS ARE ALLOWED
10. ALL SEALS & THRESHOLDS INCLUDED
11. OTHER NON-TESTED ASSEMBLIES ARE AVAILABLE. CONTACT FACTORY FOR DETAILS

HARDWARE LIMITATIONS WITH FIRE RATINGS:

OPTIONAL LOCK PREPARATIONS WITH: UP TO AND INCLUDING 100 IN² OF 5/16" PYRAN PLATINUM GLASS

STC 38 WITH CYLINDRICAL, MORTISE OR RIM PANIC AND MAY INCLUDE UP TO AND INCLUDING A 3 HOUR FIRE RATING.

OPTIONAL LOCK PREPARATIONS WITH: UP TO AND INCLUDING 288 IN² OF 5/16" PYRAN GLASS

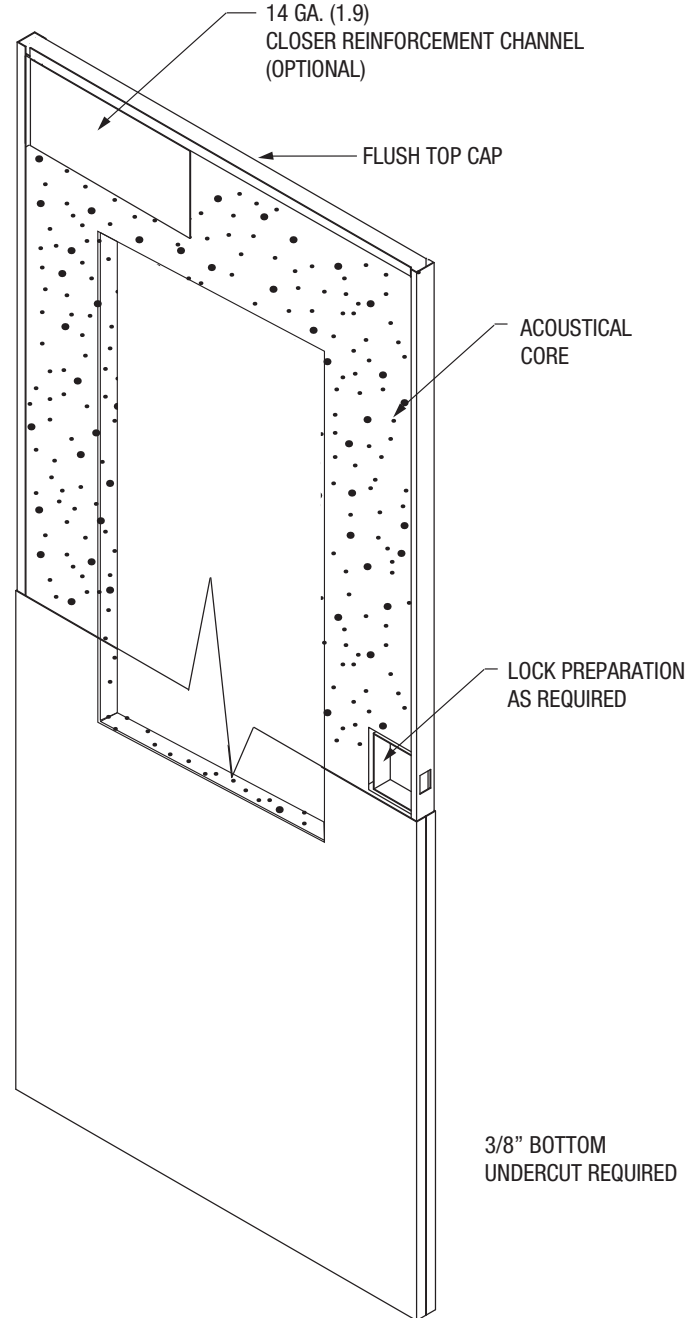
STC 38 WITH CYLINDRICAL, MORTISE OR RIM PANIC AND MAY INCLUDE UP TO AND INCLUDING A 1-1/2 HOUR FIRE RATING.

OPTIONAL LOCK PREPARATIONS WITH: UP TO AND INCLUDING 720 IN² OF 5/16" PYRAN PLATINUM GLASS

STC 38 WITH CYLINDRICAL, MORTISE OR RIM PANIC AND MAY INCLUDE UP TO AND INCLUDING A 1-1/2 HOUR FIRE RATING.

OPENING SIZES:

MINIMUM SIZE - 2'0" X 6'8" SINGLE
MAXIMUM SIZE - 4'0" X 8'0" SINGLE



SEAL SET #6:

(MAY VARY DEPENDING ON FEATURES/REQUIREMENTS OF OPENINGS)

PERIMETER:

PEMKO S44
PEMKO S88
PEMKO S773

BOTTOM:

PEMKO S771 (2)
PEMKO 2008 PK
PEMKO ACP 112

May, 2016

**STANDARDS COMPLIANCE:**

ASTM E 90, ASTM E 1332, ASTM E2235, ASTM E413, SDI 128
AND HMMA 865

NOTES:

1. MUTES NOT ALLOWED
2. SURFACE CLOSER ONLY
3. STC LABEL APPLIED TO DOOR ONLY
4. WALL CONSTRUCTION NEEDS TO BE EQUAL OR GREATER STC VALUE AS DOOR/FRAME
5. THE FRAME MUST BE MORTAR FILLED TO ACHIEVE AN STC RATING OF 40 AND ABOVE
6. 1-3/4" THICK DOORS
7. FRAMES MUST BE SINGLE OR DOUBLE RABBET, CONTINUOUSLY WELDED. 16 OR 14 GAUGE, STANDARD HOLLOW METAL FRAME
8. HINGES - 4-1/2" STANDARD OR HEAVYWEIGHT, 5" STANDARD OR HEAVYWEIGHT
9. ELECTRIC RACEWAYS ARE ALLOWED
10. ALL SEALS & THRESHOLDS INCLUDED
11. OTHER NON-TESTED ASSEMBLIES ARE AVAILABLE. CONTACT FACTORY FOR DETAILS

HARDWARE LIMITATIONS WITH FIRE RATINGS:**OPTIONAL LOCK PREPARATIONS WITH: UP TO AND INCLUDING 100 IN² OF 5/16" PYRAN PLATINUM GLASS**

STC 39 WITH CYLINDRICAL, MORTISE OR RIM PANIC AND MAY INCLUDE UP TO AND INCLUDING A 3 HOUR FIRE RATING.

OPTIONAL LOCK PREPARATIONS WITH: UP TO AND INCLUDING 288 IN² OF 5/16" PYRAN GLASS

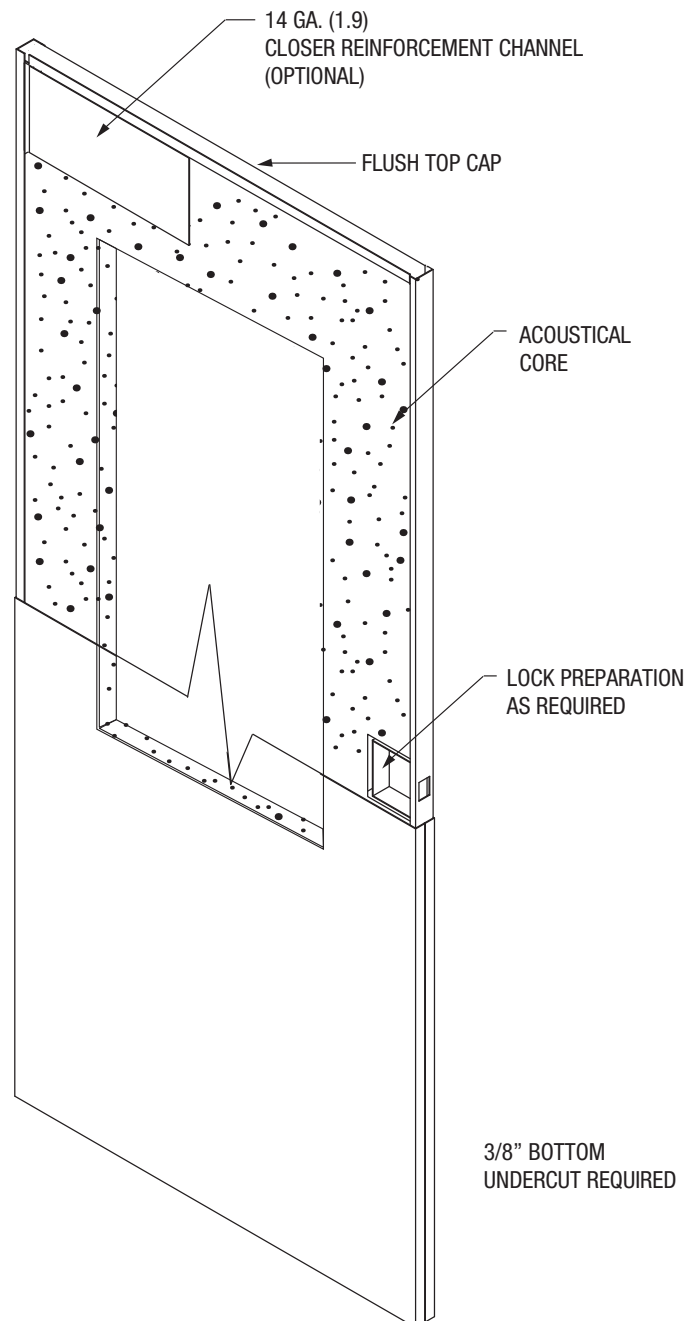
STC 39 WITH CYLINDRICAL, MORTISE OR RIM PANIC AND MAY INCLUDE UP TO AND INCLUDING A 1-1/2 HOUR FIRE RATING.

OPTIONAL LOCK PREPARATIONS WITH: UP TO AND INCLUDING 720 IN² OF 5/16" PYRAN PLATINUM GLASS

STC 39 WITH CYLINDRICAL, MORTISE OR RIM PANIC AND MAY INCLUDE UP TO AND INCLUDING A 1-1/2 HOUR FIRE RATING.

OPENING SIZES:

MINIMUM SIZE - 2'0" X 6'8" SINGLE
MAXIMUM SIZE - 4'0" X 8'0" SINGLE

**SEAL SET #6:**

(MAY VARY DEPENDING ON FEATURES/REQUIREMENTS OF OPENINGS)

PERIMETER:

PEMKO S44
PEMKO S88
PEMKO S773

BOTTOM:

PEMKO S771 (2)
PEMKO 2008 PK
PEMKO ACP 112

**STANDARDS COMPLIANCE:**

ASTM E 90, ASTM E 1332, ASTM E2235, ASTM E413, SDI 128 AND HMMMA 865

NOTES:

1. MUTES NOT ALLOWED
2. SURFACE CLOSER ONLY
3. STC LABEL APPLIED TO DOOR ONLY
4. WALL CONSTRUCTION NEEDS TO BE EQUAL OR GREATER STC VALUE AS DOOR/FRAME
5. THE FRAME MUST BE MORTAR FILLED TO ACHIEVE AN STC RATING OF 40 AND ABOVE
6. 1-3/4" THICK DOORS
7. FRAMES MUST BE SINGLE OR DOUBLE RABBET, CONTINUOUSLY WELDED. 16 OR 14 GAUGE, STANDARD HOLLOW METAL FRAME
8. HINGES - 4-1/2" STANDARD OR HEAVYWEIGHT, 5" STANDARD OR HEAVYWEIGHT
9. ELECTRIC RACEWAYS ARE ALLOWED
10. ALL SEALS & THRESHOLDS INCLUDED
11. OTHER NON-TESTED ASSEMBLIES ARE AVAILABLE. CONTACT FACTORY FOR DETAILS

HARDWARE LIMITATIONS WITH FIRE RATINGS:**OPTIONAL LOCK PREPARATIONS WITH: UP TO AND INCLUDING 100 IN² OF 5/16" PYRAN PLATINUM GLASS**

STC 40 WITH CYLINDRICAL, MORTISE OR RIM PANIC AND MAY INCLUDE UP TO AND INCLUDING A 3 HOUR FIRE RATING.

OPTIONAL LOCK PREPARATIONS WITH: UP TO AND INCLUDING 288 IN² OF 5/16" PYRAN GLASS

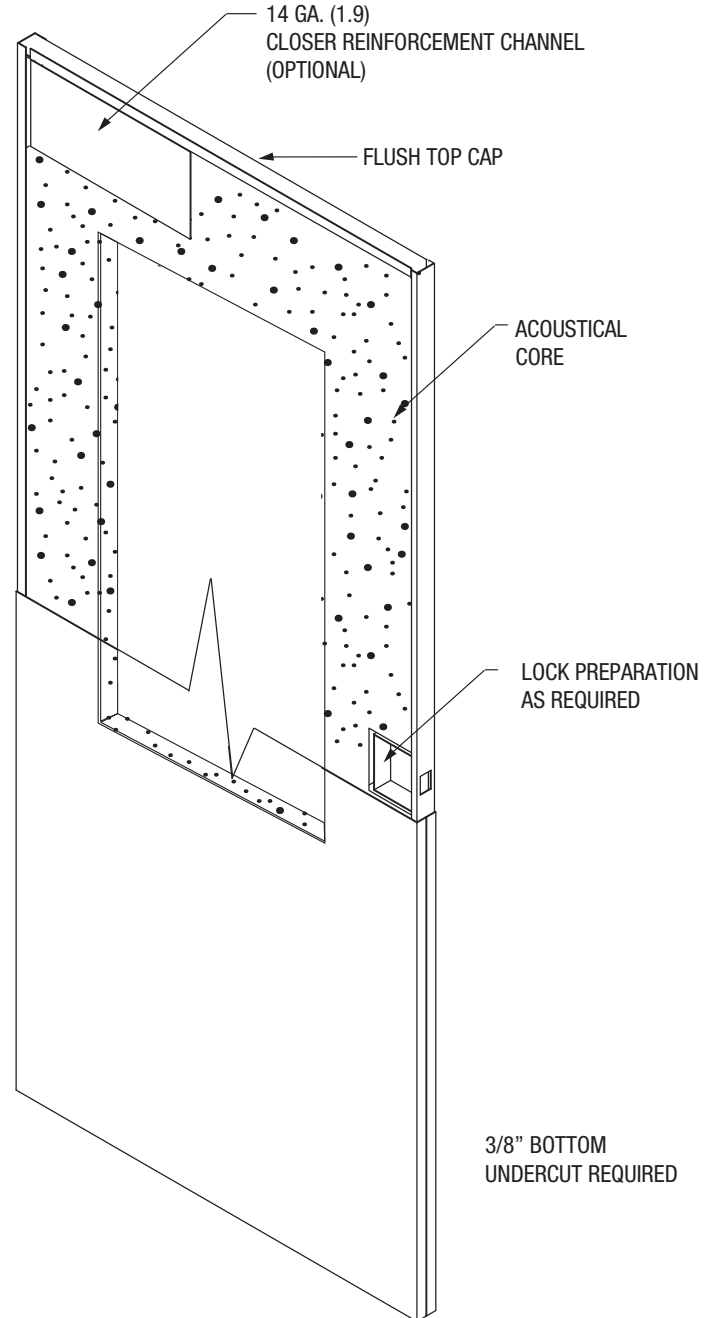
STC 40 WITH CYLINDRICAL, MORTISE OR RIM PANIC AND MAY INCLUDE UP TO AND INCLUDING A 1-1/2 HOUR FIRE RATING.

OPTIONAL LOCK PREPARATIONS WITH: UP TO AND INCLUDING 720 IN² OF 5/16" PYRAN PLATINUM GLASS

STC 40 WITH CYLINDRICAL OR MORTISE AND MAY INCLUDE UP TO AND INCLUDING A 1-1/2 HOUR FIRE RATING.

OPENING SIZES:

MINIMUM SIZE - 2'0" X 6'8" SINGLE
 MAXIMUM SIZE - 4'0" X 8'0" SINGLE

**SEAL SET #6:**

(MAY VARY DEPENDING ON FEATURES/REQUIREMENTS OF OPENINGS)

PERIMETER:
 PEMKO S44
 PEMKO S88
 PEMKO S773

BOTTOM:
 PEMKO S771 (2)
 PEMKO 2008 PK
 PEMKO ACP 112

May, 2016

**STANDARDS COMPLIANCE:**

ASTM E 90, ASTM E 1332, ASTM E2235, ASTM E413, SDI 128
AND HMMA 865

NOTES:

1. MUTES NOT ALLOWED
2. SURFACE CLOSER ONLY
3. STC LABEL APPLIED TO DOOR ONLY
4. WALL CONSTRUCTION NEEDS TO BE EQUAL OR GREATER STC VALUE AS DOOR/FRAME
5. THE FRAME MUST BE MORTAR FILLED TO ACHIEVE AN STC RATING OF 40 AND ABOVE
6. 1-3/4" THICK DOORS
7. FRAMES MUST BE SINGLE OR DOUBLE RABBET, CONTINUOUSLY WELDED. 16 OR 14 GAUGE, STANDARD HOLLOW METAL FRAME
8. HINGES - 4-1/2" STANDARD OR HEAVYWEIGHT, 5" STANDARD OR HEAVYWEIGHT
9. ELECTRIC RACEWAYS ARE ALLOWED
10. ALL SEALS & THRESHOLDS INCLUDED
11. OTHER NON-TESTED ASSEMBLIES ARE AVAILABLE. CONTACT FACTORY FOR DETAILS

HARDWARE LIMITATIONS WITH FIRE RATINGS:**OPTIONAL LOCK PREPARATIONS WITH: UP TO AND INCLUDING 100 IN² OF 5/16" PYRAN PLATINUM GLASS**

STC 41 WITH CYLINDRICAL, MORTISE OR RIM PANIC AND MAY INCLUDE UP TO AND INCLUDING A 3 HOUR FIRE RATING.

OPTIONAL LOCK PREPARATIONS WITH: UP TO AND INCLUDING 288 IN² OF 5/16" PYRAN GLASS

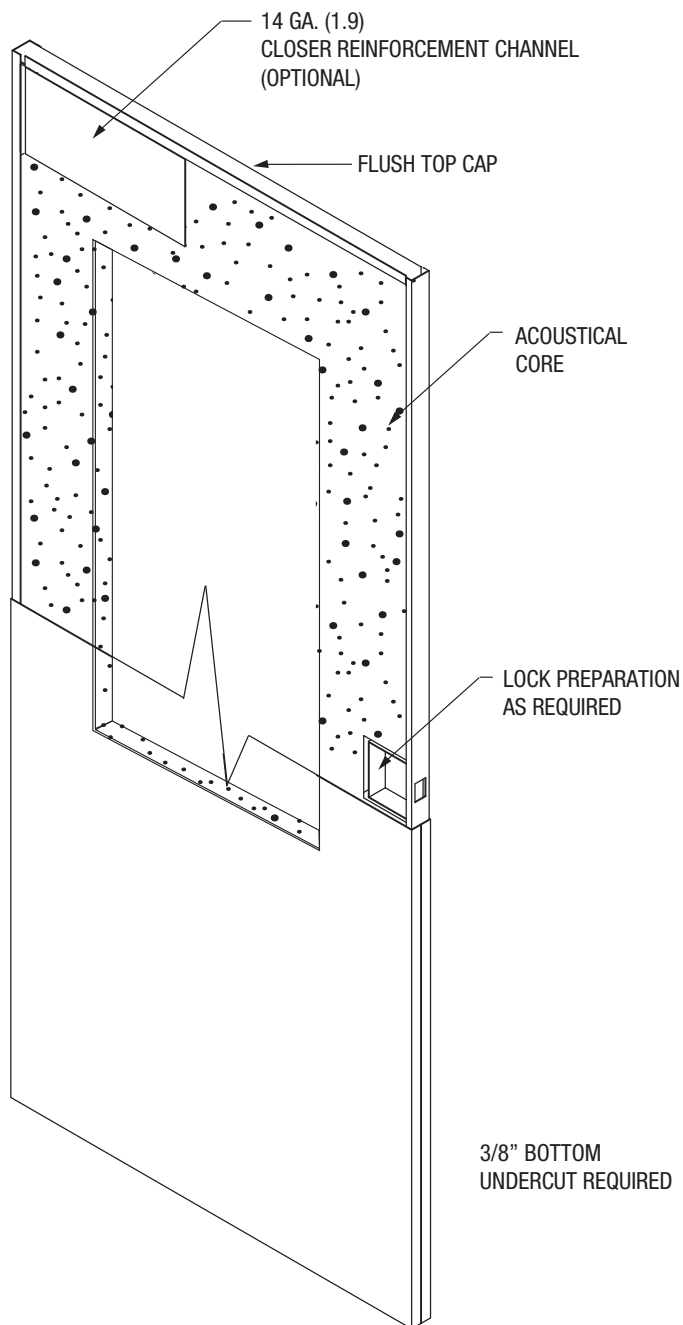
STC 41 WITH CYLINDRICAL, MORTISE OR RIM PANIC AND MAY INCLUDE UP TO AND INCLUDING A 1-1/2 HOUR FIRE RATING.

OPTIONAL LOCK PREPARATIONS WITH: UP TO AND INCLUDING 720 IN² OF 5/16" PYRAN PLATINUM GLASS

STC 41 WITH CYLINDRICAL LOCK AND MAY INCLUDE UP TO AND INCLUDING A 1-1/2 HOUR FIRE RATING.

OPENING SIZES:

MINIMUM SIZE - 2'0" X 6'8" SINGLE
MAXIMUM SIZE - 4'0" X 8'0" SINGLE

**SEAL SET #6:**

(MAY VARY DEPENDING ON FEATURES/REQUIREMENTS OF OPENINGS)

PERIMETER:

PEMKO S44
PEMKO S88
PEMKO S773

BOTTOM:

PEMKO S771 (2)
PEMKO 2008 PK
PEMKO ACP 112



STANDARDS COMPLIANCE:

ASTM E 90, ASTM E 1332, ASTM E2235, ASTM E413, SDI 128 AND HMMA 865

NOTES:

1. MUTES NOT ALLOWED
2. SURFACE CLOSER ONLY
3. STC LABEL APPLIED TO DOOR ONLY
4. WALL CONSTRUCTION NEEDS TO BE EQUAL OR GREATER STC VALUE AS DOOR/FRAME
5. THE FRAME MUST BE MORTAR FILLED TO ACHIEVE AN STC RATING OF 40 AND ABOVE
6. 1-3/4" THICK DOORS
7. FRAMES MUST BE SINGLE OR DOUBLE RABBET, CONTINUOUSLY WELDED. 16 OR 14 GAUGE, STANDARD HOLLOW METAL FRAME
8. HINGES - 4-1/2" STANDARD OR HEAVYWEIGHT, 5" STANDARD OR HEAVYWEIGHT
9. ELECTRIC RACEWAYS ARE ALLOWED
10. ALL SEALS & THRESHOLDS INCLUDED
11. OTHER NON-TESTED ASSEMBLIES ARE AVAILABLE. CONTACT FACTORY FOR DETAILS

HARDWARE LIMITATIONS WITH FIRE RATINGS:

OPTIONAL LOCK PREPARATIONS WITH: UP TO AND INCLUDING 100 IN² OF 5/16" PYRAN PLATINUM GLASS

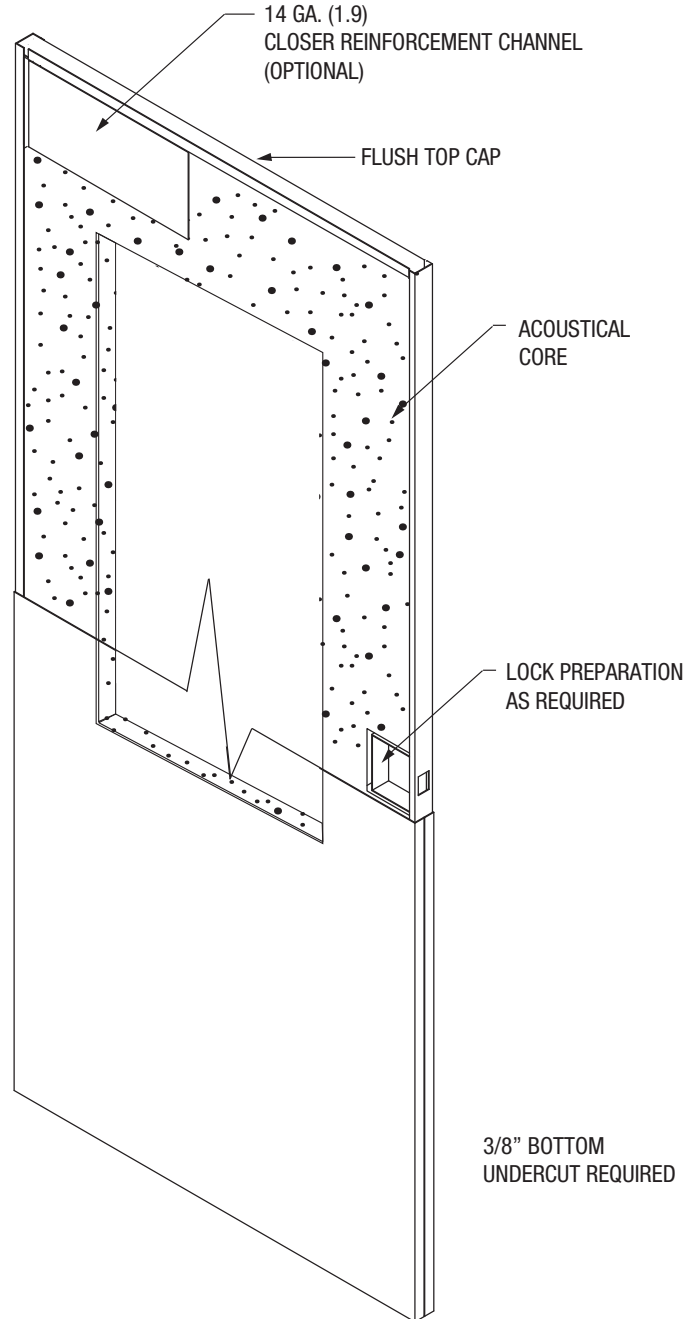
STC 42 WITH CYLINDRICAL, MORTISE OR RIM PANIC AND MAY INCLUDE UP TO AND INCLUDING A 3 HOUR FIRE RATING.

OPTIONAL LOCK PREPARATIONS WITH: UP TO AND INCLUDING 288 IN² OF 5/16" PYRAN GLASS

STC 42 WITH CYLINDRICAL, MORTISE OR RIM PANIC AND MAY INCLUDE UP TO AND INCLUDING A 1-1/2 HOUR FIRE RATING.

OPENING SIZES:

MINIMUM SIZE - 2'0" X 6'8" SINGLE
 MAXIMUM SIZE - 4'0" X 8'0" SINGLE



SEAL SET #6:

(MAY VARY DEPENDING ON FEATURES/REQUIREMENTS OF OPENINGS)

PERIMETER:

PEMKO S44
 PEMKO S88
 PEMKO S773

BOTTOM:

PEMKO S771 (2)
 PEMKO 2008 PK
 PEMKO ACP 112

May, 2016

**STANDARDS COMPLIANCE:**

ASTM E 90, ASTM E 1332, ASTM E2235, ASTM E413, SDI 128
AND HMMA 865

NOTES:

1. MUTES NOT ALLOWED
2. SURFACE CLOSER ONLY
3. STC LABEL APPLIED TO DOOR ONLY
4. WALL CONSTRUCTION NEEDS TO BE EQUAL OR GREATER
STC VALUE AS DOOR/FRAME
5. THE FRAME MUST BE MORTAR FILLED TO ACHIEVE AN STC RATING
OF 40 AND ABOVE
6. 1-3/4" THICK DOORS
7. FRAMES MUST BE SINGLE OR DOUBLE RABBET,
CONTINUOUSLY WELDED. 16 OR 14 GAUGE, STANDARD
HOLLOW METAL FRAME
8. HINGES - 4-1/2" STANDARD OR HEAVYWEIGHT,
5" STANDARD OR HEAVYWEIGHT
9. ELECTRIC RACEWAYS ARE ALLOWED
10. ALL SEALS & THRESHOLDS INCLUDED
11. OTHER NON-TESTED ASSEMBLIES ARE AVAILABLE.
CONTACT FACTORY FOR DETAILS

HARDWARE LIMITATIONS WITH FIRE RATINGS:**OPTIONAL LOCK PREPARATIONS WITH: UP TO AND INCLUDING 100 IN²
OF 5/16" PYRAN PLATINUM GLASS**

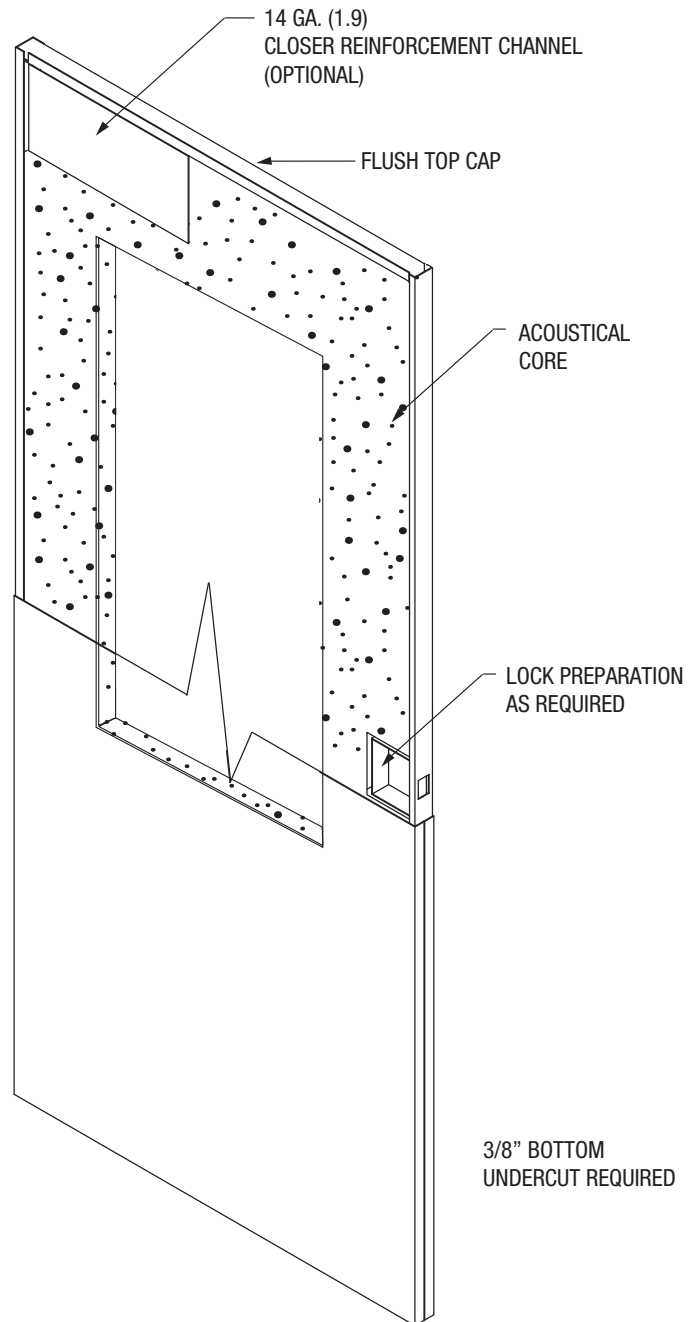
STC 43 WITH CYLINDRICAL, MORTISE OR RIM PANIC AND MAY
INCLUDE UP TO AND INCLUDING A 3 HOUR FIRE RATING.

**OPTIONAL LOCK PREPARATIONS WITH: UP TO AND INCLUDING 288 IN²
OF 5/16" PYRAN GLASS**

STC 43 WITH CYLINDRICAL, MORTISE OR RIM PANIC AND MAY
INCLUDE UP TO AND INCLUDING A 1-1/2 HOUR FIRE RATING.

OPENING SIZES:

MINIMUM SIZE - 2'0" X 6'8" SINGLE
MAXIMUM SIZE - 4'0" X 8'0" SINGLE

**SEAL SET #6:**

(MAY VARY DEPENDING ON FEATURES/REQUIREMENTS OF OPENINGS)

PERIMETER:

PEMKO S44
PEMKO S88
PEMKO S773

BOTTOM:

PEMKO S771 (2)
PEMKO 2008 PK
PEMKO ACP 112

**STANDARDS COMPLIANCE:**

ASTM E 90, ASTM E 1332, ASTM E2235, ASTM E413, SDI 128
AND HMMA 865

NOTES:

1. MUTES NOT ALLOWED
2. SURFACE CLOSER ONLY
3. STC LABEL APPLIED TO DOOR ONLY
4. WALL CONSTRUCTION NEEDS TO BE EQUAL OR GREATER
STC VALUE AS DOOR/FRAME
5. THE FRAME MUST BE MORTAR FILLED TO ACHIEVE AN STC RATING
OF 40 AND ABOVE
6. 1-3/4" THICK DOORS
7. FRAMES MUST BE SINGLE OR DOUBLE RABBET,
CONTINUOUSLY WELDED. 16 OR 14 GAUGE, STANDARD
HOLLOW METAL FRAME
8. HINGES - 4-1/2" STANDARD OR HEAVYWEIGHT,
5" STANDARD OR HEAVYWEIGHT
9. ELECTRIC RACEWAYS ARE ALLOWED
10. ALL SEALS & THRESHOLDS INCLUDED
11. OTHER NON-TESTED ASSEMBLIES ARE AVAILABLE.
CONTACT FACTORY FOR DETAILS

HARDWARE LIMITATIONS WITH FIRE RATINGS:

**OPTIONAL LOCK PREPARATIONS WITH: UP TO AND INCLUDING 100 IN²
OF 5/16" PYRAN PLATINUM GLASS**

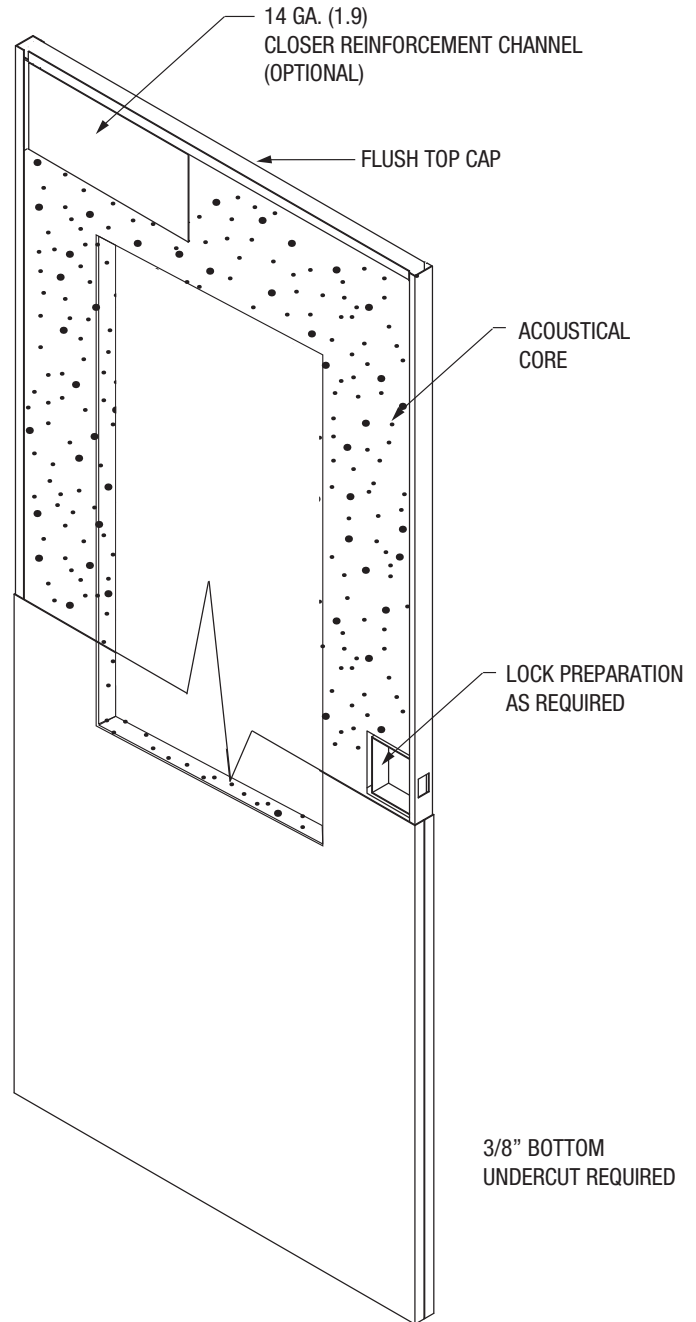
STC 44 WITH CYLINDRICAL OR MORTISE OR RIM PANIC AND MAY
INCLUDE UP TO AND INCLUDING A 3 HOUR FIRE RATING.

**OPTIONAL LOCK PREPARATIONS WITH: UP TO AND INCLUDING 288 IN²
OF 5/16" PYRAN GLASS**

STC 44 WITH CYLINDRICAL, MORTISE AND MAY INCLUDE UP TO
AND INCLUDING A 1-1/2 HOUR FIRE RATING.

OPENING SIZES:

MINIMUM SIZE - 2'0" X 6'8" SINGLE
MAXIMUM SIZE - 4'0" X 8'0" SINGLE

**SEAL SET #6:**

(MAY VARY DEPENDING ON FEATURES/REQUIREMENTS OF OPENINGS)

PERIMETER:

PEMKO S44
PEMKO S88
PEMKO S773

BOTTOM:

PEMKO S771 (2)
PEMKO 2008 PK
PEMKO ACP 112

May, 2016

**STANDARDS COMPLIANCE:**

ASTM E 90, ASTM E 1332, ASTM E2235, ASTM E413, SDI 128
AND HMMA 865

NOTES:

1. MUTES NOT ALLOWED
2. SURFACE CLOSER ONLY
3. STC LABEL APPLIED TO DOOR ONLY
4. WALL CONSTRUCTION NEEDS TO BE EQUAL OR GREATER STC VALUE AS DOOR/FRAME
5. THE FRAME MUST BE MORTAR FILLED TO ACHIEVE AN STC RATING OF 40 AND ABOVE
6. 1-3/4" THICK DOORS
7. FRAMES MUST BE SINGLE OR DOUBLE RABBET, CONTINUOUSLY WELDED. 16 OR 14 GAUGE, STANDARD HOLLOW METAL FRAME
8. HINGES - 4-1/2" STANDARD OR HEAVYWEIGHT, 5" STANDARD OR HEAVYWEIGHT
9. ELECTRIC RACEWAYS ARE ALLOWED
10. ALL SEALS & THRESHOLDS INCLUDED
11. OTHER NON-TESTED ASSEMBLIES ARE AVAILABLE. CONTACT FACTORY FOR DETAILS

HARDWARE LIMITATIONS WITH FIRE RATINGS:**OPTIONAL LOCK PREPARATIONS WITH: UP TO AND INCLUDING 100 IN² OF 5/16" PYRAN PLATINUM GLASS**

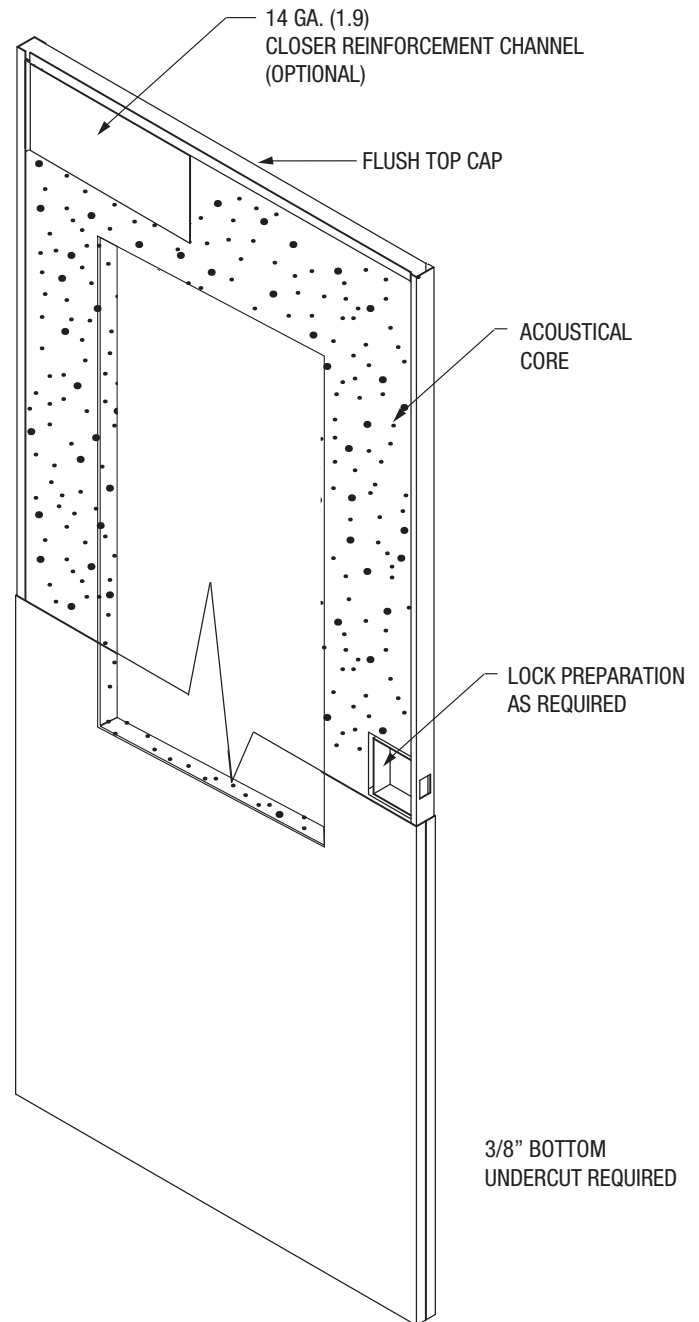
STC 45 WITH CYLINDRICAL, MORTISE OR RIM PANIC AND MAY INCLUDE UP TO AND INCLUDING A 3 HOUR FIRE RATING.

OPTIONAL LOCK PREPARATIONS WITH: UP TO AND INCLUDING 288 IN² OF 5/16" PYRAN GLASS

STC 45 WITH CYLINDRICAL LOCK AND MAY INCLUDE UP TO AND INCLUDING A 1-1/2 HOUR FIRE RATING.

OPENING SIZES:

MINIMUM SIZE - 2'0" X 6'8" SINGLE
MAXIMUM SIZE - 4'0" X 8'0" SINGLE

**SEAL SET #6:**

(MAY VARY DEPENDING ON FEATURES/REQUIREMENTS OF OPENINGS)

PERIMETER:

PEMKO S44
PEMKO S88
PEMKO S773

BOTTOM:

PEMKO S771 (2)
PEMKO 2008 PK
PEMKO ACP 112

**STANDARDS COMPLIANCE:**

ASTM E 90, ASTM E 1332, ASTM E2235, ASTM E413, SDI 128
AND HMMA 865

NOTES:

1. MUTES NOT ALLOWED
2. SURFACE CLOSER ONLY
3. STC LABEL APPLIED TO DOOR ONLY
4. WALL CONSTRUCTION NEEDS TO BE EQUAL OR GREATER
STC VALUE AS DOOR/FRAME
5. THE FRAME MUST BE MORTAR FILLED TO ACHIEVE AN STC RATING
OF 40 AND ABOVE
6. 1-3/4" THICK DOORS
7. FRAMES MUST BE SINGLE OR DOUBLE RABBET,
CONTINUOUSLY WELDED. 16 OR 14 GAUGE, STANDARD
HOLLOW METAL FRAME
8. HINGES - 4-1/2" STANDARD OR HEAVYWEIGHT,
5" STANDARD OR HEAVYWEIGHT
9. ELECTRIC RACEWAYS ARE ALLOWED
10. ALL SEALS & THRESHOLDS INCLUDED
11. OTHER NON-TESTED ASSEMBLIES ARE AVAILABLE.
CONTACT FACTORY FOR DETAILS

HARDWARE LIMITATIONS WITH FIRE RATINGS:

**OPTIONAL LOCK PREPARATIONS WITH: UP TO AND INCLUDING 100 IN²
OF 5/16" PYRAN PLATINUM GLASS**

STC 46 WITH CYLINDRICAL, MORTISE OR RIM PANIC AND MAY
INCLUDE UP TO AND INCLUDING A 3 HOUR FIRE RATING.

OPENING SIZES:

MINIMUM SIZE - 2'0" X 6'8" SINGLE
MAXIMUM SIZE - 4'0" X 8'0" SINGLE

SEAL SET #6:

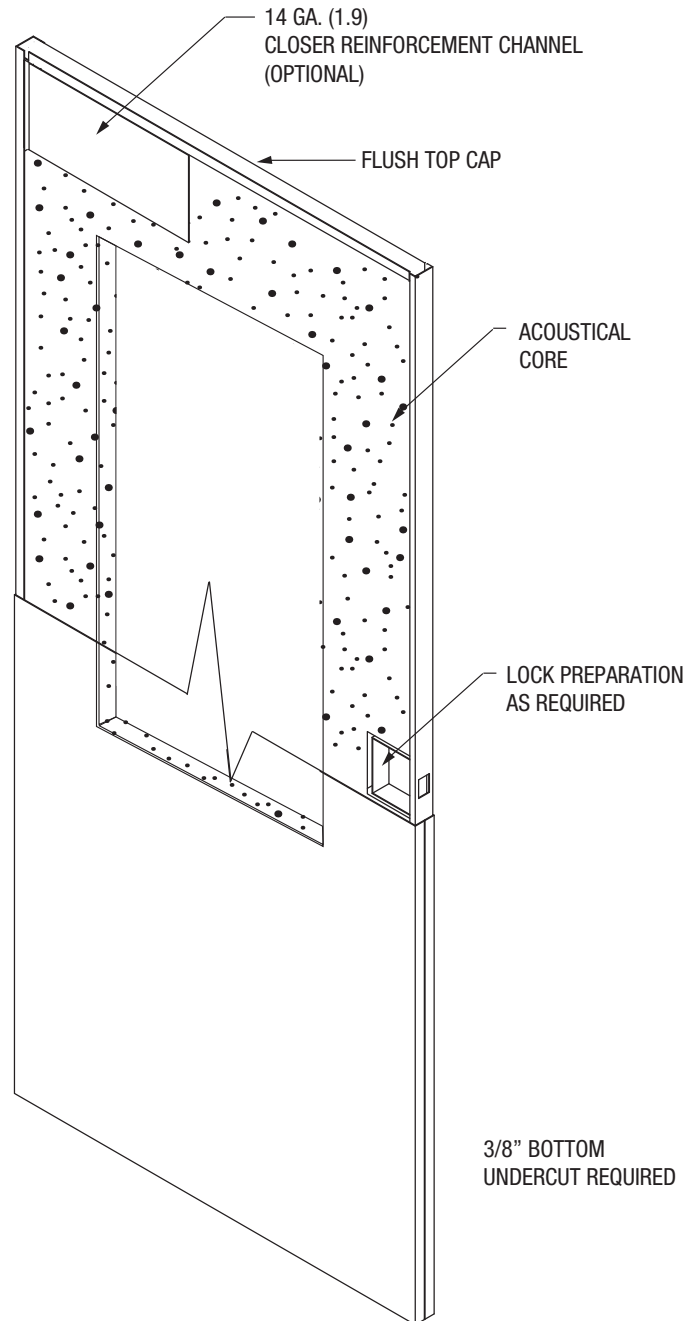
(MAY VARY DEPENDING ON FEATURES/REQUIREMENTS OF OPENINGS)

PERIMETER:

PEMKO S44
PEMKO S88
PEMKO S773

BOTTOM:

PEMKO S771 (2)
PEMKO 2008 PK
PEMKO ACP 112



May, 2016

**STANDARDS COMPLIANCE:**

ASTM E 90, ASTM E 1332, ASTM E2235, ASTM E413, SDI 128
AND HMMMA 865

NOTES:

1. MUTES NOT ALLOWED
2. SURFACE CLOSER ONLY
3. STC LABEL APPLIED TO DOOR ONLY
4. WALL CONSTRUCTION NEEDS TO BE EQUAL OR GREATER STC VALUE AS DOOR/FRAME
5. THE FRAME MUST BE MORTAR FILLED TO ACHIEVE AN STC RATING OF 40 AND ABOVE
6. 1-3/4" THICK DOORS
7. FRAMES MUST BE SINGLE OR DOUBLE RABBET, CONTINUOUSLY WELDED. 16 OR 14 GAUGE, STANDARD HOLLOW METAL FRAME
8. HINGES - 4-1/2" STANDARD OR HEAVYWEIGHT, 5" STANDARD OR HEAVYWEIGHT
9. ELECTRIC RACEWAYS ARE ALLOWED
10. ALL SEALS & THRESHOLDS INCLUDED
11. OTHER NON-TESTED ASSEMBLIES ARE AVAILABLE. CONTACT FACTORY FOR DETAILS

HARDWARE LIMITATIONS WITH FIRE RATINGS:

OPTIONAL LOCK PREPARATIONS WITH: UP TO AND INCLUDING 100 IN² OF 5/16" PYRAN PLATINUM GLASS

STC 47 WITH CYLINDRICAL OR MORTISE LOCK AND MAY INCLUDE UP TO AND INCLUDING A 3 HOUR FIRE RATING.

OPENING SIZES:

MINIMUM SIZE - 2'0" X 6'8" SINGLE
MAXIMUM SIZE - 4'0" X 8'0" SINGLE

SEAL SET #6:

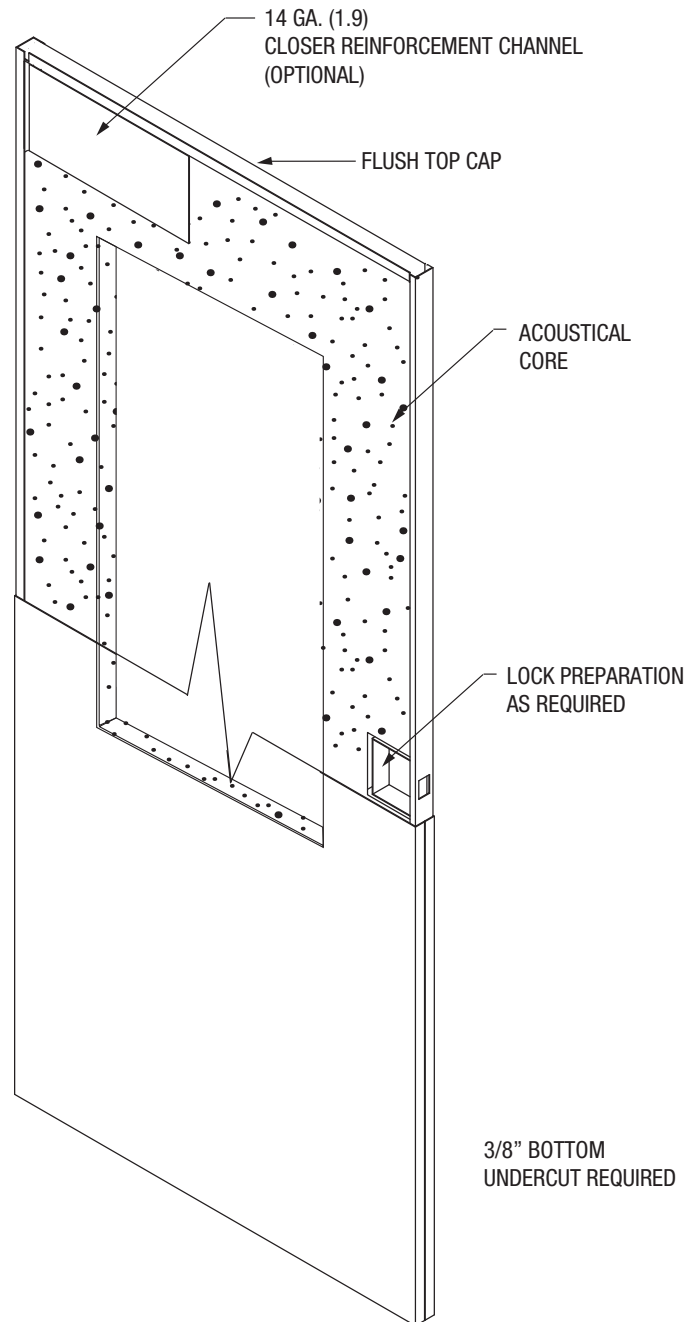
(MAY VARY DEPENDING ON FEATURES/REQUIREMENTS OF OPENINGS)

PERIMETER:

PEMKO S44
PEMKO S88
PEMKO S773

BOTTOM:

PEMKO S771 (2)
PEMKO 2008 PK
PEMKO ACP 112





STANDARDS COMPLIANCE:

ASTM E 90, ASTM E 1332, ASTM E2235, ASTM E413, SDI 128
AND HMMA 865

NOTES:

1. MUTES NOT ALLOWED
2. SURFACE CLOSER ONLY
3. STC LABEL APPLIED TO DOOR ONLY
4. WALL CONSTRUCTION NEEDS TO BE EQUAL OR GREATER STC VALUE AS DOOR/FRAME
5. THE FRAME MUST BE MORTAR FILLED TO ACHIEVE AN STC RATING OF 40 AND ABOVE
6. 1-3/4" THICK DOORS
7. FRAMES MUST BE SINGLE OR DOUBLE RABBET, CONTINUOUSLY WELDED. 16 OR 14 GAUGE, STANDARD HOLLOW METAL FRAME
8. HINGES - 4-1/2" STANDARD OR HEAVYWEIGHT, 5" STANDARD OR HEAVYWEIGHT
9. ELECTRIC RACEWAYS ARE ALLOWED
10. ALL SEALS & THRESHOLDS INCLUDED
11. OTHER NON-TESTED ASSEMBLIES ARE AVAILABLE. CONTACT FACTORY FOR DETAILS

HARDWARE LIMITATIONS WITH FIRE RATINGS:

OPTIONAL LOCK PREPARATIONS WITH: UP TO AND INCLUDING 100 IN² OF 5/16" PYRAN PLATINUM GLASS

STC 48 WITH CYLINDRICAL ONLY AND MAY INCLUDE UP TO AND INCLUDING A 3 HOUR FIRE RATING.

OPENING SIZES:

MINIMUM SIZE - 2'0" X 6'8" SINGLE
MAXIMUM SIZE - 4'0" X 8'0" SINGLE

SEAL SET #6:

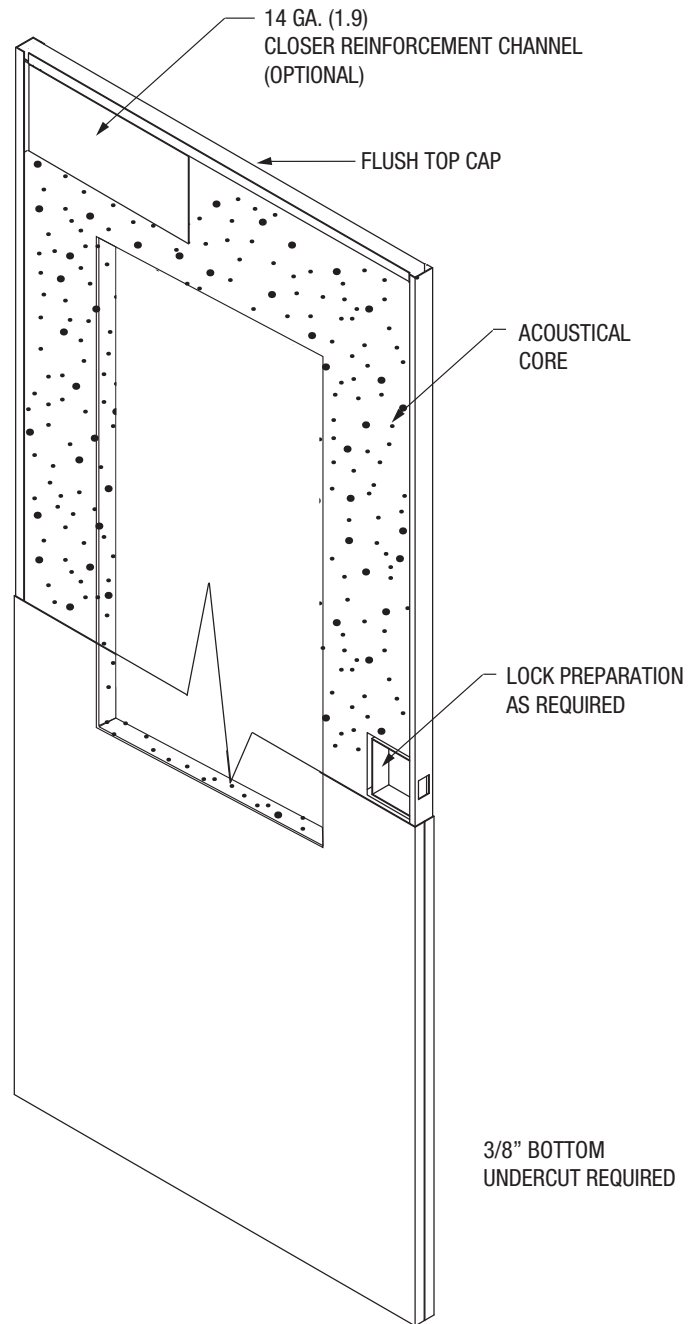
(MAY VARY DEPENDING ON FEATURES/REQUIREMENTS OF OPENINGS)

PERIMETER:

PEMKO S44
PEMKO S88
PEMKO S773

BOTTOM:

PEMKO S771 (2)
PEMKO 2008 PK
PEMKO ACP 112





May, 2016

**STANDARDS COMPLIANCE:**

ASTM E 90, ASTM E 1332, ASTM E2235, ASTM E413, SDI 128 AND HMMA 865

NOTES:

1. MUTES NOT ALLOWED
2. SURFACE CLOSER ONLY
3. STC LABEL APPLIED TO DOOR ONLY
4. WALL CONSTRUCTION NEEDS TO BE EQUAL OR GREATER STC VALUE AS DOOR/FRAME
5. THE FRAME MUST BE MORTAR FILLED TO ACHIEVE THE STC RATING
6. 1-3/4" THICK DOORS
7. FRAMES MUST BE SINGLE OR DOUBLE RABBET, CONTINUOUSLY WELDED. 16 OR 14 GAUGE, STANDARD HOLLOW METAL FRAME
8. HINGES - 4-1/2" STANDARD OR HEAVYWEIGHT, 5" STANDARD OR HEAVYWEIGHT
9. ELECTRIC RACEWAYS ARE ALLOWED
10. ALL SEALS & THRESHOLDS INCLUDED
11. OTHER NON-TESTED ASSEMBLIES ARE AVAILABLE. CONTACT FACTORY FOR DETAILS.

HARDWARE LIMITATIONS:

SURFACE VERTICAL ROD ONLY

FIRE RATING:

NON-RATED ONLY

OPENING SIZES:

MINIMUM SIZE - 4'0" X 6'8" PAIR

MAXIMUM SIZE - 8'0" X 8'0" PAIR

FACE TYPES:

FLUSH ONLY – NO LITES ALLOWED

SEAL SET #5:

(MAY VARY DEPENDING ON FEATURES/REQUIREMENTS OF OPENINGS)

PERIMETER:

PEMKO S773

PEMKO S88

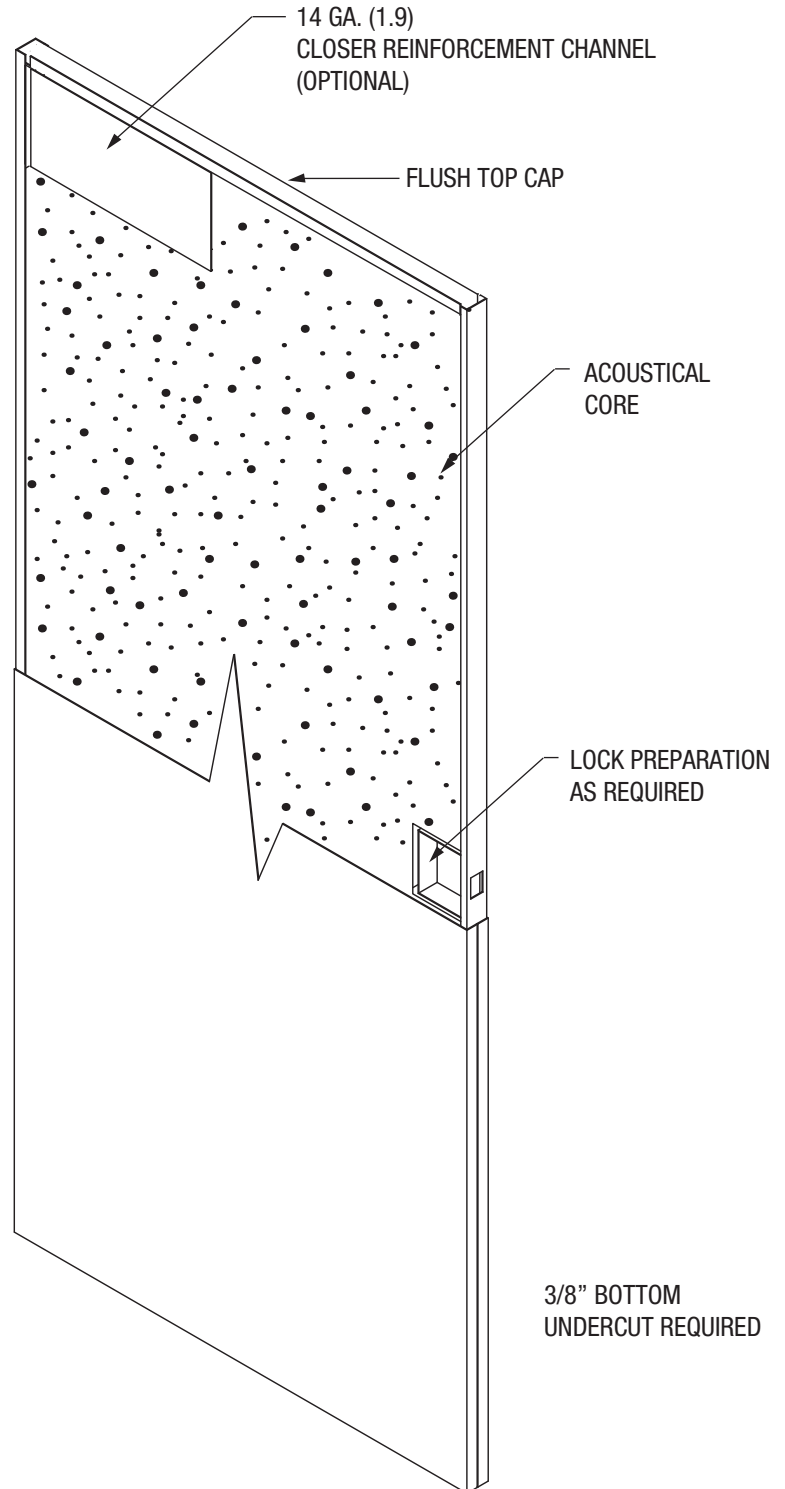
BOTTOM:

PEMKO 2008 PK

MEETING EDGES:

PEMKO S88 (4)

PEMKO 303AS (4)



**STANDARDS COMPLIANCE:**

ASTM E 90, ASTM E 1332, ASTM E2235, ASTM E413, SDI 128 AND HMMA 865

NOTES:

1. MUTES NOT ALLOWED
2. SURFACE CLOSER ONLY
3. STC LABEL APPLIED TO DOOR ONLY
4. WALL CONSTRUCTION NEEDS TO BE EQUAL OR GREATER STC VALUE AS DOOR/FRAME
5. THE FRAME MUST BE MORTAR FILLED TO ACHIEVE THE STC RATING
6. 1-3/4" THICK DOORS
7. FRAMES MUST BE SINGLE OR DOUBLE RABBET, CONTINUOUSLY WELDED. 16 OR 14 GAUGE, STANDARD HOLLOW METAL FRAME
8. HINGES - 4-1/2" STANDARD OR HEAVYWEIGHT, 5" STANDARD OR HEAVYWEIGHT
9. ELECTRIC RACEWAYS ARE ALLOWED
10. ALL SEALS & THRESHOLDS INCLUDED
11. OTHER NON-TESTED ASSEMBLIES ARE AVAILABLE. CONTACT FACTORY FOR DETAILS.

HARDWARE LIMITATIONS:

SURFACE VERTICAL ROD ONLY

FIRE RATING:

NON-RATED ONLY

OPENING SIZES:

MINIMUM SIZE - 4'0" X 6'8" PAIR

MAXIMUM SIZE - 8'0" X 8'0" PAIR

FACE TYPES:

FLUSH ONLY – NO LITES ALLOWED

SEAL SET #5:

(MAY VARY DEPENDING ON FEATURES/REQUIREMENTS OF OPENINGS)

PERIMETER:

PEMKO S773

PEMKO S88

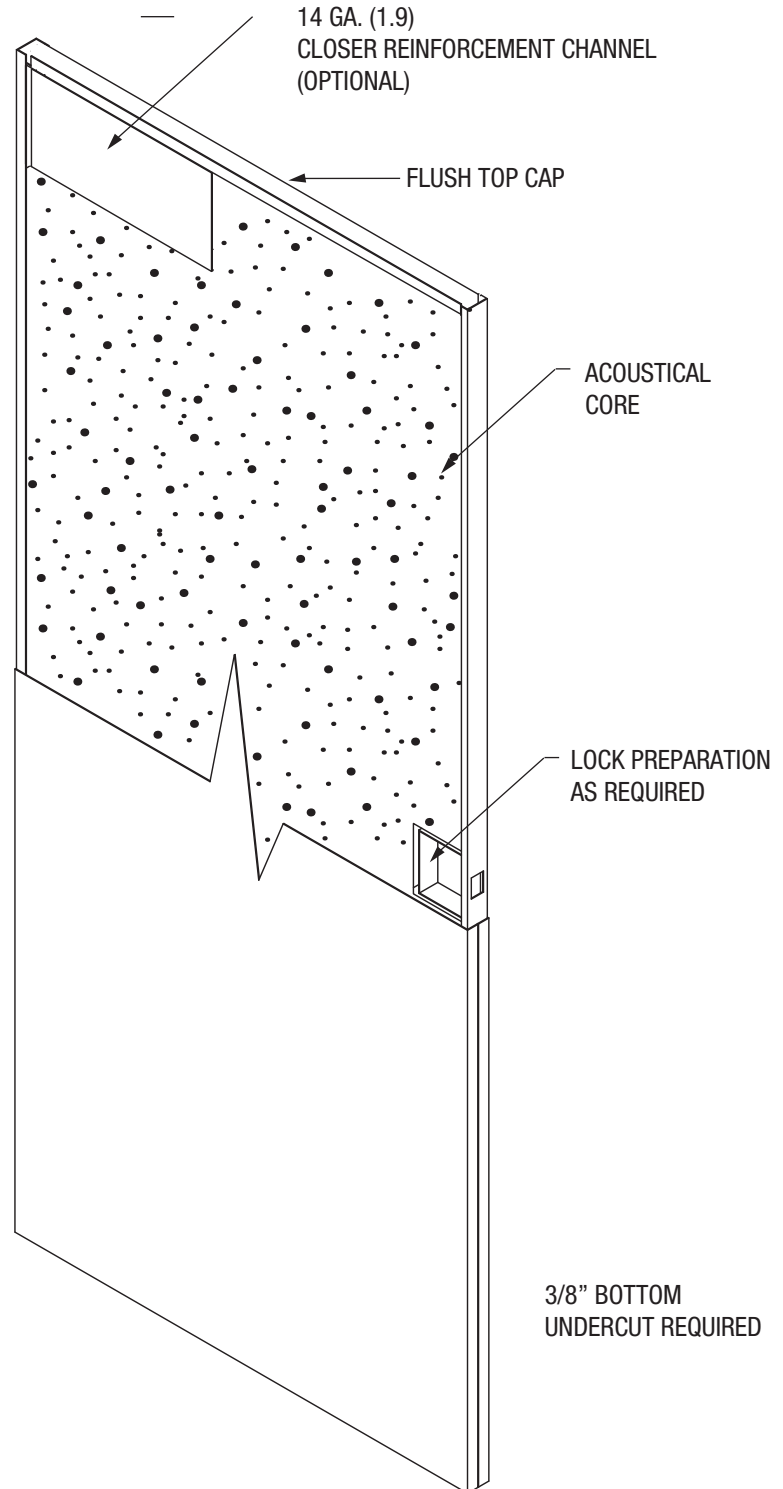
BOTTOM:

PEMKO 2008 PK

MEETING EDGES:

PEMKO S88 (4)

PEMKO 303AS (4)



May, 2016

**STANDARDS COMPLIANCE:**

ASTM E 90, ASTM E 1332, ASTM E2235, ASTM E413, SDI 128
AND HMMA 865

NOTES:

1. MUTES NOT ALLOWED
2. SURFACE CLOSER ONLY
3. STC LABEL APPLIED TO DOOR ONLY
4. WALL CONSTRUCTION NEEDS TO BE EQUAL OR GREATER
STC VALUE AS DOOR/FRAME
5. THE FRAME MUST BE MORTAR FILLED TO ACHIEVE THE STC
RATING
6. 1-3/4" THICK DOORS
7. FRAMES MUST BE SINGLE OR DOUBLE RABBET,
CONTINUOUSLY WELDED. 16 OR 14 GAUGE, STANDARD
HOLLOW METAL FRAME
8. HINGES - 4-1/2" STANDARD OR HEAVYWEIGHT,
5" STANDARD OR HEAVYWEIGHT
9. ELECTRIC RACEWAYS ARE ALLOWED
10. ALL SEALS & THRESHOLDS INCLUDED
11. OTHER NON-TESTED ASSEMBLIES ARE AVAILABLE.
CONTACT FACTORY FOR DETAILS.

HARDWARE LIMITATIONS:

SURFACE VERTICAL ROD ONLY

FIRE RATING:

NON-RATED ONLY

OPENING SIZES:

MINIMUM SIZE - 4'0" X 6'8" PAIR

MAXIMUM SIZE - 8'0" X 8'0" PAIR

FACE TYPES:

FLUSH ONLY – NO LITES ALLOWED

SEAL SET #5:

(MAY VARY DEPENDING ON FEATURES/REQUIREMENTS OF OPENINGS)

PERIMETER:

PEMKO S773

PEMKO S88

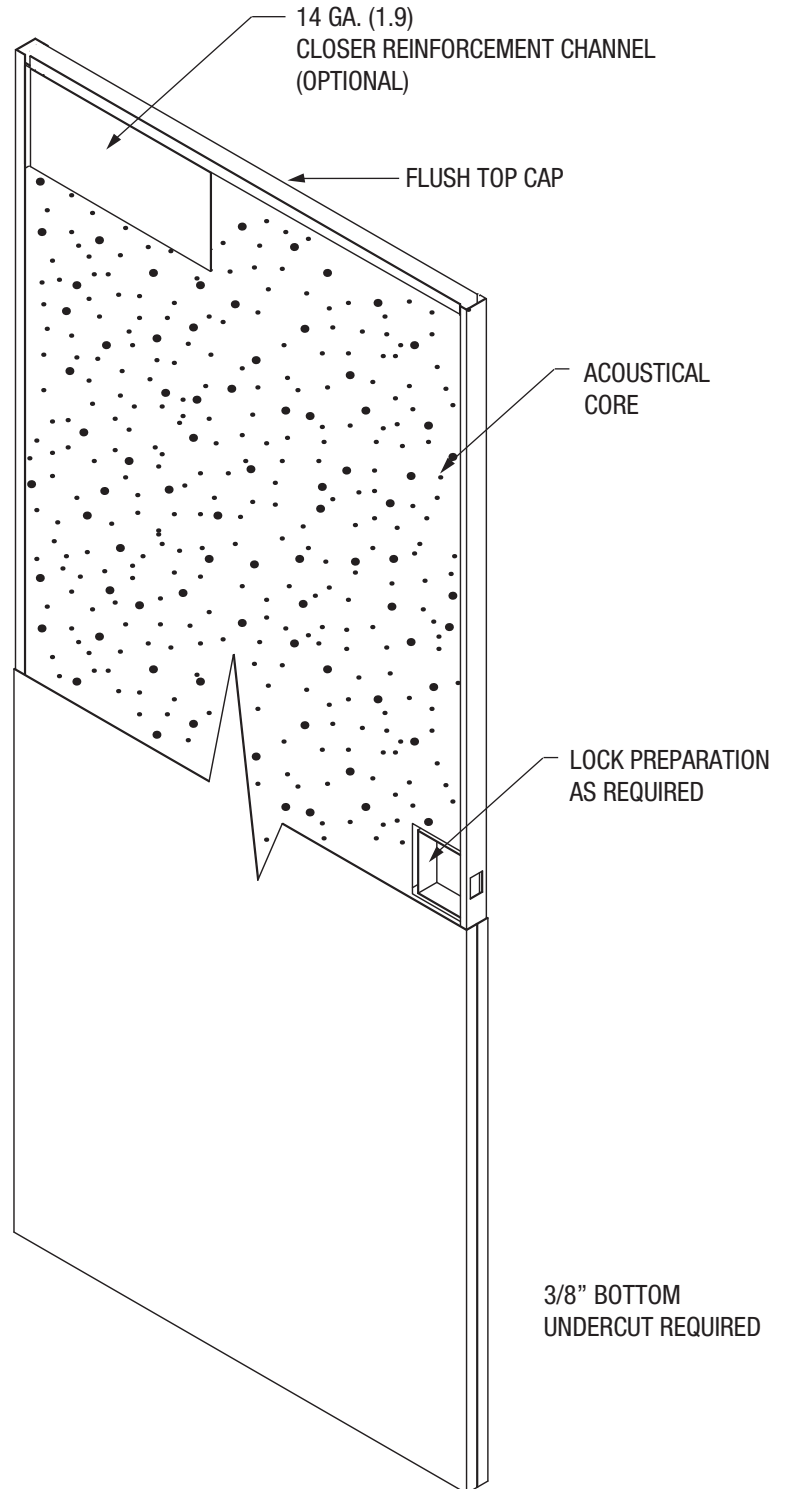
BOTTOM:

PEMKO 2008 PK

MEETING EDGES:

PEMKO S88 (4)

PEMKO 303AS (4)



**STANDARDS COMPLIANCE:**

ASTM E 90, ASTM E 1332, ASTM E2235, ASTM E413, SDI 128 AND HMMA 865

NOTES:

1. MUTES NOT ALLOWED
2. SURFACE CLOSER ONLY
3. STC LABEL APPLIED TO DOOR ONLY
4. WALL CONSTRUCTION NEEDS TO BE EQUAL OR GREATER STC VALUE AS DOOR/FRAME
5. THE FRAME MUST BE MORTAR FILLED TO ACHIEVE THE STC RATING
6. 1-3/4" THICK DOORS
7. FRAMES MUST BE SINGLE OR DOUBLE RABBET, CONTINUOUSLY WELDED. 16 OR 14 GAUGE, STANDARD HOLLOW METAL FRAME
8. HINGES - 4-1/2" STANDARD OR HEAVYWEIGHT, 5" STANDARD OR HEAVYWEIGHT
9. ELECTRIC RACEWAYS ARE ALLOWED
10. ALL SEALS & THRESHOLDS INCLUDED
11. OTHER NON-TESTED ASSEMBLIES ARE AVAILABLE. CONTACT FACTORY FOR DETAILS.

HARDWARE LIMITATIONS:

SURFACE VERTICAL ROD ONLY

FIRE RATING:

NON-RATED ONLY

OPENING SIZES:

MINIMUM SIZE - 4'0" X 6'8" PAIR

MAXIMUM SIZE - 8'0" X 8'0" PAIR

FACE TYPES:

FLUSH ONLY – NO LITES ALLOWED

SEAL SET #5:

(MAY VARY DEPENDING ON FEATURES/REQUIREMENTS OF OPENINGS)

PERIMETER:

PEMKO S773

PEMKO S88

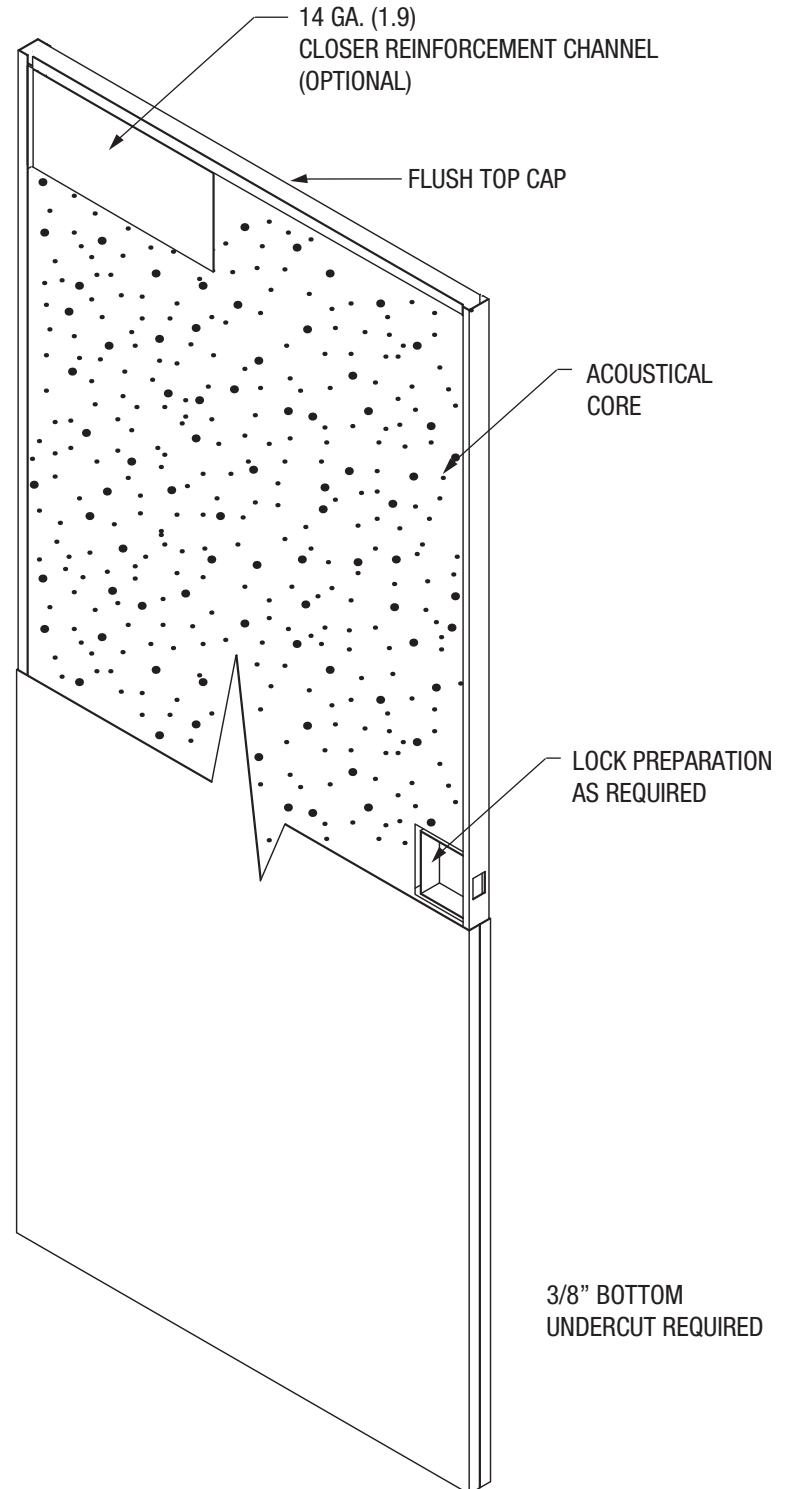
BOTTOM:

PEMKO 2008 PK

MEETING EDGES:

PEMKO S88 (4)

PEMKO 303AS (4)





May, 2016

**STANDARDS COMPLIANCE:**

ASTM E 90, ASTM E 1332, ASTM E2235, ASTM E413, SDI 128
AND HMMA 865

NOTES:

1. MUTES NOT ALLOWED
2. SURFACE CLOSER ONLY
3. STC LABEL APPLIED TO DOOR ONLY
4. WALL CONSTRUCTION NEEDS TO BE EQUAL OR GREATER
STC VALUE AS DOOR/FRAME
5. THE FRAME MUST BE MORTAR FILLED TO ACHIEVE THE STC
RATING
6. 1-3/4" THICK DOORS
7. FRAMES MUST BE SINGLE OR DOUBLE RABBET,
CONTINUOUSLY WELDED. 16 OR 14 GAUGE, STANDARD
HOLLOW METAL FRAME
8. HINGES - 4-1/2" STANDARD OR HEAVYWEIGHT,
5" STANDARD OR HEAVYWEIGHT
9. ELECTRIC RACEWAYS ARE ALLOWED
10. ALL SEALS & THRESHOLDS INCLUDED
11. OTHER NON-TESTED ASSEMBLIES ARE AVAILABLE.
CONTACT FACTORY FOR DETAILS.

HARDWARE LIMITATIONS:

SURFACE VERTICAL ROD ONLY

FIRE RATING:

NON-RATED ONLY

OPENING SIZES:

MINIMUM SIZE - 4'0" X 6'8" PAIR
MAXIMUM SIZE - 8'0" X 8'0" PAIR

FACE TYPES:

FLUSH ONLY – NO LITES ALLOWED

SEAL SET #5:

(MAY VARY DEPENDING ON FEATURES/REQUIREMENTS OF OPENINGS)

PERIMETER:

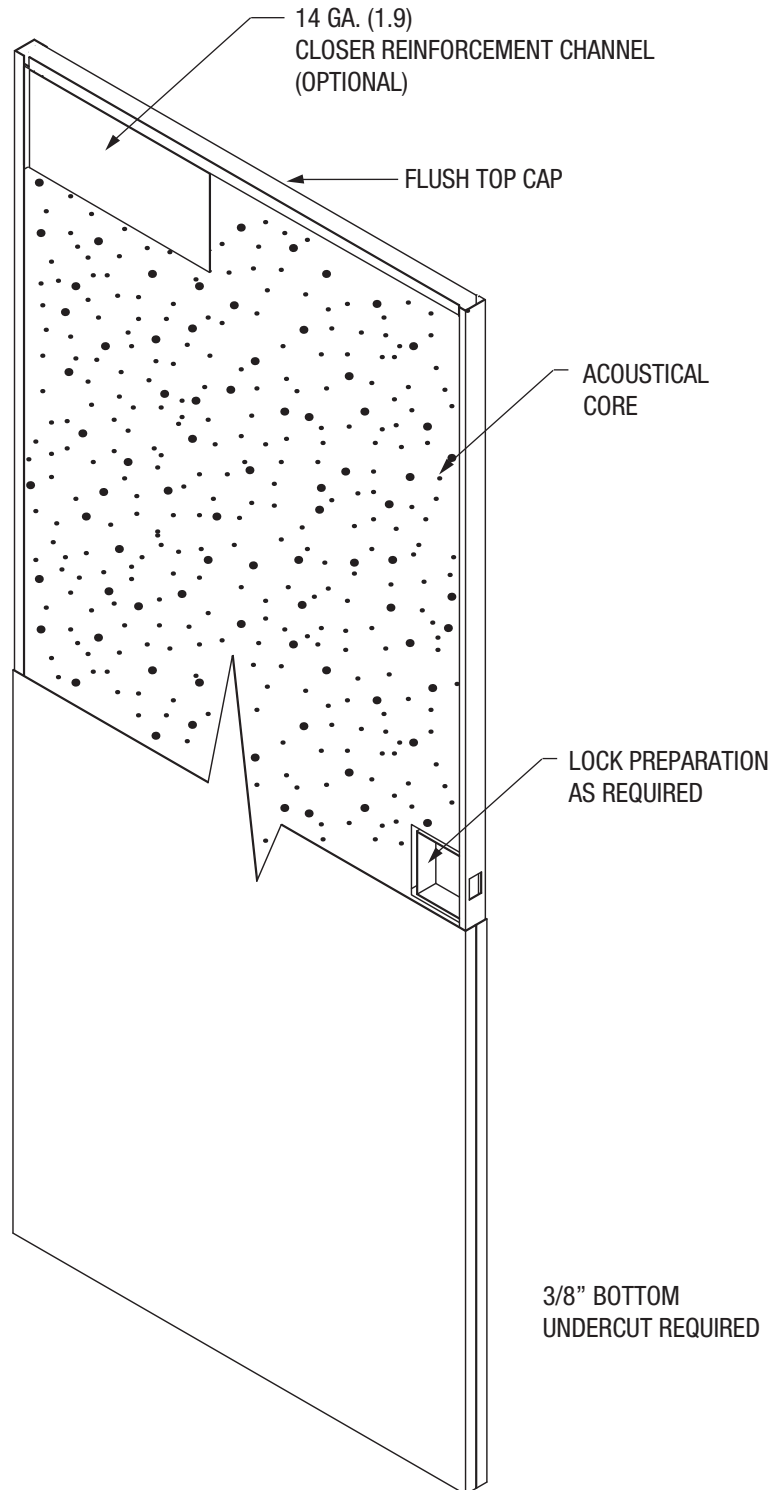
PEMKO S773
PEMKO S88

BOTTOM:

PEMKO 2008 PK

MEETING EDGES:

PEMKO S88 (4)
PEMKO 303AS (4)



**STANDARDS COMPLIANCE:**

ASTM E 90, ASTM E 1332, ASTM E2235, ASTM E413, SDI 128
AND HMMMA 865

NOTES:

1. MUTES NOT ALLOWED
2. SURFACE CLOSER ONLY
3. STC LABEL APPLIED TO DOOR ONLY
4. WALL CONSTRUCTION NEEDS TO BE EQUAL OR GREATER
STC VALUE AS DOOR/FRAME
5. THE FRAME MUST BE MORTAR FILLED TO ACHIEVE THE STC
RATING
6. 1-3/4" THICK DOORS
7. FRAMES MUST BE SINGLE OR DOUBLE RABBET,
CONTINUOUSLY WELDED. 16 OR 14 GAUGE, STANDARD
HOLLOW METAL FRAME
8. HINGES - 4-1/2" STANDARD OR HEAVYWEIGHT,
5" STANDARD OR HEAVYWEIGHT
9. ELECTRIC RACEWAYS ARE ALLOWED
10. ALL SEALS & THRESHOLDS INCLUDED
11. OTHER NON-TESTED ASSEMBLIES ARE AVAILABLE.
CONTACT FACTORY FOR DETAILS.

HARDWARE LIMITATIONS:

SURFACE VERTICAL ROD ONLY

FIRE RATING:

NON-RATED ONLY

OPENING SIZES:

MINIMUM SIZE - 4'0" X 6'8" PAIR

MAXIMUM SIZE - 8'0" X 8'0" PAIR

FACE TYPES:

FLUSH ONLY – NO LITES ALLOWED

SEAL SET #5:

(MAY VARY DEPENDING ON FEATURES/REQUIREMENTS OF OPENINGS)

PERIMETER:

PEMKO S773

PEMKO S88

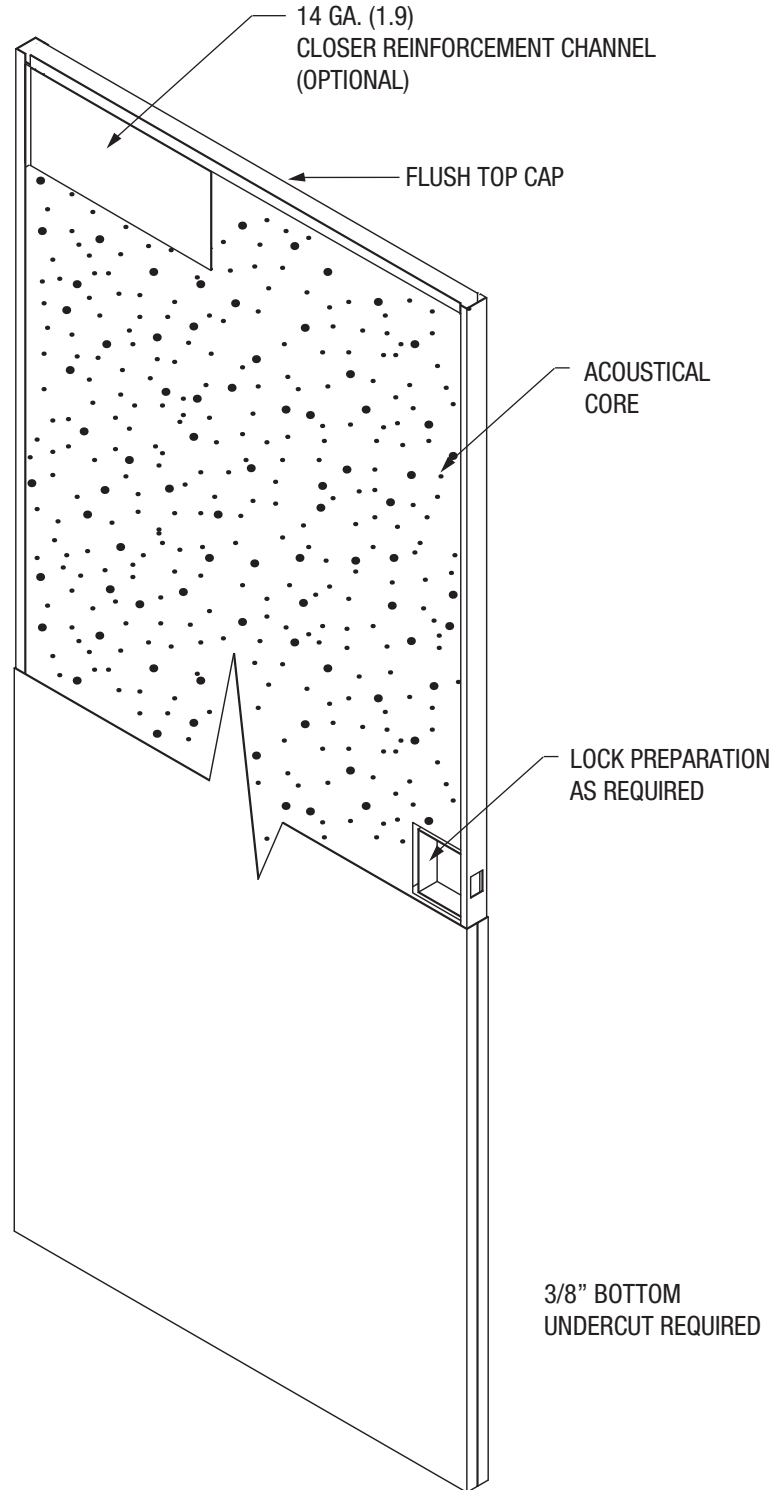
BOTTOM:

PEMKO 2008 PK

MEETING EDGES:

PEMKO S88 (4)

PEMKO 303AS (4)





May, 2016

**STANDARDS COMPLIANCE:**

ASTM E 90, ASTM E 1332, ASTM E2235, ASTM E413, SDI 128
AND HMMA 865

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HARDWARE LIMITATIONS:

SURFACE VERTICAL ROD ONLY

FIRE RATING:

NON-RATED ONLY

OPENING SIZES:

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FACE TYPES:

FLUSH ONLY – NO LITES ALLOWED

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(MAY VARY DEPENDING ON FEATURES/REQUIREMENTS OF OPENINGS)

PERIMETER:

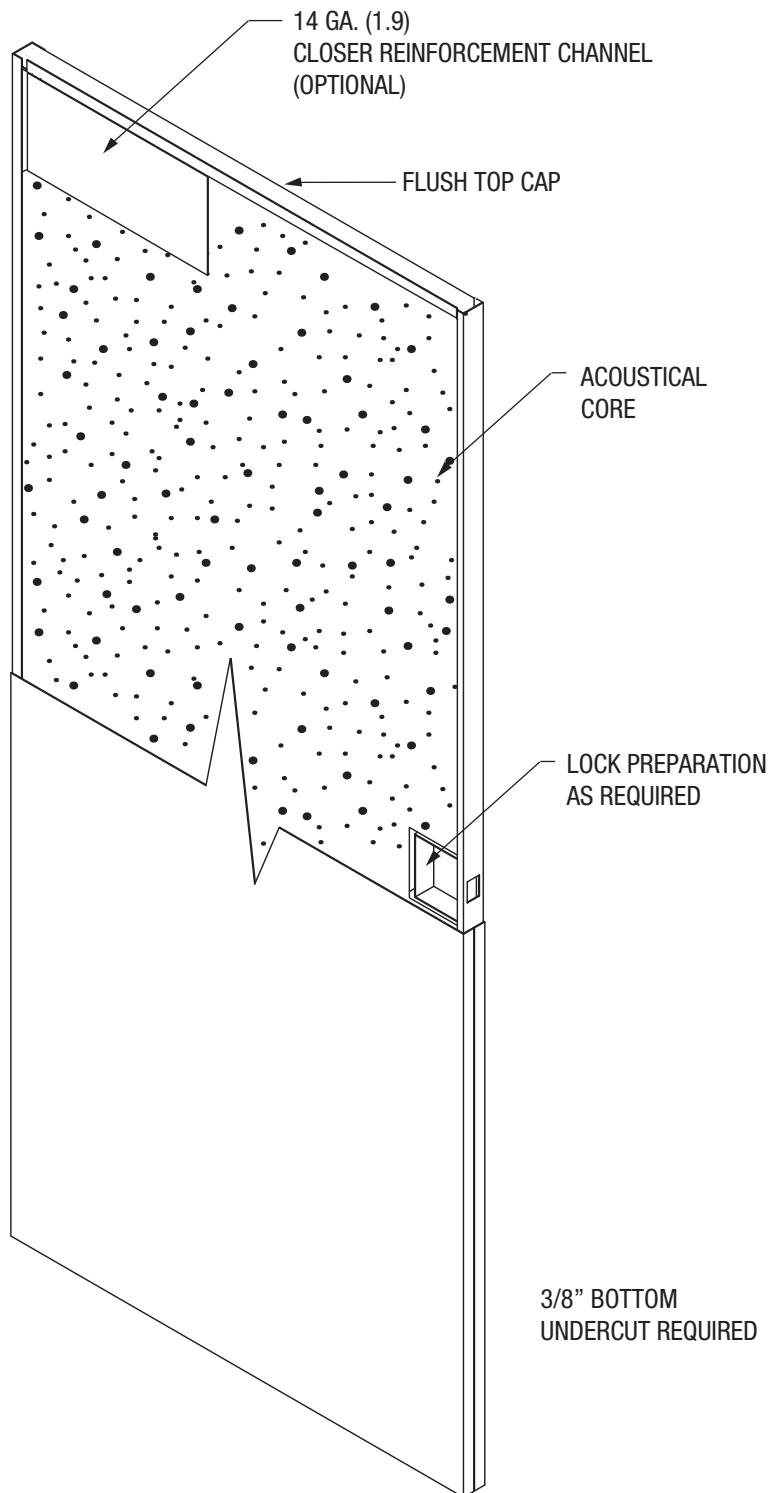
PEMKO S773
PEMKO S88

BOTTOM:

PEMKO 2008 PK

MEETING EDGES:

PEMKO S88 (4)
PEMKO 303AS (4)



**STANDARDS COMPLIANCE:**

ASTM E 90, ASTM E 1332, ASTM E2235, ASTM E413, SDI 128 AND HMMMA 865

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HARDWARE LIMITATIONS:

SURFACE VERTICAL ROD ONLY

FIRE RATING:

NON-RATED ONLY

OPENING SIZES:

MINIMUM SIZE - 4'0" X 6'8" PAIR
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FACE TYPES:

FLUSH ONLY – NO LITES ALLOWED

SEAL SET #5:

(MAY VARY DEPENDING ON FEATURES/REQUIREMENTS OF OPENINGS)

PERIMETER:

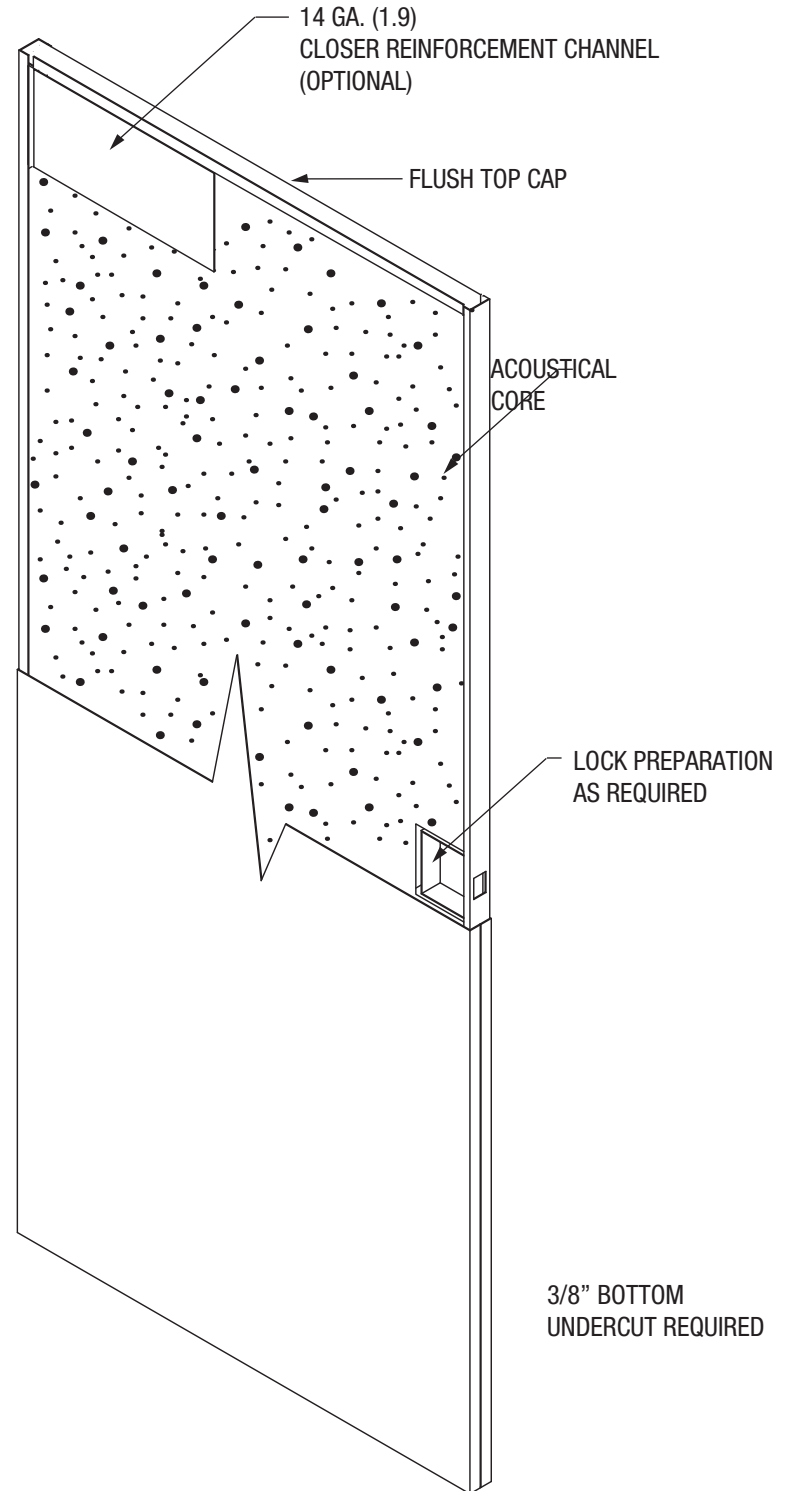
PEMKO S773
 PEMKO S88

BOTTOM:

PEMKO 2008 PK

MEETING EDGES:

PEMKO S88 (4)
 PEMKO 303AS (4)





May, 2016

**STANDARDS COMPLIANCE:**

ASTM E 90, ASTM E 1332, ASTM E2235, ASTM E413, SDI 128
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CONTACT FACTORY FOR DETAILS.

HARDWARE LIMITATIONS:

SURFACE VERTICAL ROD ONLY

FIRE RATING:

NON-RATED ONLY

OPENING SIZES:

MINIMUM SIZE - 4'0" X 6'8" PAIR
MAXIMUM SIZE - 8'0" X 8'0" PAIR

FACE TYPES:

FLUSH ONLY – NO LITES ALLOWED

SEAL SET #5:

(MAY VARY DEPENDING ON FEATURES/REQUIREMENTS OF OPENINGS)

PERIMETER:

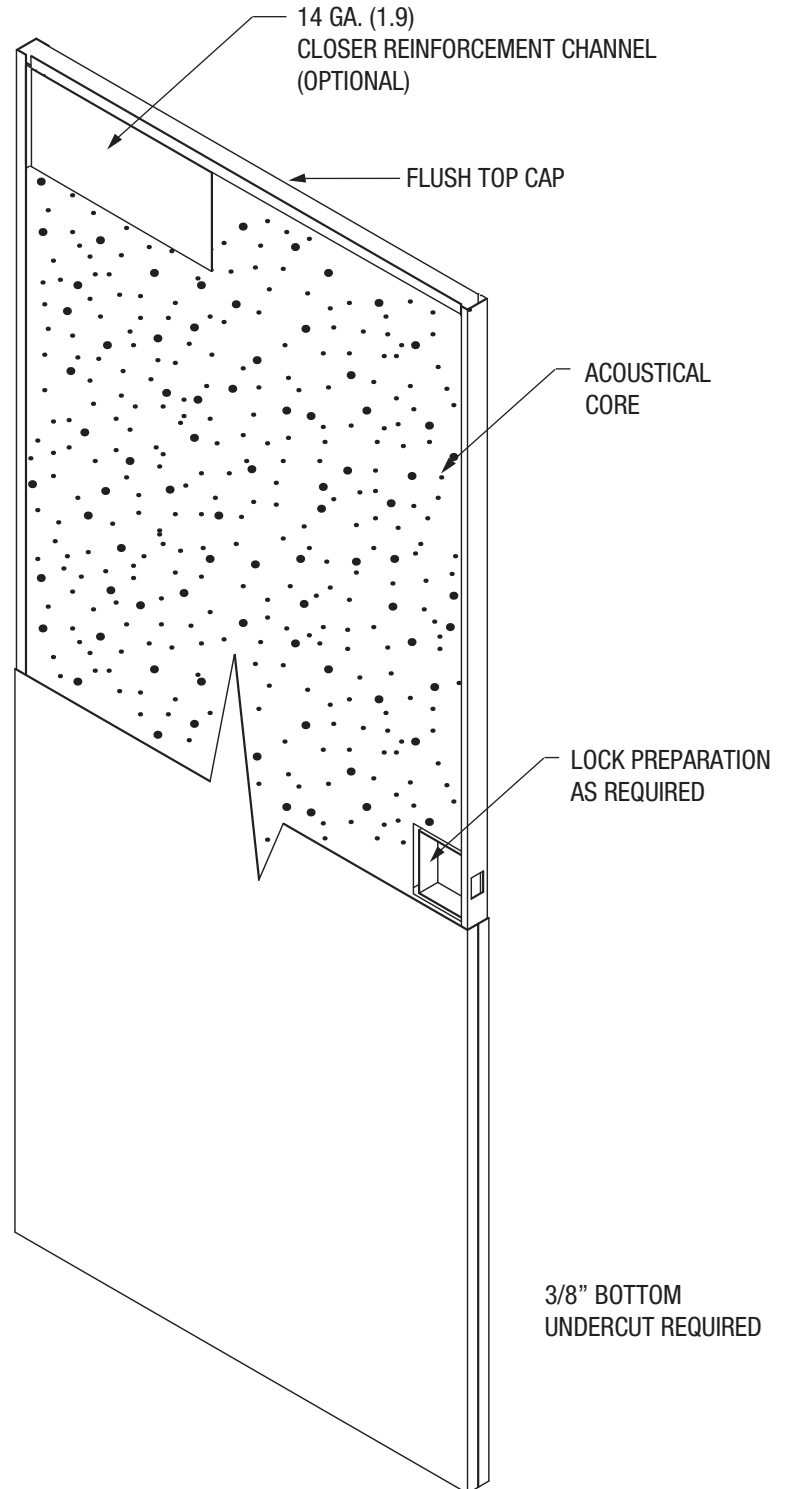
PEMKO S773
PEMKO S88

BOTTOM:

PEMKO 2008 PK

MEETING EDGES:

PEMKO S88 (4)
PEMKO 303AS (4)





STANDARDS COMPLIANCE:

ASTM E 90, ASTM E 1332, ASTM E2235, ASTM E413, SDI 128 AND HMMA 865

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FIRE RATING:

NON-RATED ONLY

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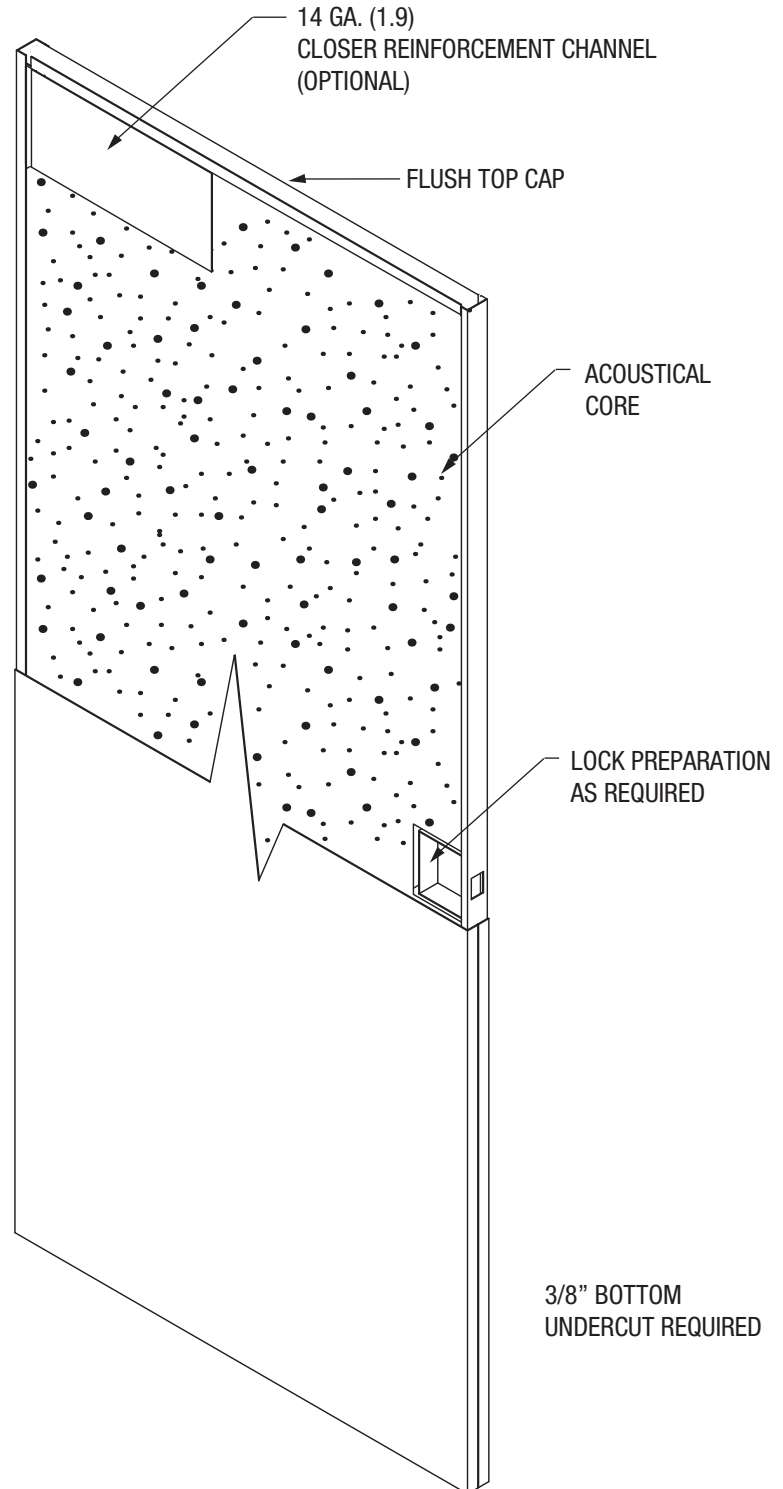
PEMKO S773
 PEMKO S88

BOTTOM:

PEMKO 2008 PK

MEETING EDGES:

PEMKO S88 (4)
 PEMKO 303AS (4)





May, 2016

**STANDARDS COMPLIANCE:**

ASTM E 90, ASTM E 1332, ASTM E2235, ASTM E413, SDI 128
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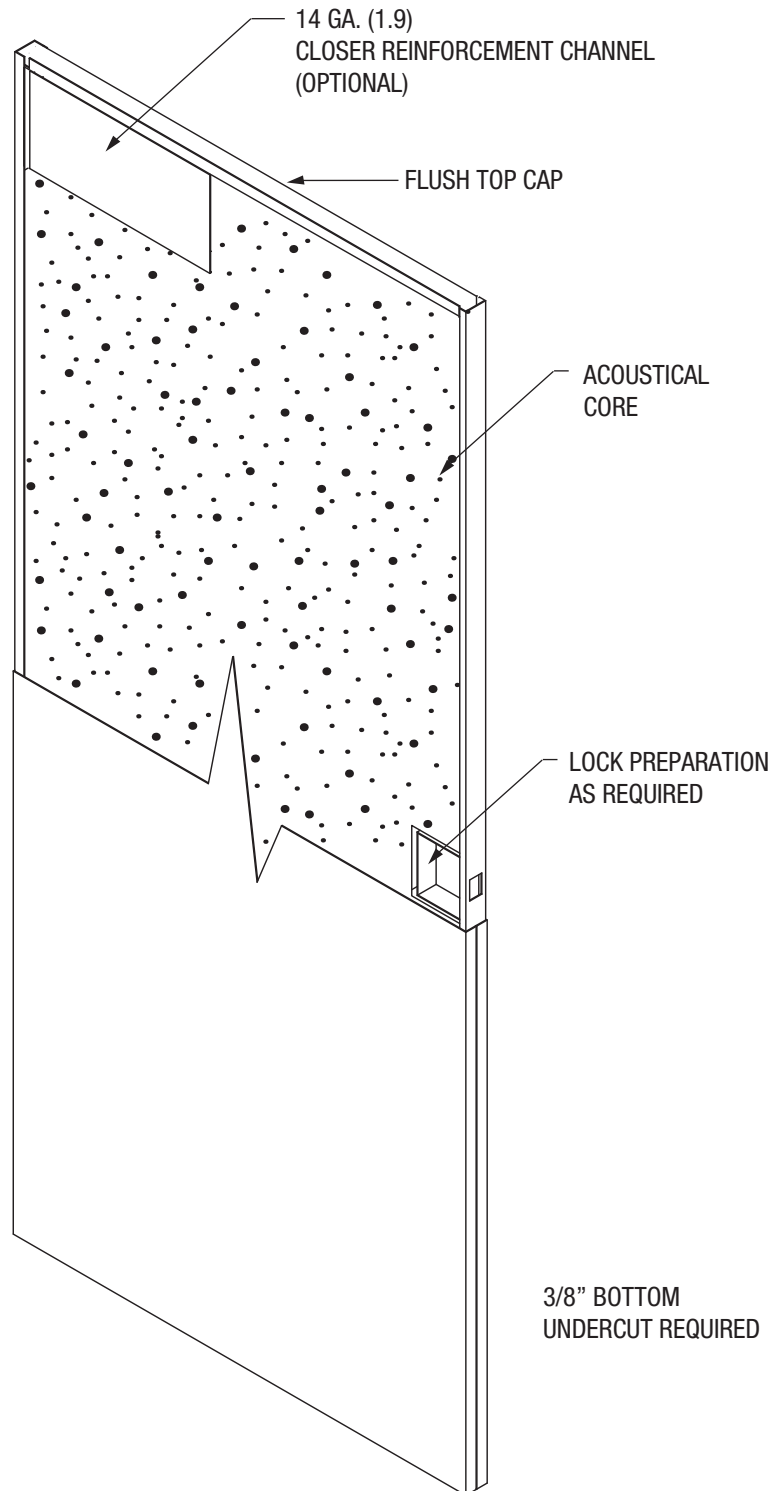
PEMKO S773
PEMKO S88

BOTTOM:

PEMKO 2008 PK

MEETING EDGES:

PEMKO S88 (4)
PEMKO 303AS (4)



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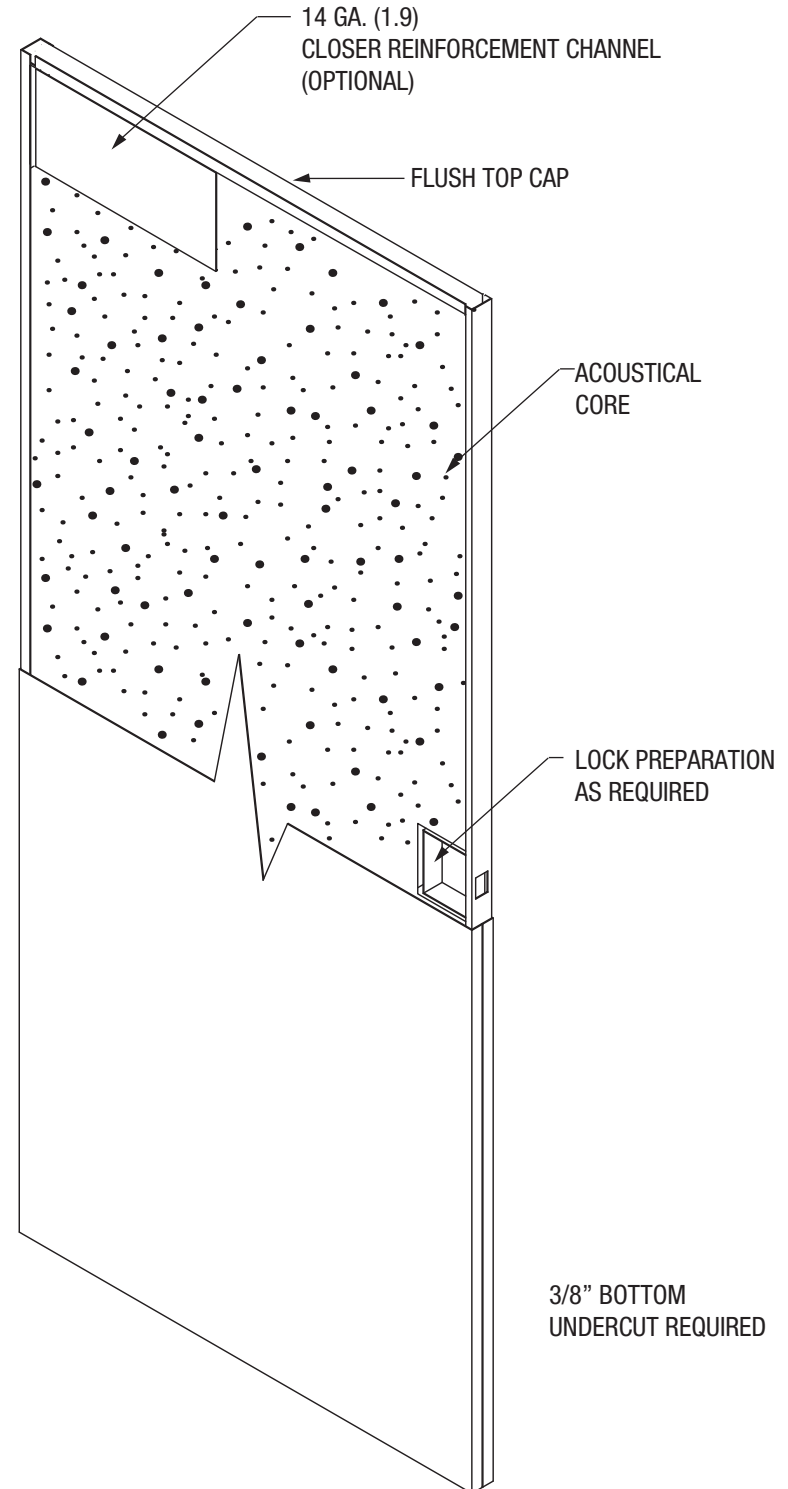
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PEMKO S88 (4)

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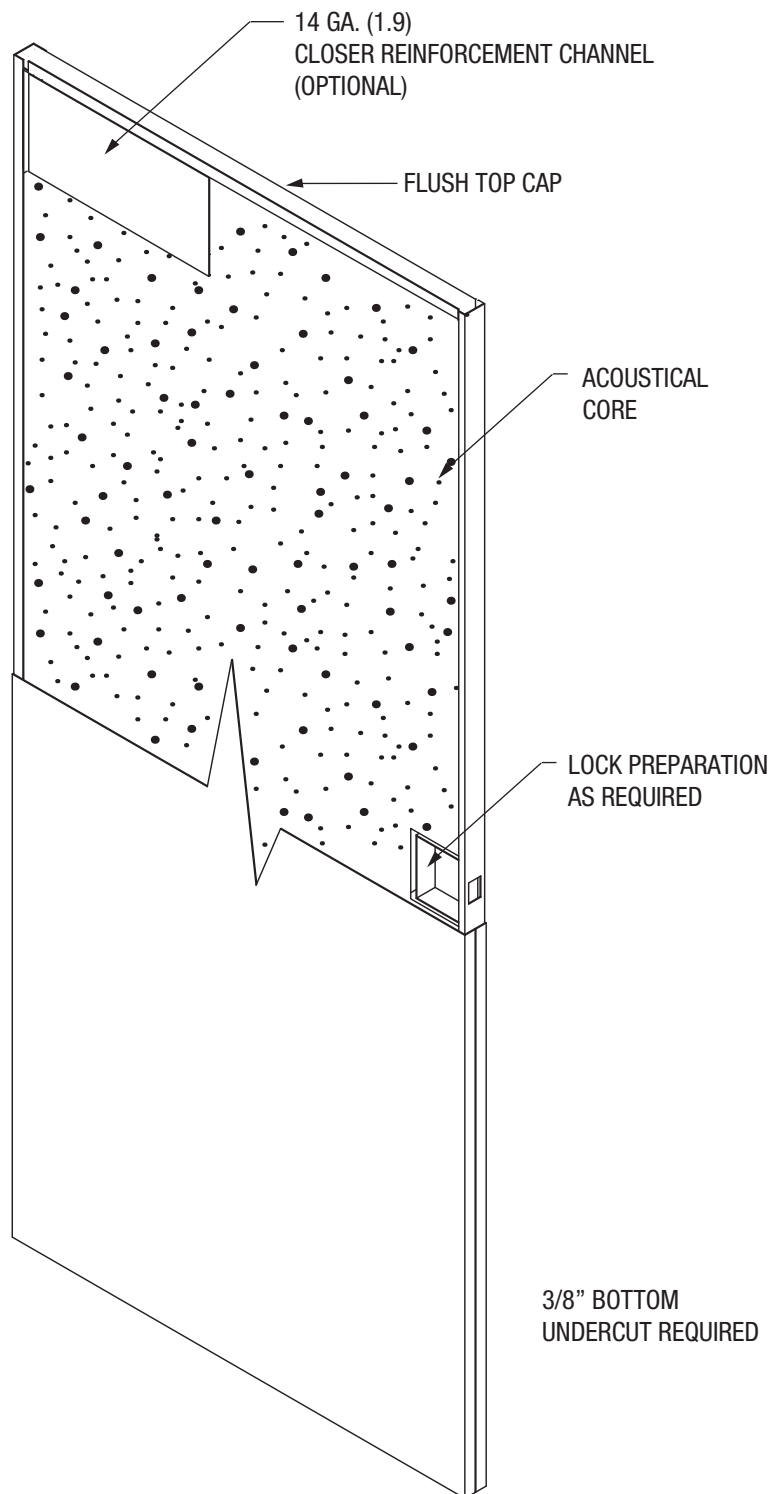
PEMKO S773
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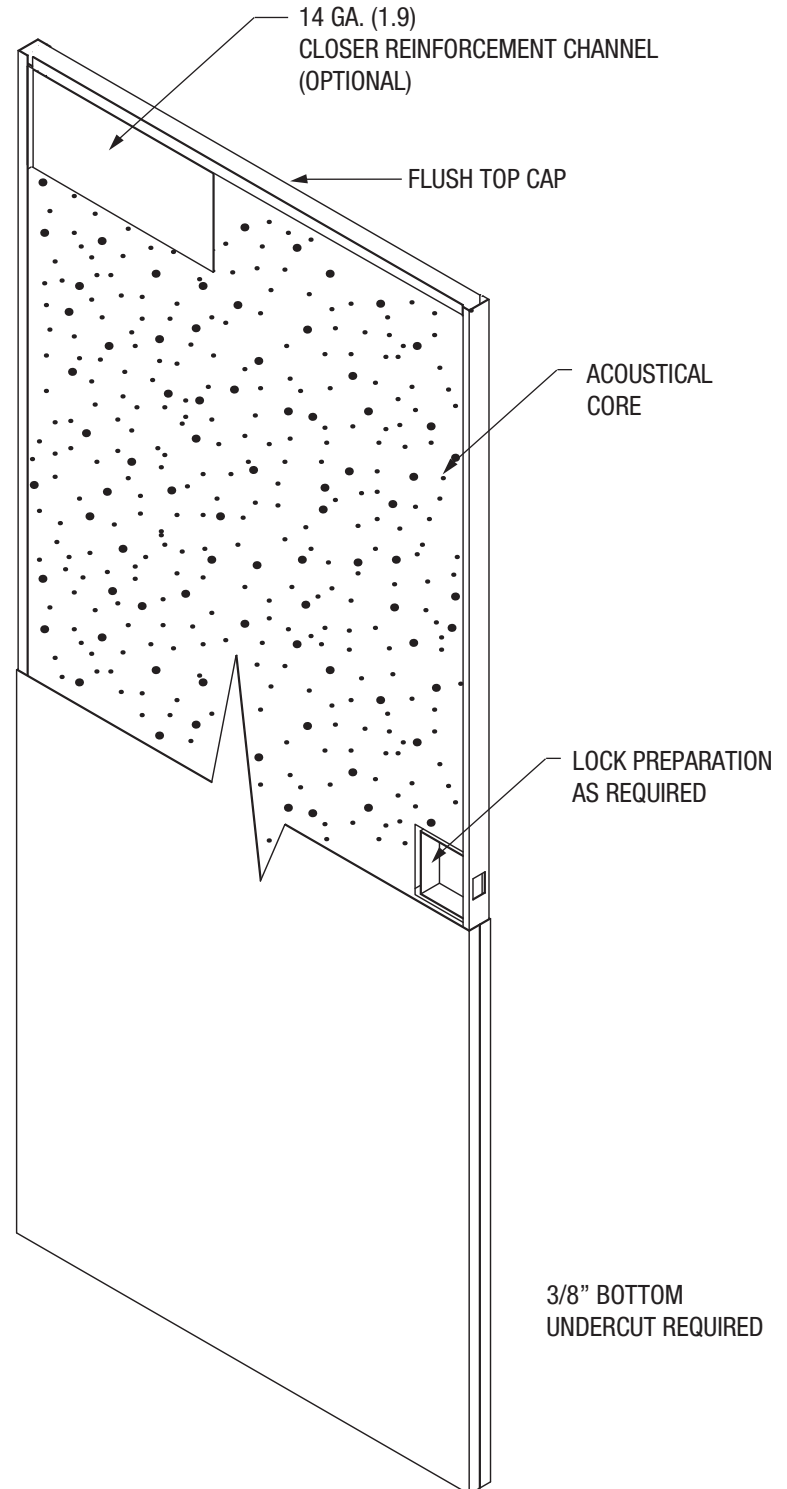
PEMKO S773
 PEMKO S88

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PEMKO 2008 PK

MEETING EDGES:

PEMKO S88 (4)
 PEMKO 303AS (4)





May, 2016

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PEMKO S773

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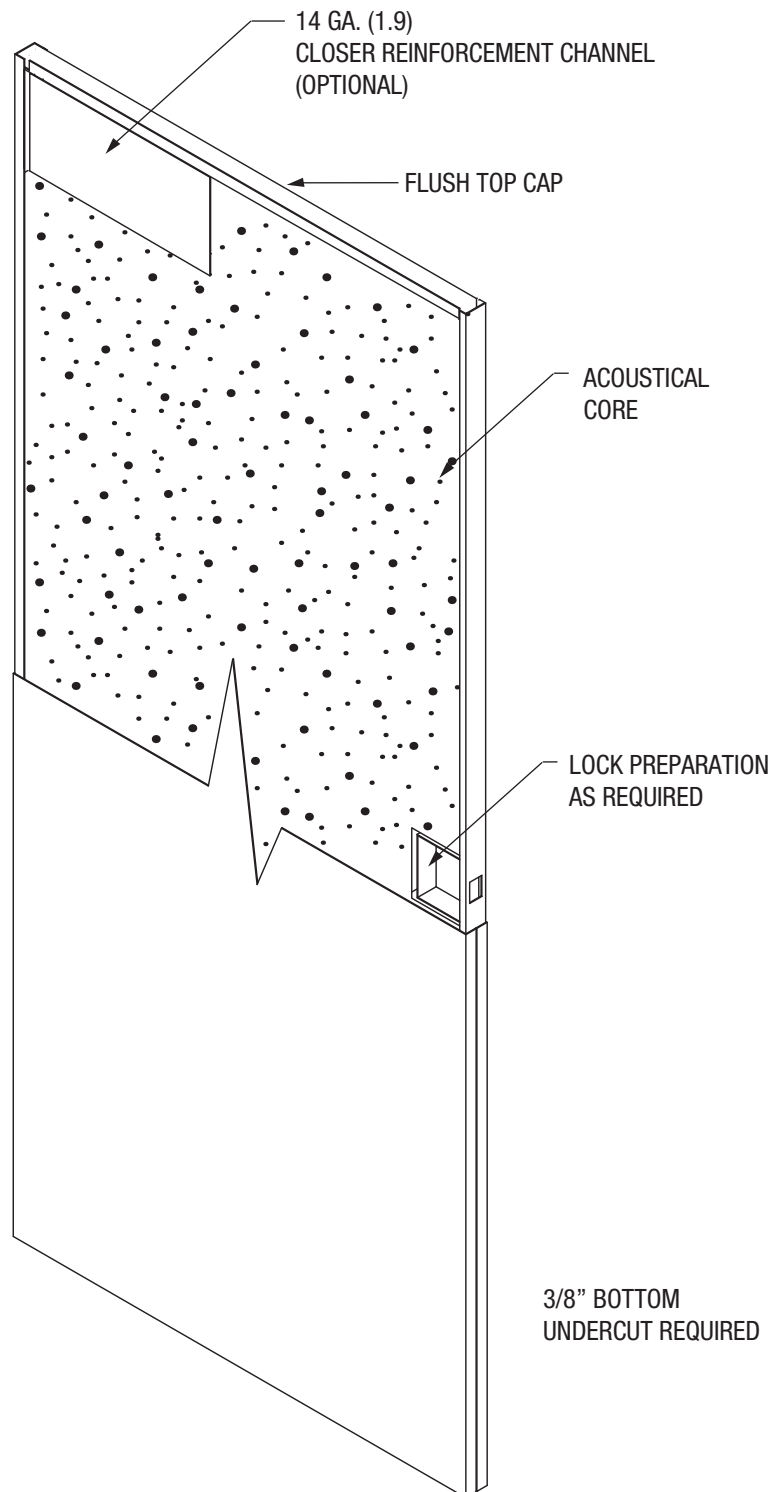
BOTTOM:

PEMKO 2008 PK

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PEMKO S88 (4)

PEMKO 303AS (4)



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HARDWARE LIMITATIONS:

SURFACE VERTICAL ROD ONLY

FIRE RATING:

NON-RATED ONLY

OPENING SIZES:

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MAXIMUM SIZE - 8'0" X 8'0" PAIR

FACE TYPES:

FLUSH ONLY – NO LITES ALLOWED

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(MAY VARY DEPENDING ON FEATURES/REQUIREMENTS OF OPENINGS)

PERIMETER:

PEMKO S773

PEMKO S88

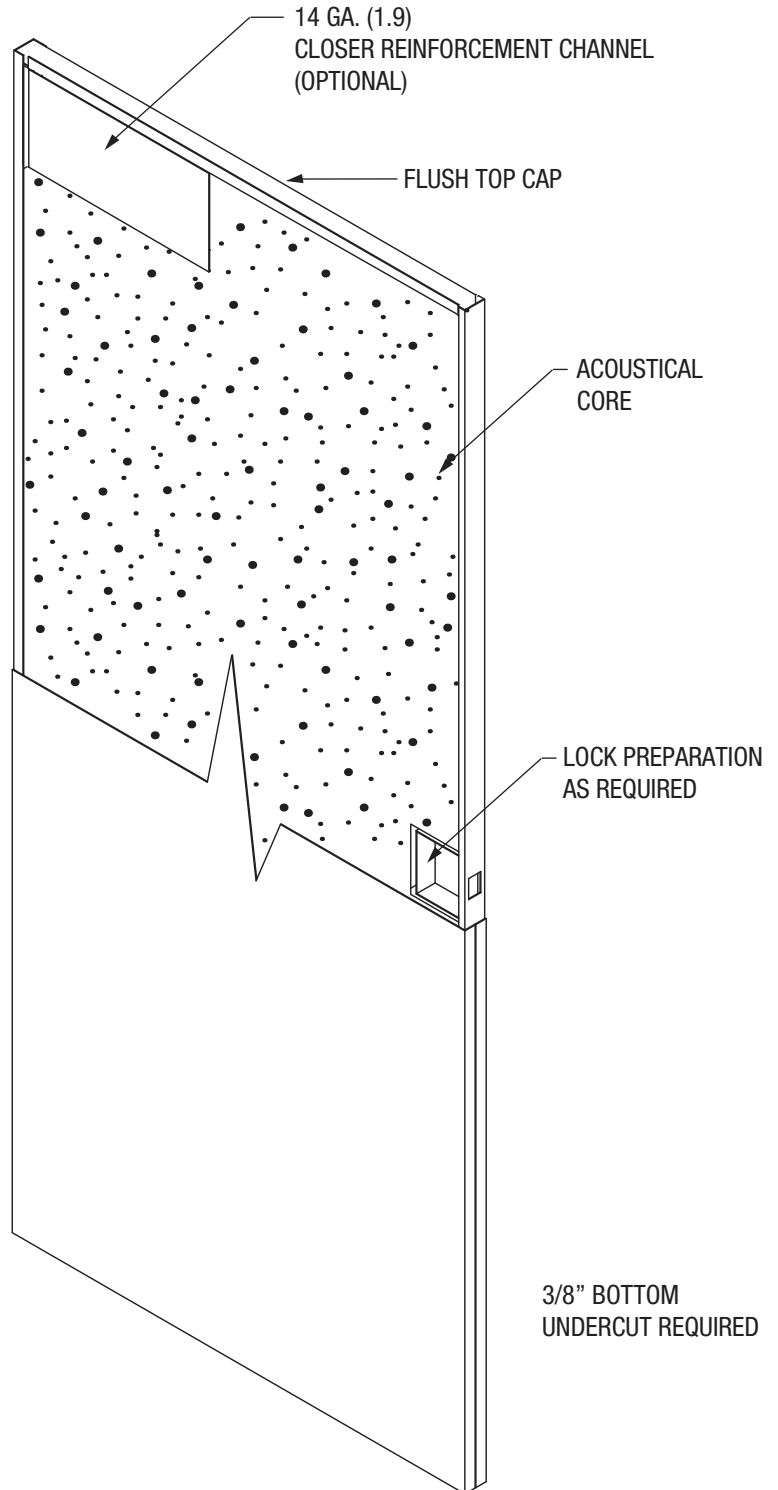
BOTTOM:

PEMKO 2008 PK

MEETING EDGES:

PEMKO S88 (4)

PEMKO 303AS (4)





May, 2016

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ASTM E 90, ASTM E 1332, ASTM E2235, ASTM E413, SDI 128
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CONTACT FACTORY FOR DETAILS.

HARDWARE LIMITATIONS:

SURFACE VERTICAL ROD ONLY

FIRE RATING:

NON-RATED ONLY

OPENING SIZES:

MINIMUM SIZE - 4'0" X 6'8" PAIR
MAXIMUM SIZE - 8'0" X 8'0" PAIR

FACE TYPES:

FLUSH ONLY – NO LITES ALLOWED

SEAL SET #13:

(MAY VARY DEPENDING ON FEATURES/REQUIREMENTS OF OPENINGS)

PERIMETER:

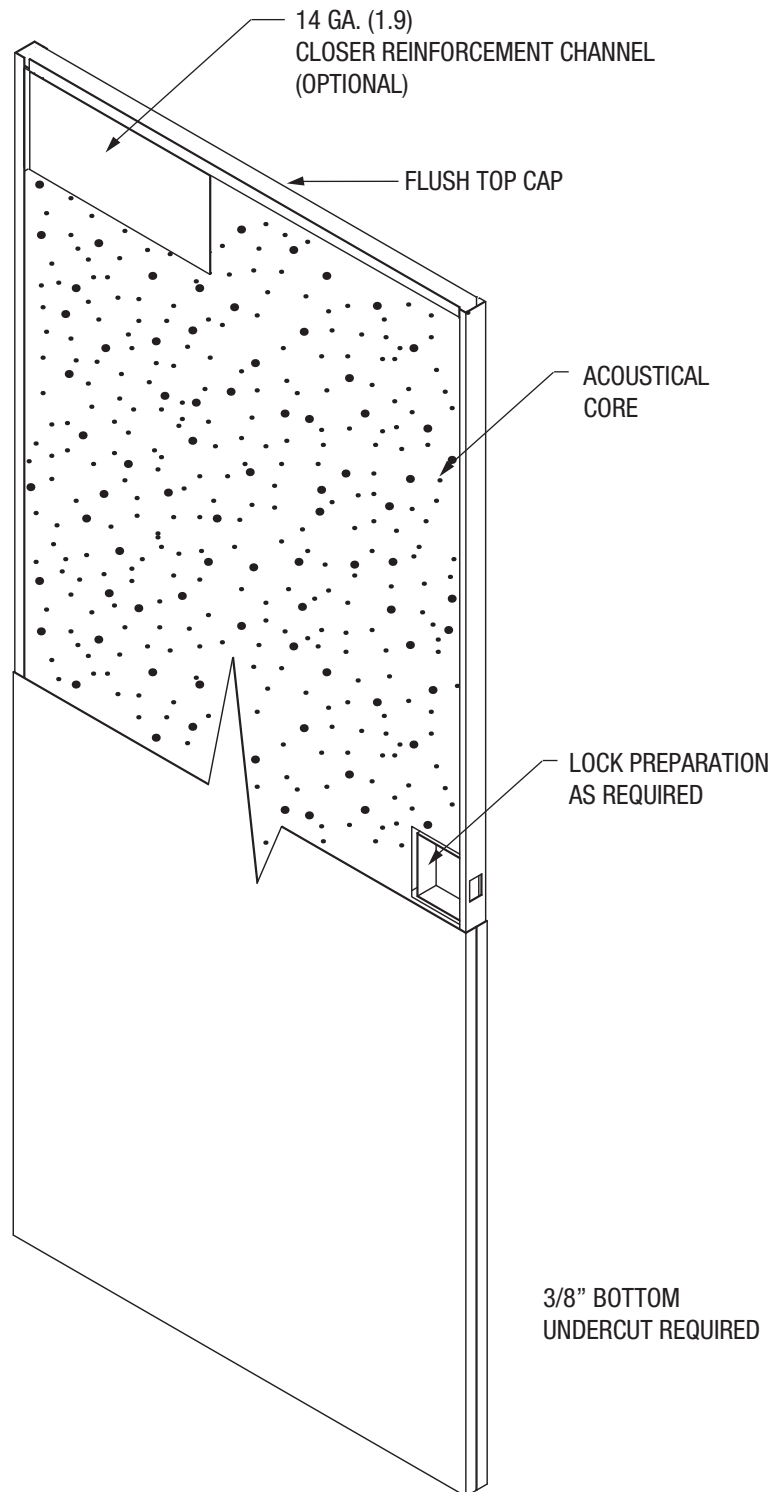
PEMKO S44
PEMKO S88
PEMKO S773

BOTTOM:

PEMKO 2008 PK
PEMKO ACP 112

MEETING EDGES:

PEMKO S88 (4)
PEMKO 303AS (4)



**STANDARDS COMPLIANCE:**

ASTM E 90, ASTM E 1332, ASTM E2235, ASTM E413, SDI 128 AND HMMA 865

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10. ALL SEALS & THRESHOLDS INCLUDED
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HARDWARE LIMITATIONS:

SURFACE VERTICAL ROD ONLY

FIRE RATING:

NON-RATED ONLY

OPENING SIZES:

MINIMUM SIZE - 4'0" X 6'8" PAIR

MAXIMUM SIZE - 8'0" X 8'0" PAIR

FACE TYPES:

FLUSH ONLY – NO LITES ALLOWED

SEAL SET #13:

(MAY VARY DEPENDING ON FEATURES/REQUIREMENTS OF OPENINGS)

PERIMETER:

PEMCO S44

PEMCO S88

PEMCO S773

BOTTOM:

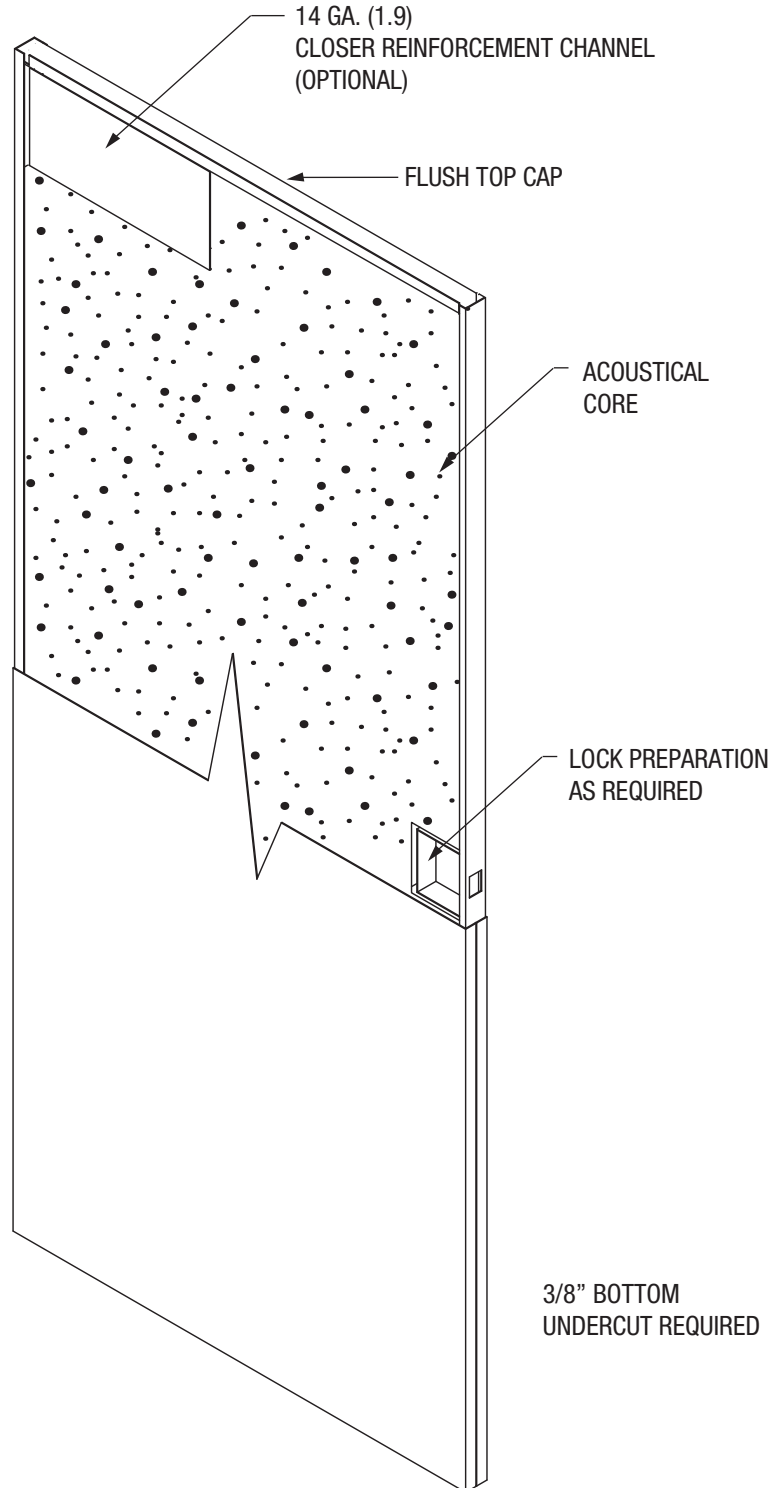
PEMCO 2008 PK

PEMCO ACP 112

MEETING EDGES:

PEMCO S88 (4)

PEMCO 303AS (4)



May, 2016

**STANDARDS COMPLIANCE:**

ASTM E 90, ASTM E 1332, ASTM E2235, ASTM E413, SDI 128
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HARDWARE LIMITATIONS:

STC 48 - CYLINDRICAL OR MORTISE ONLY
(REQUIRED SURFACE OF FLUSHBOLT WITH STRIP ON INACTIVE DOOR)

FIRE RATING:

3 HR. MAX.

OPENING SIZES:

MINIMUM SIZE - 4'0" X 6'8" PAIR
MAXIMUM SIZE - 8'0" X 8'0" PAIR

FACE TYPES:

FLUSH ONLY – NO LITES ALLOWED

SEAL SET #4:

(MAY VARY DEPENDING ON FEATURES/REQUIREMENTS OF OPENINGS)

PERIMETER:

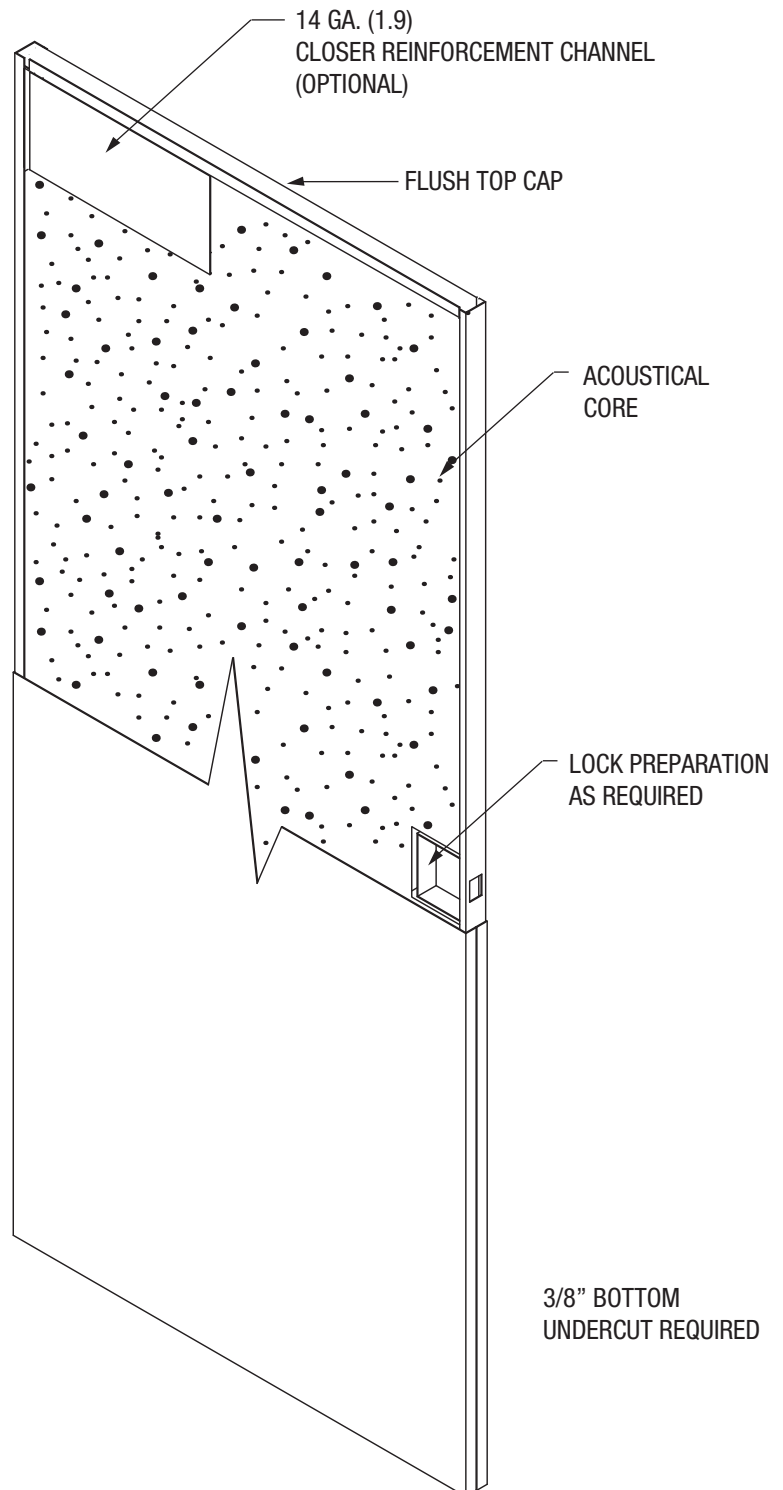
PEMKO S44
PEMKO S773
PEMKO S88

BOTTOM:

PEMKO 2008 PK
PEMKO ACP 112

MEETING EDGES:

PEMKO S88 (3)
PEMKO 303AS (2)
ASTRAGAL STRIP 4441



**STANDARDS COMPLIANCE:**

ASTM E 90, ASTM E 1332, ASTM E2235, ASTM E413, SDI 128
AND HMMA 865

NOTES:

1. MUTES NOT ALLOWED
2. SURFACE CLOSER ONLY
3. STC LABEL APPLIED TO DOOR ONLY
4. WALL CONSTRUCTION NEEDS TO BE EQUAL OR GREATER STC VALUE AS DOOR/FRAME
5. THE FRAME MUST BE MORTAR FILLED TO ACHIEVE THE STC RATING
6. 1-3/4" THICK DOORS
7. FRAMES MUST BE SINGLE OR DOUBLE RABBET, CONTINUOUSLY WELDED. 16 OR 14 GAUGE, STANDARD HOLLOW METAL FRAME
8. HINGES - 4-1/2" STANDARD OR HEAVYWEIGHT, 5" STANDARD OR HEAVYWEIGHT
9. ELECTRIC RACEWAYS ARE ALLOWED
10. ALL SEALS & THRESHOLDS INCLUDED
11. OTHER NON-TESTED ASSEMBLIES ARE AVAILABLE. CONTACT FACTORY FOR DETAILS

HARDWARE LIMITATIONS:

STC 49 - CYLINDRICAL ONLY
(REQUIRED SURFACE OF FLUSHBOLT WITH STRIP ON INACTIVE DOOR)

FIRE RATING:

3 HR. MAX.

OPENING SIZES:

MINIMUM SIZE - 4'0" X 6'8" PAIR
MAXIMUM SIZE - 8'0" X 8'0" PAIR

FACE TYPES:

FLUSH ONLY - NO LITES ALLOWED

SEAL SET #4:

(MAY VARY DEPENDING ON FEATURES/REQUIREMENTS OF OPENINGS)

PERIMETER:

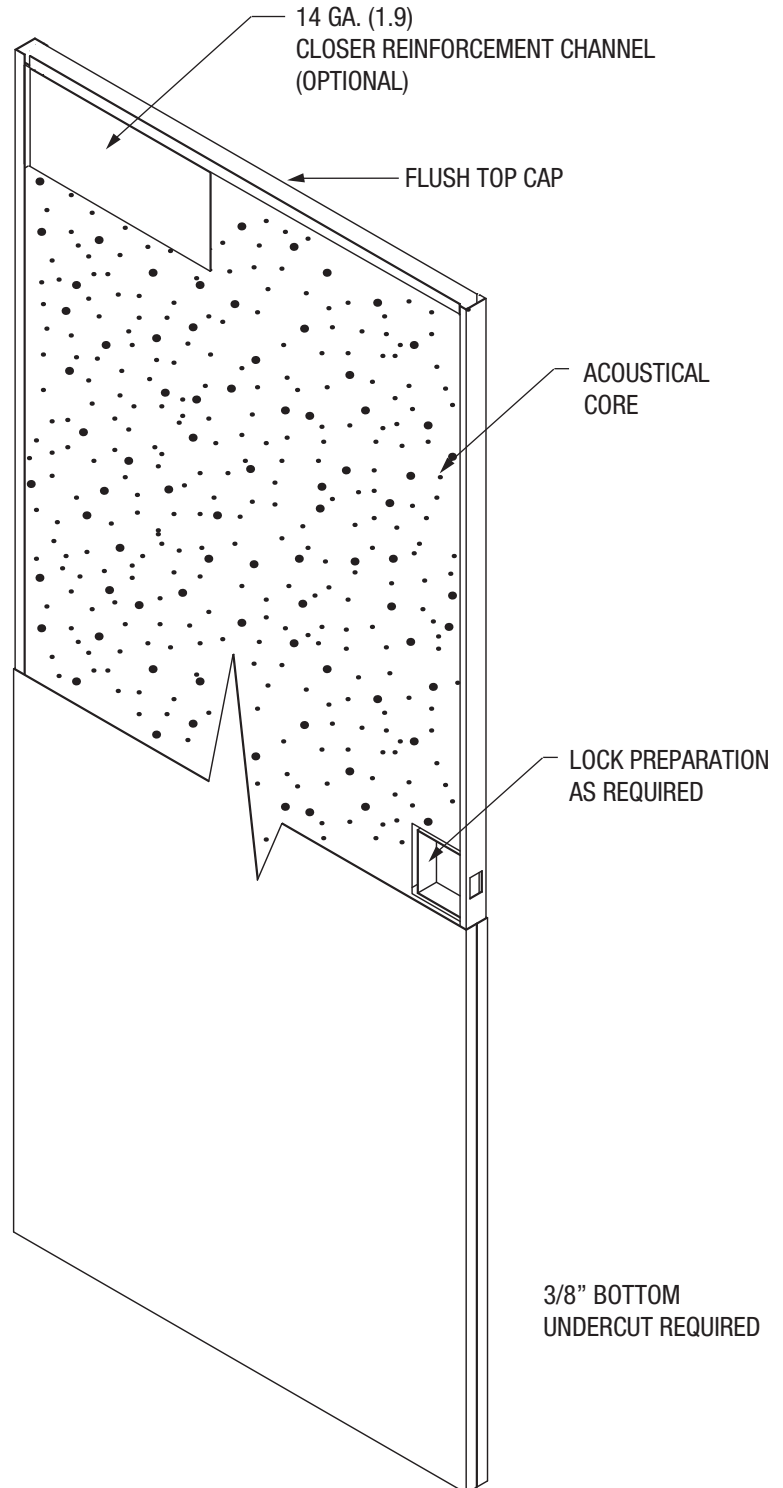
PEMKO S44
PEMKO S773
PEMKO S88

BOTTOM:

PEMKO 2008 PK
PEMKO ACP 112

MEETING EDGES:

PEMKO S88 (3)
PEMKO 303AS (2)
ASTRAGAL STRIP 4441





May, 2016

**STANDARDS COMPLIANCE:**

ASTM E 90, ASTM E 1332, ASTM E2235, ASTM E413, SDI 128
AND HMMA 865

NOTES:

1. MUTES NOT ALLOWED
2. SURFACE CLOSER ONLY
3. STC LABEL APPLIED TO DOOR ONLY
4. WALL CONSTRUCTION NEEDS TO BE EQUAL OR GREATER STC VALUE AS DOOR/FRAME
5. THE FRAME MUST BE MORTAR FILLED TO ACHIEVE THE STC RATING
6. 1-3/4" THICK DOORS
7. FRAMES MUST BE SINGLE OR DOUBLE RABBET, CONTINUOUSLY WELDED. 16 OR 14 GAUGE, STANDARD HOLLOW METAL FRAME
8. HINGES - 4-1/2" STANDARD OR HEAVYWEIGHT, 5" STANDARD OR HEAVYWEIGHT
9. ELECTRIC RACEWAYS ARE ALLOWED
10. ALL SEALS & THRESHOLDS INCLUDED
11. OTHER NON-TESTED ASSEMBLIES ARE AVAILABLE. CONTACT FACTORY FOR DETAILS.

HARDWARE LIMITATIONS:

MORTISE PANIC
CYLINDRICAL OR MORTISE LOCK
(CYLINDRICAL OR MORTISE LOCKS REQUIRE SURFACE OF FLUSHBOLTS WITH ASTRAGAL STRIP ON INACTIVE DOOR. MORTISE PANIC REQUIRES SURFACE VERTICAL ROD OR SURFACE OR FLUSHBOLTS WITH ASTRAGAL STRIP ON INACTIVE DOOR)

FIRE RATING:

3 HR. MAX.

OPENING SIZES:

MINIMUM SIZE - 4'0" X 6'8" PAIR
MAXIMUM SIZE - 8'0" X 8'0" PAIR

FACE TYPES:

FLUSH ONLY – NO LITES ALLOWED

SEAL SET #3:

(MAY VARY DEPENDING ON FEATURES/REQUIREMENTS OF OPENINGS)

PERIMETER:

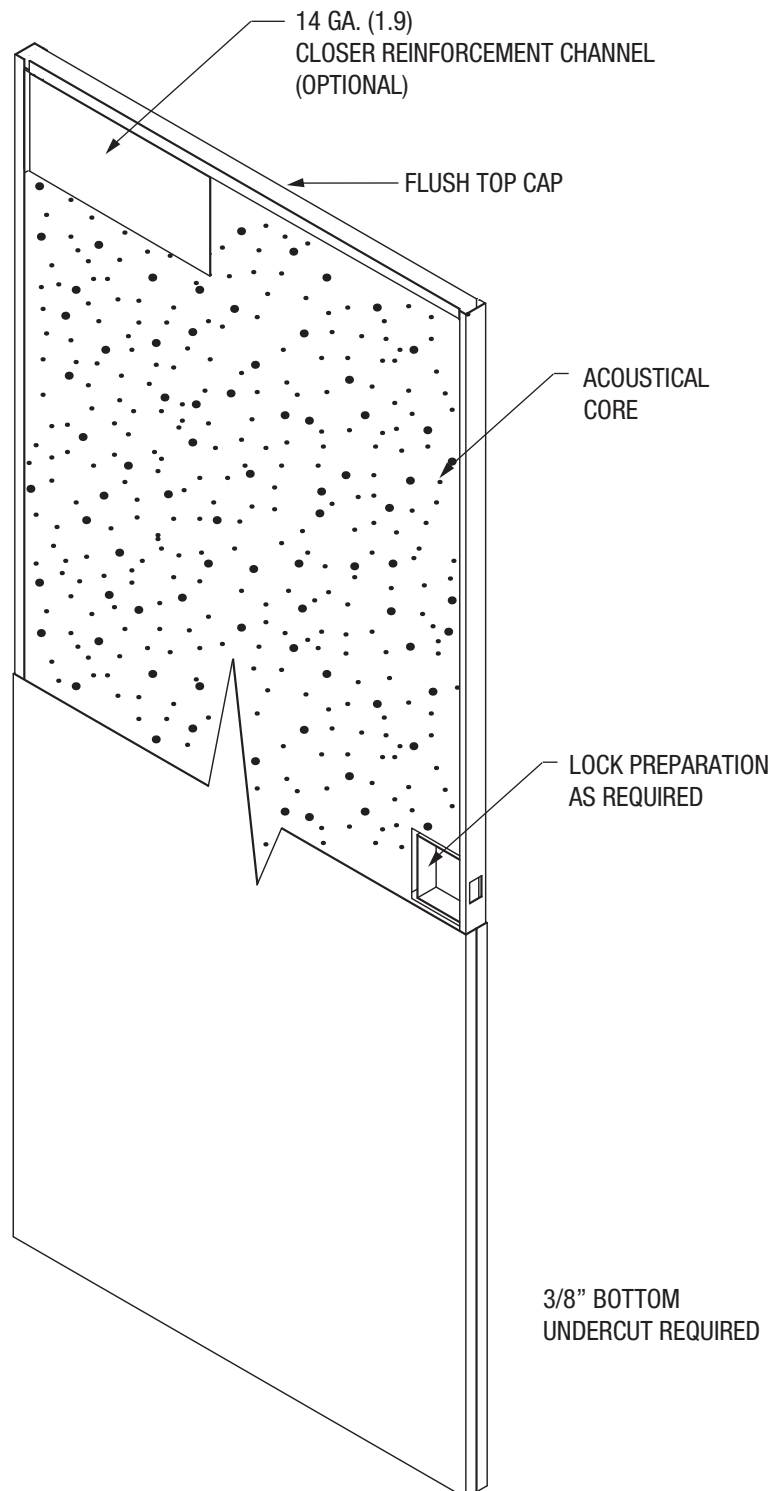
PEMKO S773
PEMKO S88

BOTTOM:

PEMKO 2008 PK

MEETING EDGES:

PEMKO S88 (3)
PEMKO 303AS (2)
ASTRAGAL STRIP 4441



**STANDARDS COMPLIANCE:**

ASTM E 90, ASTM E 1332, ASTM E2235, ASTM E413, SDI 128
AND HMMA 865

NOTES:

1. MUTES NOT ALLOWED
2. SURFACE CLOSER ONLY
3. STC LABEL APPLIED TO DOOR ONLY
4. WALL CONSTRUCTION NEEDS TO BE EQUAL OR GREATER STC VALUE AS DOOR/FRAME
5. THE FRAME MUST BE MORTAR FILLED TO ACHIEVE THE STC RATING
6. 1-3/4" THICK DOORS
7. FRAMES MUST BE SINGLE OR DOUBLE RABBET, CONTINUOUSLY WELDED. 16 OR 14 GAUGE, STANDARD HOLLOW METAL FRAME
8. HINGES - 4-1/2" STANDARD OR HEAVYWEIGHT, 5" STANDARD OR HEAVYWEIGHT
9. ELECTRIC RACEWAYS ARE ALLOWED
10. ALL SEALS & THRESHOLDS INCLUDED
11. OTHER NON-TESTED ASSEMBLIES ARE AVAILABLE. CONTACT FACTORY FOR DETAILS.

HARDWARE LIMITATIONS:

MORTISE PANIC
CYLINDRICAL OR MORTISE LOCK
(CYLINDRICAL OR MORTISE LOCKS REQUIRE SURFACE OF FLUSHBOLTS WITH ASTRAGAL STRIP ON INACTIVE DOOR. MORTISE PANIC REQUIRES SURFACE VERTICAL ROD OR SURFACE OR FLUSHBOLTS WITH ASTRAGAL STRIP ON INACTIVE DOOR)

FIRE RATING:

3 HR. MAX.

OPENING SIZES:

MINIMUM SIZE - 4'0" X 6'8" PAIR
MAXIMUM SIZE - 8'0" X 8'0" PAIR

FACE TYPES:

FLUSH ONLY – NO LITES ALLOWED

SEAL SET #3:

(MAY VARY DEPENDING ON FEATURES/REQUIREMENTS OF OPENINGS)

PERIMETER:

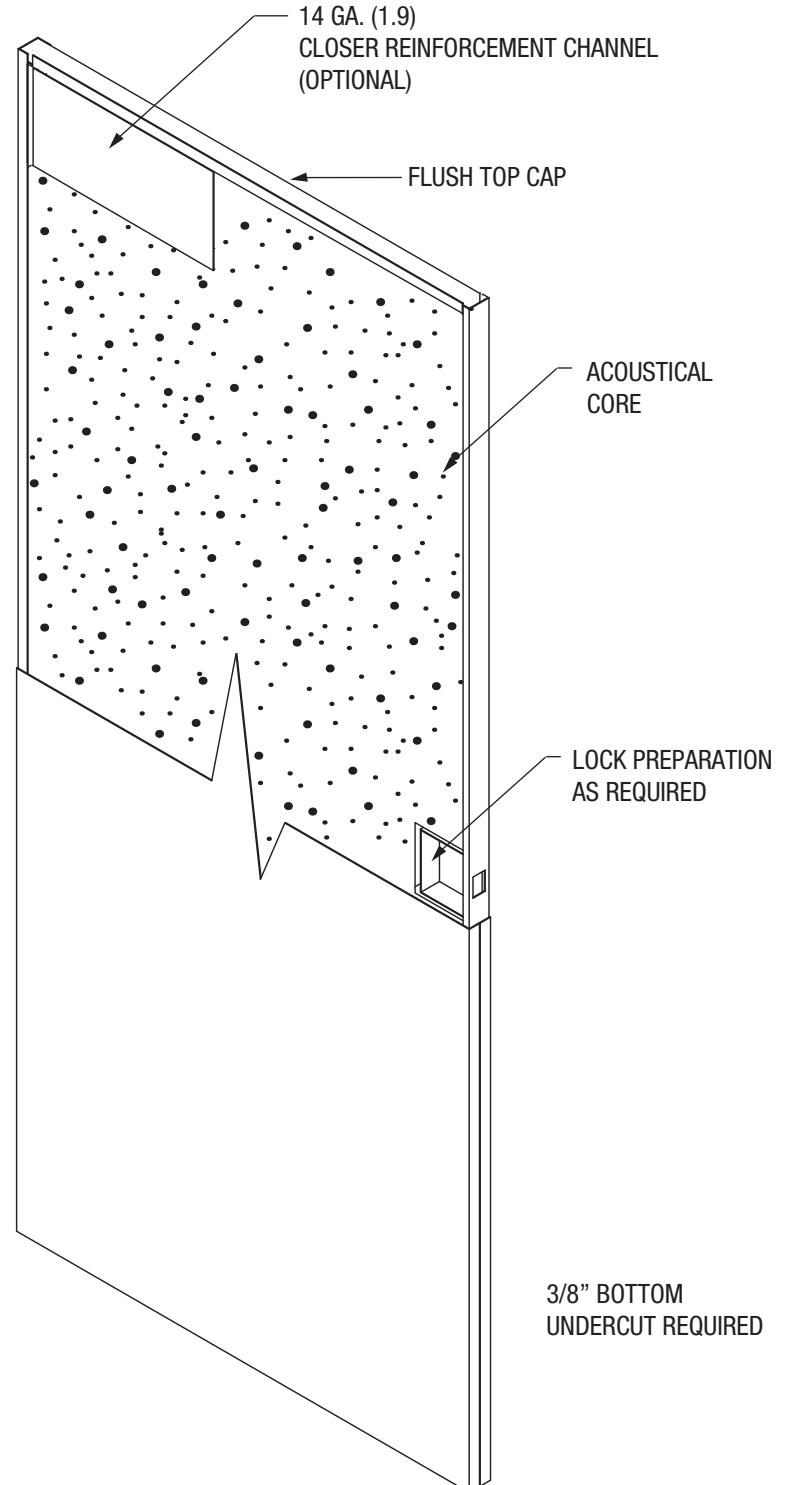
PEMKO S773
PEMKO S88

BOTTOM:

PEMKO 2008 PK

MEETING EDGES:

PEMKO S88 (3)
PEMKO 303AS (2)
ASTRAGAL STRIP 4441



May, 2016

**STANDARDS COMPLIANCE:**

ASTM E 90, ASTM E 1332, ASTM E2235, ASTM E413, SDI 128
AND HMMA 865

NOTES:

1. MUTES NOT ALLOWED
2. SURFACE CLOSER ONLY
3. STC LABEL APPLIED TO DOOR ONLY
4. WALL CONSTRUCTION NEEDS TO BE EQUAL OR GREATER STC VALUE AS DOOR/FRAME
5. THE FRAME MUST BE MORTAR FILLED TO ACHIEVE THE STC RATING
6. 1-3/4" THICK DOORS
7. FRAMES MUST BE SINGLE OR DOUBLE RABBET, CONTINUOUSLY WELDED. 16 OR 14 GAUGE, STANDARD HOLLOW METAL FRAME
8. HINGES - 4-1/2" STANDARD OR HEAVYWEIGHT, 5" STANDARD OR HEAVYWEIGHT
9. ELECTRIC RACEWAYS ARE ALLOWED
10. ALL SEALS & THRESHOLDS INCLUDED
11. OTHER NON-TESTED ASSEMBLIES ARE AVAILABLE. CONTACT FACTORY FOR DETAILS.

HARDWARE LIMITATIONS:

MORTISE PANIC
CYLINDRICAL OR MORTISE LOCK
(CYLINDRICAL OR MORTISE LOCKS REQUIRE SURFACE OF FLUSHBOLTS WITH ASTRAGAL STRIP ON INACTIVE DOOR. MORTISE PANIC REQUIRES SURFACE VERTICAL ROD OR SURFACE OR FLUSHBOLTS WITH ASTRAGAL STRIP ON INACTIVE DOOR)

FIRE RATING:

3 HR. MAX.

OPENING SIZES:

MINIMUM SIZE - 4'0" X 6'8" PAIR
MAXIMUM SIZE - 8'0" X 8'0" PAIR

FACE TYPES:

FLUSH ONLY – NO LITES ALLOWED

SEAL SET #3:

(MAY VARY DEPENDING ON FEATURES/REQUIREMENTS OF OPENINGS)

PERIMETER:

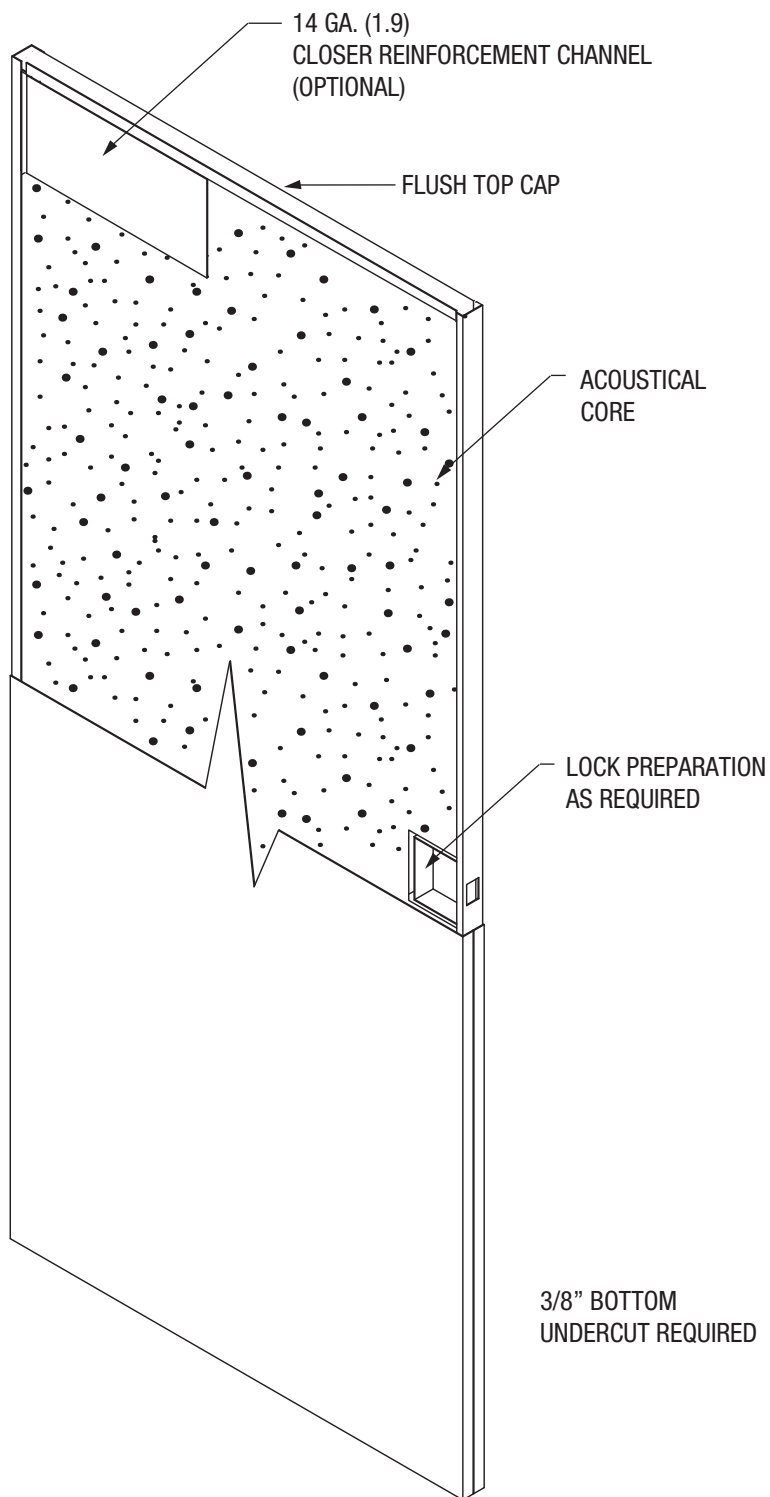
PEMKO S773
PEMKO S88

BOTTOM:

PEMKO 2008 PK

MEETING EDGES:

PEMKO S88 (3)
PEMKO 303AS (2)
ASTRAGAL STRIP 4441



**STANDARDS COMPLIANCE:**

ASTM E 90, ASTM E 1332, ASTM E2235, ASTM E413, SDI 128
AND HMMA 865

NOTES:

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3. STC LABEL APPLIED TO DOOR ONLY
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6. 1-3/4" THICK DOORS
7. FRAMES MUST BE SINGLE OR DOUBLE RABBET, CONTINUOUSLY WELDED. 16 OR 14 GAUGE, STANDARD HOLLOW METAL FRAME
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10. ALL SEALS & THRESHOLDS INCLUDED
11. OTHER NON-TESTED ASSEMBLIES ARE AVAILABLE. CONTACT FACTORY FOR DETAILS.

HARDWARE LIMITATIONS:

MORTISE PANIC
CYLINDRICAL OR MORTISE LOCK
(CYLINDRICAL OR MORTISE LOCKS REQUIRE SURFACE OF FLUSHBOLTS WITH ASTRAGAL STRIP ON INACTIVE DOOR. MORTISE PANIC REQUIRES SURFACE VERTICAL ROD OR SURFACE OR FLUSHBOLTS WITH ASTRAGAL STRIP ON INACTIVE DOOR)

FIRE RATING:

3 HR. MAX.

OPENING SIZES:

MINIMUM SIZE - 4'0" X 6'8" PAIR
MAXIMUM SIZE - 8'0" X 8'0" PAIR

FACE TYPES:

FLUSH ONLY – NO LITES ALLOWED

SEAL SET #3:

(MAY VARY DEPENDING ON FEATURES/REQUIREMENTS OF OPENINGS)

PERIMETER:

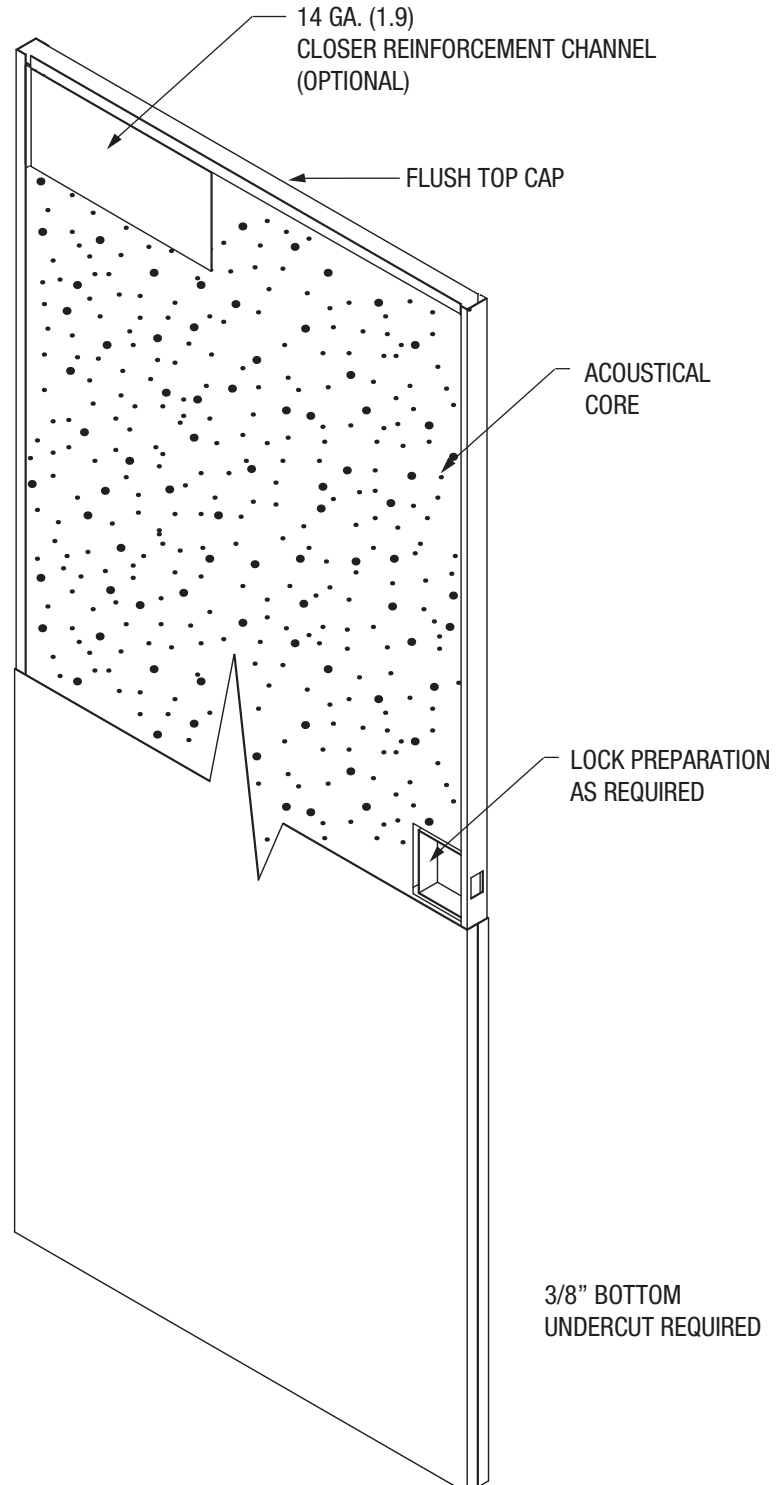
PEMKO S773
PEMKO S88

BOTTOM:

PEMKO 2008 PK

MEETING EDGES:

PEMKO S88 (3)
PEMKO 303AS (2)
ASTRAGAL STRIP 4441





May, 2016

**STANDARDS COMPLIANCE:**

ASTM E 90, ASTM E 1332, ASTM E2235, ASTM E413, SDI 128
AND HMMA 865

NOTES:

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7. FRAMES MUST BE SINGLE OR DOUBLE RABBET, CONTINUOUSLY WELDED. 16 OR 14 GAUGE, STANDARD HOLLOW METAL FRAME
8. HINGES - 4-1/2" STANDARD OR HEAVYWEIGHT, 5" STANDARD OR HEAVYWEIGHT
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10. ALL SEALS & THRESHOLDS INCLUDED
11. OTHER NON-TESTED ASSEMBLIES ARE AVAILABLE. CONTACT FACTORY FOR DETAILS.

HARDWARE LIMITATIONS:

MORTISE PANIC
CYLINDRICAL OR MORTISE LOCK
(CYLINDRICAL OR MORTISE LOCKS REQUIRE SURFACE OF FLUSHBOLTS WITH ASTRAGAL STRIP ON INACTIVE DOOR. MORTISE PANIC REQUIRES SURFACE VERTICAL ROD OR SURFACE OR FLUSHBOLTS WITH ASTRAGAL STRIP ON INACTIVE DOOR)

FIRE RATING:

3 HR. MAX.

OPENING SIZES:

MINIMUM SIZE - 4'0" X 6'8" PAIR
MAXIMUM SIZE - 8'0" X 8'0" PAIR

FACE TYPES:

FLUSH ONLY – NO LITES ALLOWED

SEAL SET #3:

(MAY VARY DEPENDING ON FEATURES/REQUIREMENTS OF OPENINGS)

PERIMETER:

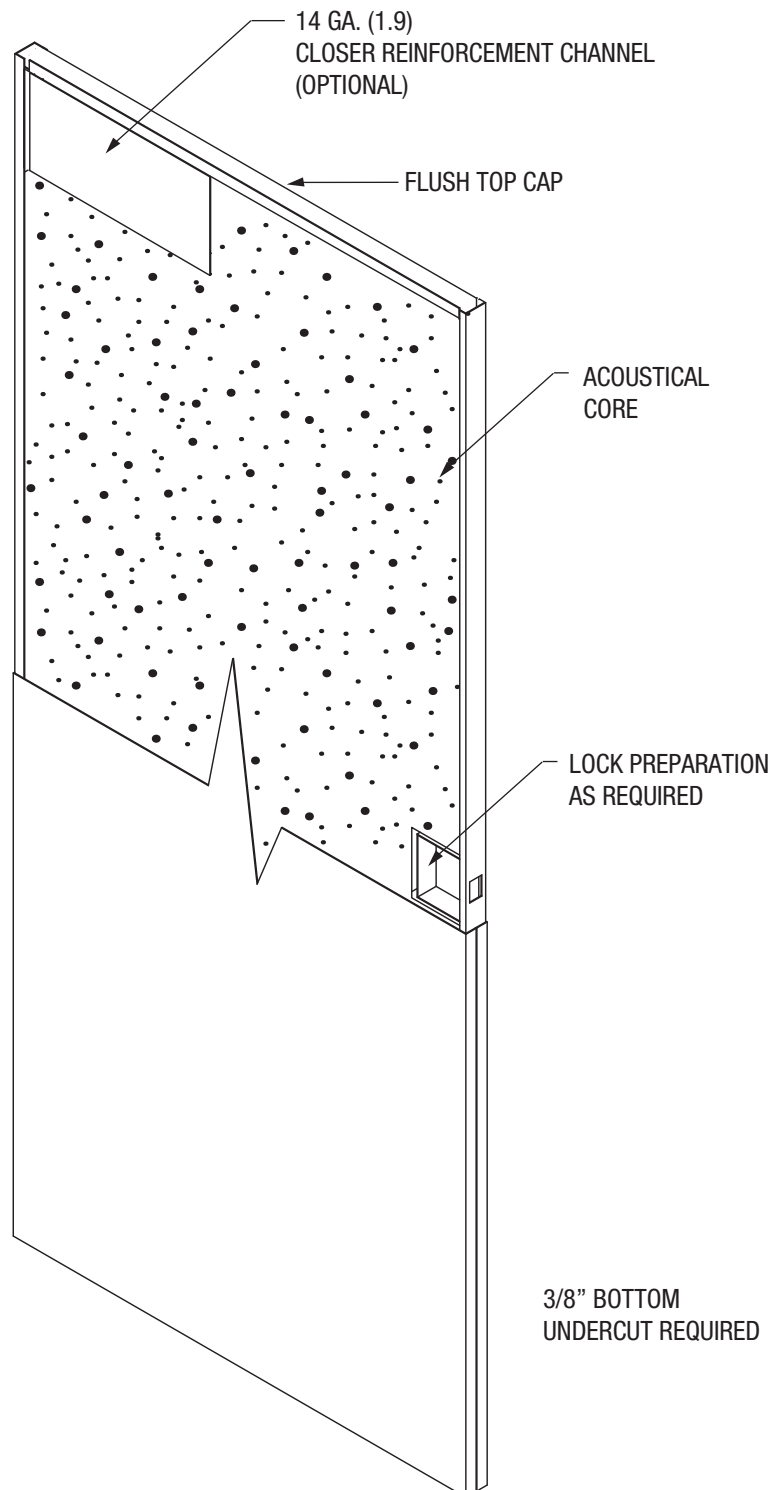
PEMKO S773
PEMKO S88

BOTTOM:

PEMKO 2008 PK

MEETING EDGES:

PEMKO S88 (3)
PEMKO 303AS (2)
ASTRAGAL STRIP 4441



**STANDARDS COMPLIANCE:**

ASTM E 90, ASTM E 1332, ASTM E2235, ASTM E413, SDI 128
AND HMMA 865

NOTES:

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5. THE FRAME MUST BE MORTAR FILLED TO ACHIEVE THE STC RATING
6. 1-3/4" THICK DOORS
7. FRAMES MUST BE SINGLE OR DOUBLE RABBET, CONTINUOUSLY WELDED. 16 OR 14 GAUGE, STANDARD HOLLOW METAL FRAME
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10. ALL SEALS & THRESHOLDS INCLUDED
11. OTHER NON-TESTED ASSEMBLIES ARE AVAILABLE. CONTACT FACTORY FOR DETAILS.

HARDWARE LIMITATIONS:

MORTISE PANIC
CYLINDRICAL OR MORTISE LOCK
(CYLINDRICAL OR MORTISE LOCKS REQUIRE SURFACE OF FLUSHBOLTS WITH ASTRAGAL STRIP ON INACTIVE DOOR. MORTISE PANIC REQUIRES SURFACE VERTICAL ROD OR SURFACE OR FLUSHBOLTS WITH ASTRAGAL STRIP ON INACTIVE DOOR)

FIRE RATING:

3 HR. MAX.

OPENING SIZES:

MINIMUM SIZE - 4'0" X 6'8" PAIR
MAXIMUM SIZE - 8'0" X 8'0" PAIR

FACE TYPES:

FLUSH ONLY – NO LITES ALLOWED

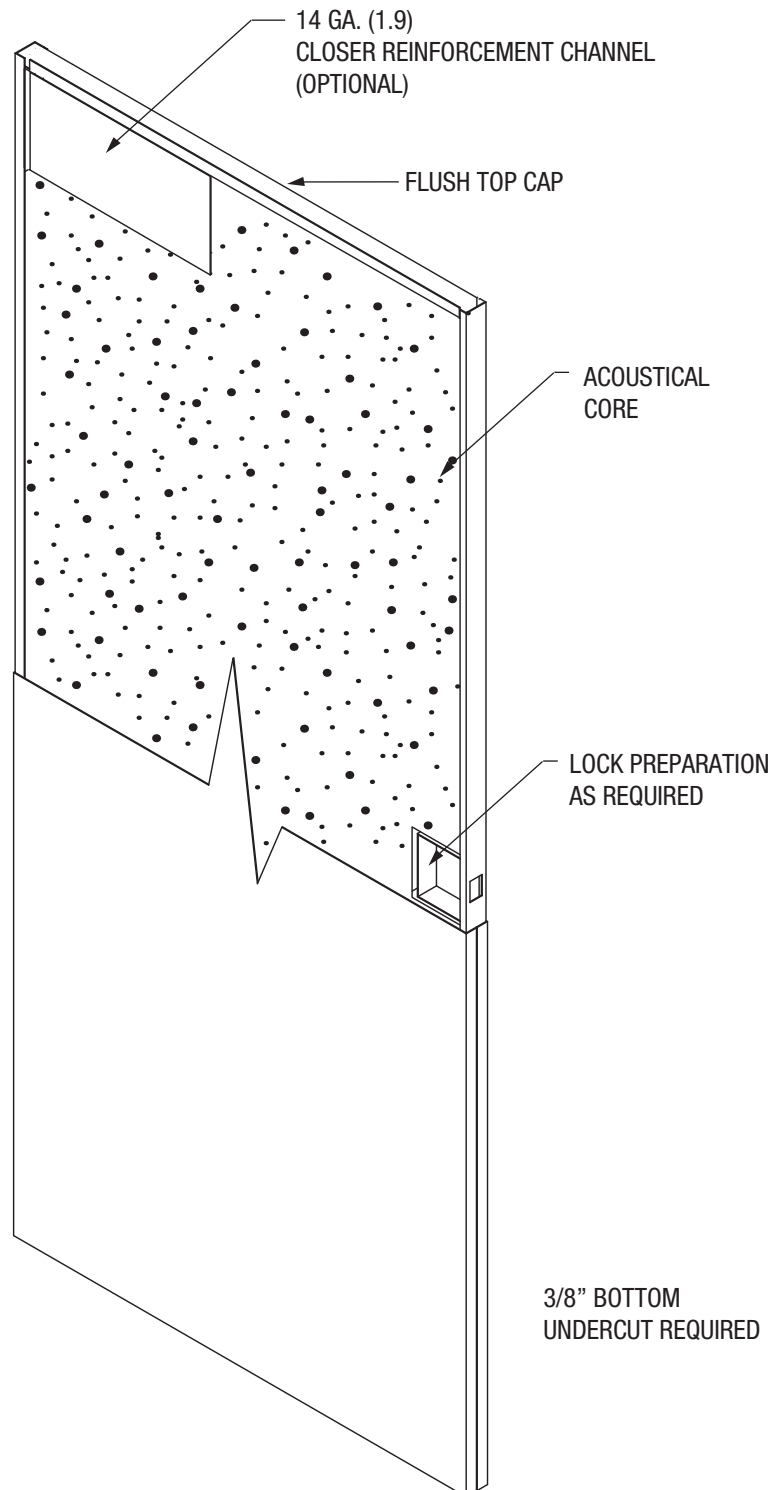
SEAL SET #3:

(MAY VARY DEPENDING ON FEATURES/REQUIREMENTS OF OPENINGS)

PERIMETER:
PEMKO S773
PEMKO S88

BOTTOM:
PEMKO 2008 PK

MEETING EDGES:
PEMKO S88 (3)
PEMKO 303AS (2)
ASTRAGAL STRIP 4441



April, 2017

**STANDARDS COMPLIANCE:**

ASTM E 90, ASTM E 1332, ASTM E2235, ASTM E413, SDI 128
AND HMMMA 865

NOTES:

1. MUTES NOT ALLOWED
2. SURFACE CLOSER ONLY
3. STC LABEL APPLIED TO DOOR ONLY
4. WALL CONSTRUCTION NEEDS TO BE EQUAL OR GREATER STC VALUE AS DOOR/FRAME
5. THE FRAME MUST BE MORTAR FILLED TO ACHIEVE THE STC RATING
6. 1-3/4" THICK DOORS
7. FRAMES MUST BE SINGLE OR DOUBLE RABBET, CONTINUOUSLY WELDED. 16 OR 14 GAUGE, STANDARD HOLLOW METAL FRAME
8. HINGES - 4-1/2" STANDARD OR HEAVYWEIGHT, 5" STANDARD OR HEAVYWEIGHT
9. ELECTRIC RACEWAYS ARE ALLOWED
10. ALL SEALS & THRESHOLDS INCLUDED
11. OTHER NON-TESTED ASSEMBLIES ARE AVAILABLE. CONTACT FACTORY FOR DETAILS.

HARDWARE LIMITATIONS:

MORTISE PANIC
CYLINDRICAL OR MORTISE LOCK
(CYLINDRICAL OR MORTISE LOCKS REQUIRE SURFACE OF FLUSHBOLTS WITH ASTRAGAL STRIP ON INACTIVE DOOR. MORTISE PANIC REQUIRES SURFACE VERTICAL ROD OR SURFACE OF FLUSHBOLTS WITH ASTRAGAL STRIP ON INACTIVE DOOR)

FIRE RATING:

3 HR. MAX.

OPENING SIZES:

MINIMUM SIZE - 4'0" X 6'8" PAIR

MAXIMUM SIZE - 8'0" X 8'0" PAIR

FACE TYPES:

FLUSH ONLY – NO LITES ALLOWED

SEAL SET #3:

(MAY VARY DEPENDING ON FEATURES/REQUIREMENTS OF OPENINGS)

PERIMETER:

PEMKO S773

PEMKO S88

BOTTOM:

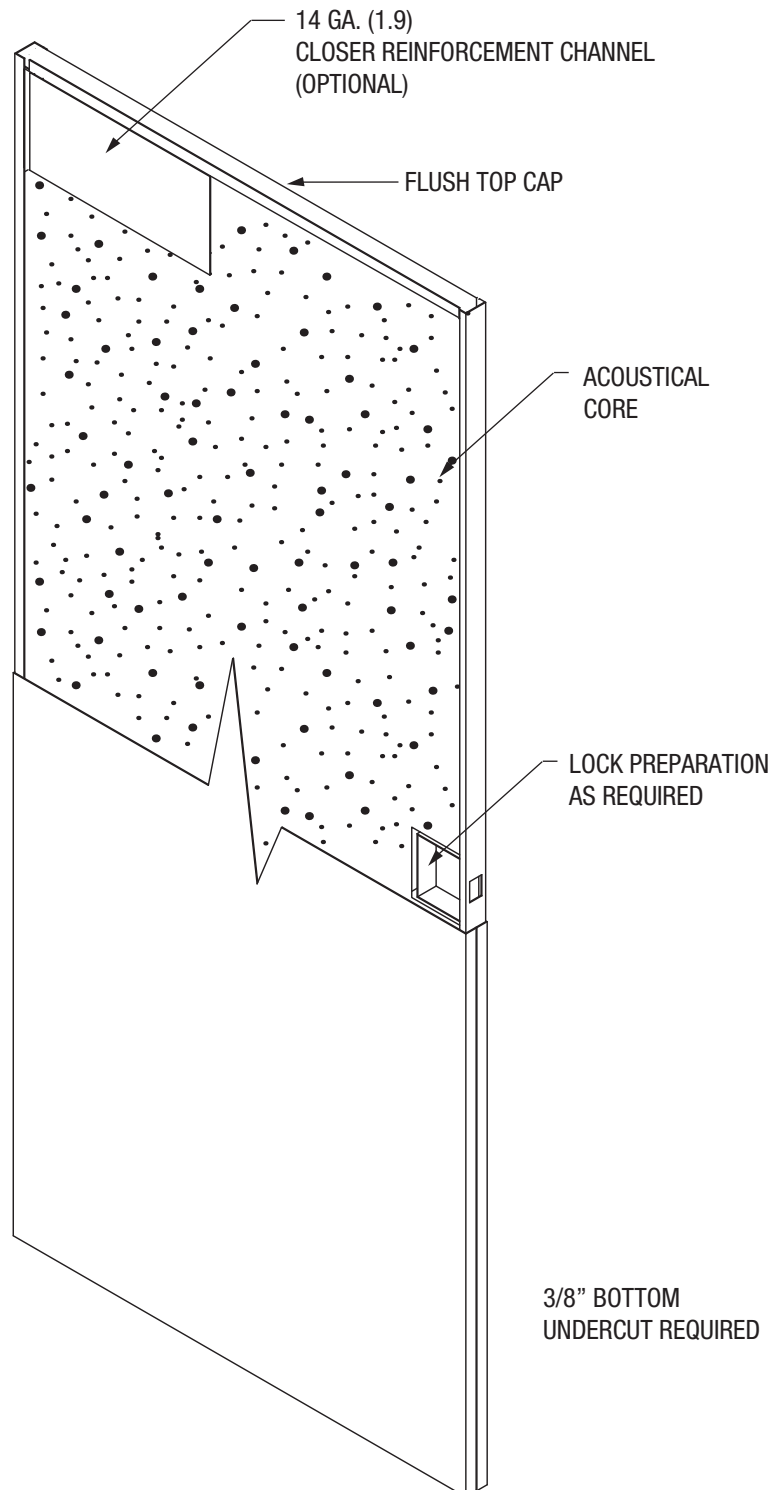
PEMKO 2008 PK

MEETING EDGES:

PEMKO S88 (3)

PEMKO 303AS (2)

ASTRAGAL STRIP 4441




STANDARDS COMPLIANCE:

ASTM E 90, ASTM E 1332, ASTM E2235, ASTM E413, SDI 128
AND HMMA 865

NOTES:

1. MUTES NOT ALLOWED
2. SURFACE CLOSER ONLY
3. STC LABEL APPLIED TO DOOR ONLY
4. WALL CONSTRUCTION NEEDS TO BE EQUAL OR GREATER STC VALUE AS DOOR/FRAME
5. THE FRAME MUST BE MORTAR FILLED TO ACHIEVE THE STC RATING
6. 1-3/4" THICK DOORS
7. FRAMES MUST BE SINGLE OR DOUBLE RABBET, CONTINUOUSLY WELDED. 16 OR 14 GAUGE, STANDARD HOLLOW METAL FRAME
8. HINGES - 4-1/2" STANDARD OR HEAVYWEIGHT, 5" STANDARD OR HEAVYWEIGHT
9. ELECTRIC RACEWAYS ARE ALLOWED
10. ALL SEALS & THRESHOLDS INCLUDED
11. OTHER NON-TESTED ASSEMBLIES ARE AVAILABLE. CONTACT FACTORY FOR DETAILS.

HARDWARE LIMITATIONS:

MORTISE PANIC
CYLINDRICAL OR MORTISE LOCK
(CYLINDRICAL OR MORTISE LOCKS REQUIRE SURFACE OF FLUSHBOLTS WITH ASTRAGAL STRIP ON INACTIVE DOOR. MORTISE PANIC REQUIRES SURFACE VERTICAL ROD OR SURFACE OR FLUSHBOLTS WITH ASTRAGAL STRIP ON INACTIVE DOOR)

FIRE RATING:

3 HR. MAX.

OPENING SIZES:

MINIMUM SIZE - 4'0" X 6'8" PAIR
MAXIMUM SIZE - 8'0" X 8'0" PAIR

FACE TYPES:

FLUSH ONLY – NO LITES ALLOWED

SEAL SET #3:

(MAY VARY DEPENDING ON FEATURES/REQUIREMENTS OF OPENINGS)

PERIMETER:

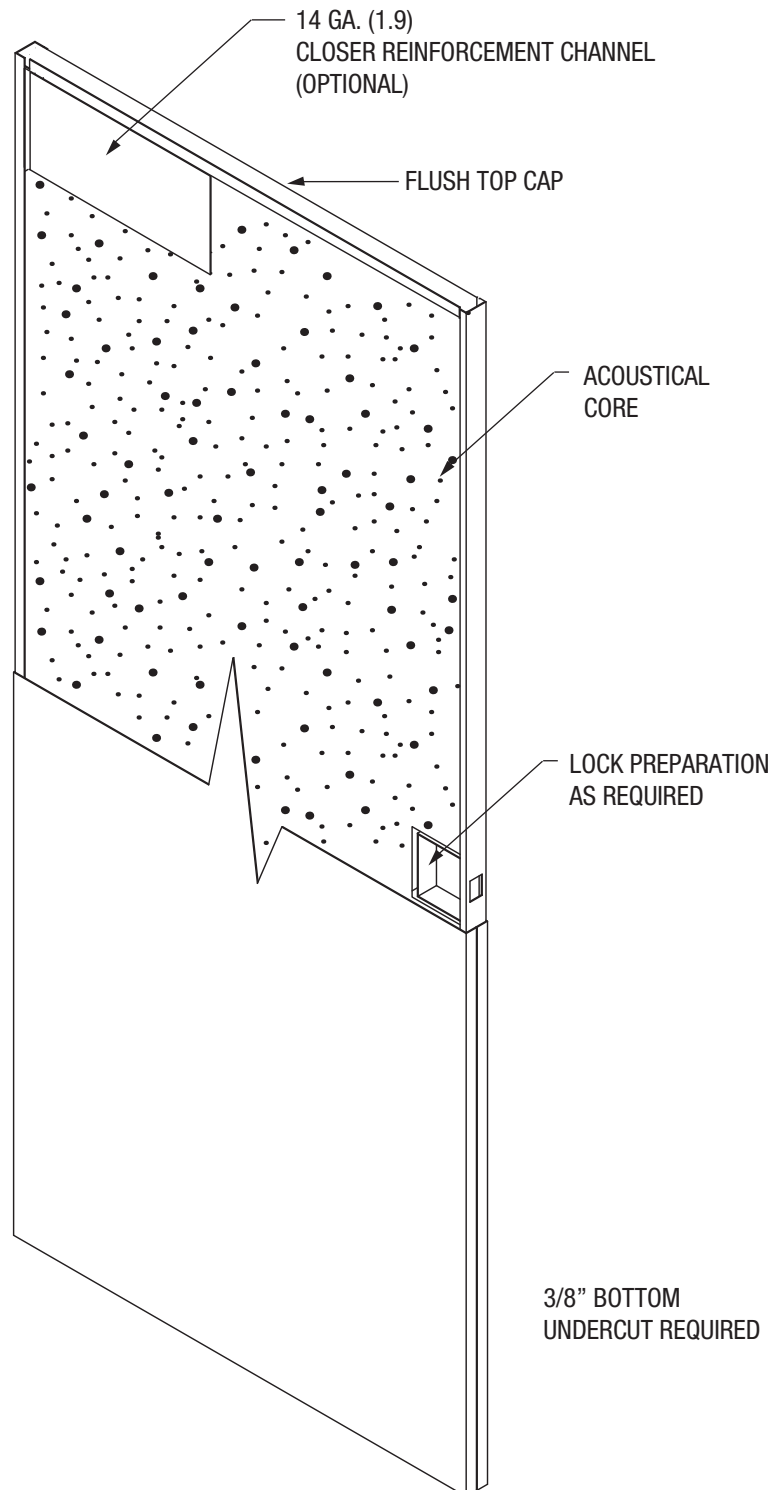
PEMKO S773
PEMKO S88

BOTTOM:

PEMKO 2008 PK

MEETING EDGES:

PEMKO S88 (3)
PEMKO 303AS (2)
ASTRAGAL STRIP 4441



April, 2017

**STANDARDS COMPLIANCE:**

ASTM E 90, ASTM E 1332, ASTM E2235, ASTM E413, SDI 128
AND HMMA 865

NOTES:

1. MUTES NOT ALLOWED
2. SURFACE CLOSER ONLY
3. STC LABEL APPLIED TO DOOR ONLY
4. WALL CONSTRUCTION NEEDS TO BE EQUAL OR GREATER STC VALUE AS DOOR/FRAME
5. THE FRAME MUST BE MORTAR FILLED TO ACHIEVE THE STC RATING
6. 1-3/4" THICK DOORS
7. FRAMES MUST BE SINGLE OR DOUBLE RABBET, CONTINUOUSLY WELDED. 16 OR 14 GAUGE, STANDARD HOLLOW METAL FRAME
8. HINGES - 4-1/2" STANDARD OR HEAVYWEIGHT, 5" STANDARD OR HEAVYWEIGHT
9. ELECTRIC RACEWAYS ARE ALLOWED
10. ALL SEALS & THRESHOLDS INCLUDED
11. OTHER NON-TESTED ASSEMBLIES ARE AVAILABLE. CONTACT FACTORY FOR DETAILS.

HARDWARE LIMITATIONS:

MORTISE PANIC
CYLINDRICAL OR MORTISE LOCK
(CYLINDRICAL OR MORTISE LOCKS REQUIRE SURFACE OF FLUSHBOLTS WITH ASTRAGAL STRIP ON INACTIVE DOOR. MORTISE PANIC REQUIRES SURFACE VERTICAL ROD OR SURFACE OF FLUSHBOLTS WITH ASTRAGAL STRIP ON INACTIVE DOOR)

FIRE RATING:

3 HR. MAX.

OPENING SIZES:

MINIMUM SIZE - 4'0" X 6'8" PAIR
MAXIMUM SIZE - 8'0" X 8'0" PAIR

FACE TYPES:

FLUSH ONLY – NO LITES ALLOWED

SEAL SET #3:

(MAY VARY DEPENDING ON FEATURES/REQUIREMENTS OF OPENINGS)

PERIMETER:

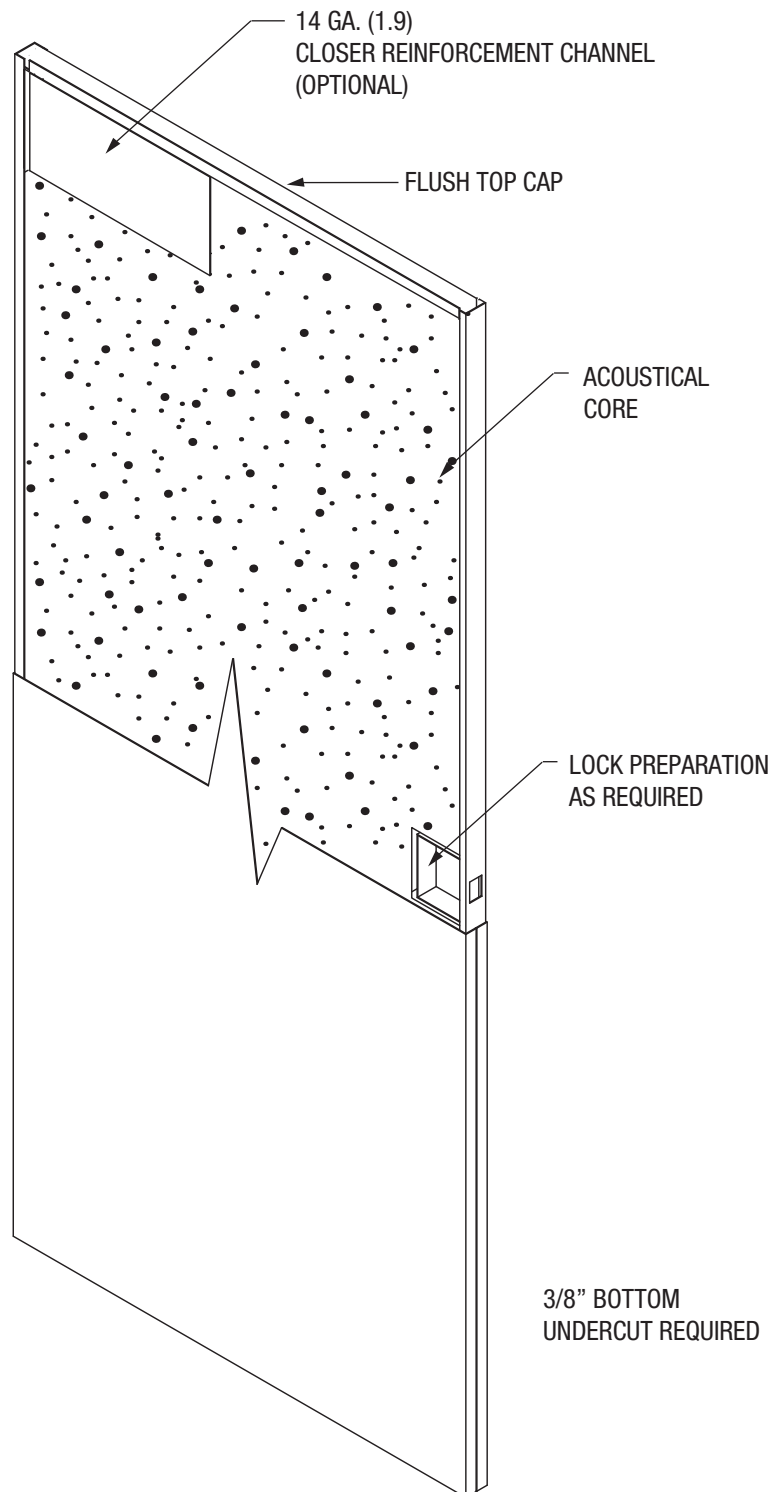
PEMKO S773
PEMKO S88

BOTTOM:

PEMKO 2008 PK

MEETING EDGES:

PEMKO S88 (3)
PEMKO 303AS (2)
ASTRAGAL STRIP 4441



STANDARDS COMPLIANCE:

ASTM E 90, ASTM E 1332, ASTM E2235, ASTM E413, SDI 128
AND HMMA 865

NOTES:

1. MUTES NOT ALLOWED
2. SURFACE CLOSER ONLY
3. STC LABEL APPLIED TO DOOR ONLY
4. WALL CONSTRUCTION NEEDS TO BE EQUAL OR GREATER STC VALUE AS DOOR/FRAME
5. THE FRAME MUST BE MORTAR FILLED TO ACHIEVE THE STC RATING
6. 1-3/4" THICK DOORS
7. FRAMES MUST BE SINGLE OR DOUBLE RABBET, CONTINUOUSLY WELDED. 16 OR 14 GAUGE, STANDARD HOLLOW METAL FRAME
8. HINGES - 4-1/2" STANDARD OR HEAVYWEIGHT, 5" STANDARD OR HEAVYWEIGHT
9. ELECTRIC RACEWAYS ARE ALLOWED
10. ALL SEALS & THRESHOLDS INCLUDED
11. OTHER NON-TESTED ASSEMBLIES ARE AVAILABLE. CONTACT FACTORY FOR DETAILS.

HARDWARE LIMITATIONS:

MORTISE PANIC
CYLINDRICAL OR MORTISE LOCK
(CYLINDRICAL OR MORTISE LOCKS REQUIRE SURFACE OF FLUSHBOLTS WITH ASTRAGAL STRIP ON INACTIVE DOOR. MORTISE PANIC REQUIRES SURFACE VERTICAL ROD OR SURFACE OR FLUSHBOLTS WITH ASTRAGAL STRIP ON INACTIVE DOOR)

FIRE RATING:

3 HR. MAX.

OPENING SIZES:

MINIMUM SIZE - 4'0" X 6'8" PAIR
MAXIMUM SIZE - 8'0" X 8'0" PAIR

FACE TYPES:

FLUSH ONLY – NO LITES ALLOWED

SEAL SET #3:

(MAY VARY DEPENDING ON FEATURES/REQUIREMENTS OF OPENINGS)

PERIMETER:

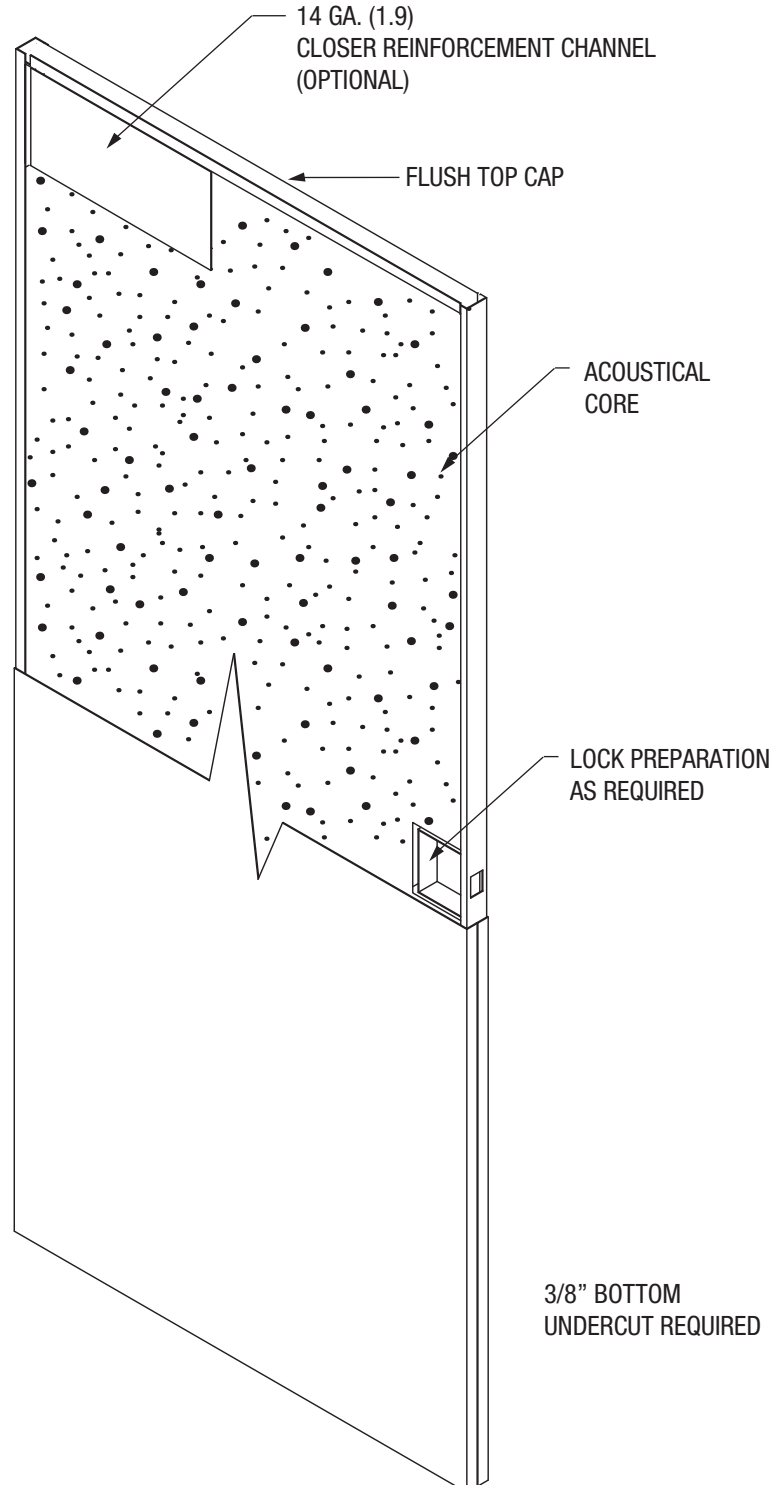
PEMKO S773
PEMKO S88

BOTTOM:

PEMKO 2008 PK

MEETING EDGES:

PEMKO S88 (3)
PEMKO 303AS (2)
ASTRAGAL STRIP 4441



April, 2017

**STANDARDS COMPLIANCE:**

ASTM E 90, ASTM E 1332, ASTM E2235, ASTM E413, SDI 128
AND HMMMA 865

NOTES:

1. MUTES NOT ALLOWED
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5. THE FRAME MUST BE MORTAR FILLED TO ACHIEVE THE STC RATING
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7. FRAMES MUST BE SINGLE OR DOUBLE RABBET, CONTINUOUSLY WELDED. 16 OR 14 GAUGE, STANDARD HOLLOW METAL FRAME
8. HINGES - 4-1/2" STANDARD OR HEAVYWEIGHT, 5" STANDARD OR HEAVYWEIGHT
9. ELECTRIC RACEWAYS ARE ALLOWED
10. ALL SEALS & THRESHOLDS INCLUDED
11. OTHER NON-TESTED ASSEMBLIES ARE AVAILABLE. CONTACT FACTORY FOR DETAILS.

HARDWARE LIMITATIONS:

MORTISE PANIC
CYLINDRICAL OR MORTISE LOCK
(CYLINDRICAL OR MORTISE LOCKS REQUIRE SURFACE OF FLUSHBOLTS WITH ASTRAGAL STRIP ON INACTIVE DOOR. MORTISE PANIC REQUIRES SURFACE VERTICAL ROD OR SURFACE OR FLUSHBOLTS WITH ASTRAGAL STRIP ON INACTIVE DOOR)

FIRE RATING:

3 HR. MAX.

OPENING SIZES:

MINIMUM SIZE - 4'0" X 6'8" PAIR
MAXIMUM SIZE - 8'0" X 8'0" PAIR

FACE TYPES:

FLUSH ONLY – NO LITES ALLOWED

SEAL SET #3:

(MAY VARY DEPENDING ON FEATURES/REQUIREMENTS OF OPENINGS)

PERIMETER:

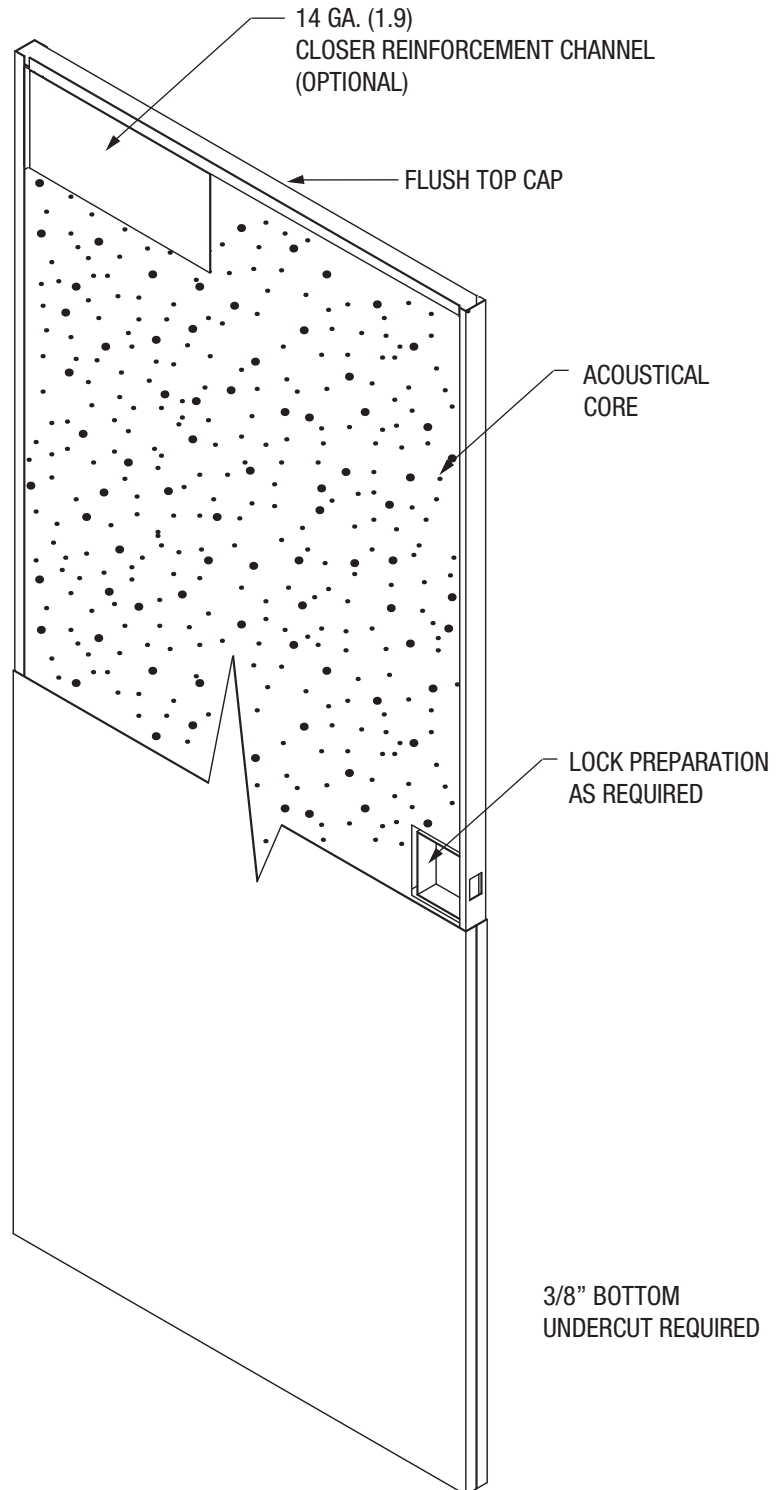
PEMKO S773
PEMKO S88

BOTTOM:

PEMKO 2008 PK

MEETING EDGES:

PEMKO S88 (3)
PEMKO 303AS (2)
ASTRAGAL STRIP 4441



**STANDARDS COMPLIANCE:**

ASTM E 90, ASTM E 1332, ASTM E2235, ASTM E413, SDI 128
AND HMMA 865

NOTES:

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6. 1-3/4" THICK DOORS
7. FRAMES MUST BE SINGLE OR DOUBLE RABBET, CONTINUOUSLY WELDED. 16 OR 14 GAUGE, STANDARD HOLLOW METAL FRAME
8. HINGES - 4-1/2" STANDARD OR HEAVYWEIGHT, 5" STANDARD OR HEAVYWEIGHT
9. ELECTRIC RACEWAYS ARE ALLOWED
10. ALL SEALS & THRESHOLDS INCLUDED
11. OTHER NON-TESTED ASSEMBLIES ARE AVAILABLE. CONTACT FACTORY FOR DETAILS.

HARDWARE LIMITATIONS:

MORTISE PANIC
CYLINDRICAL OR MORTISE LOCK
(CYLINDRICAL OR MORTISE LOCKS REQUIRE SURFACE OF FLUSHBOLTS WITH ASTRAGAL STRIP ON INACTIVE DOOR. MORTISE PANIC REQUIRES SURFACE VERTICAL ROD OR SURFACE OF FLUSHBOLTS WITH ASTRAGAL STRIP ON INACTIVE DOOR)

FIRE RATING:

3 HR. MAX.

OPENING SIZES:

MINIMUM SIZE - 4'0" X 6'8" PAIR
MAXIMUM SIZE - 8'0" X 8'0" PAIR

FACE TYPES:

FLUSH ONLY – NO LITES ALLOWED

SEAL SET #3:

(MAY VARY DEPENDING ON FEATURES/REQUIREMENTS OF OPENINGS)

PERIMETER:

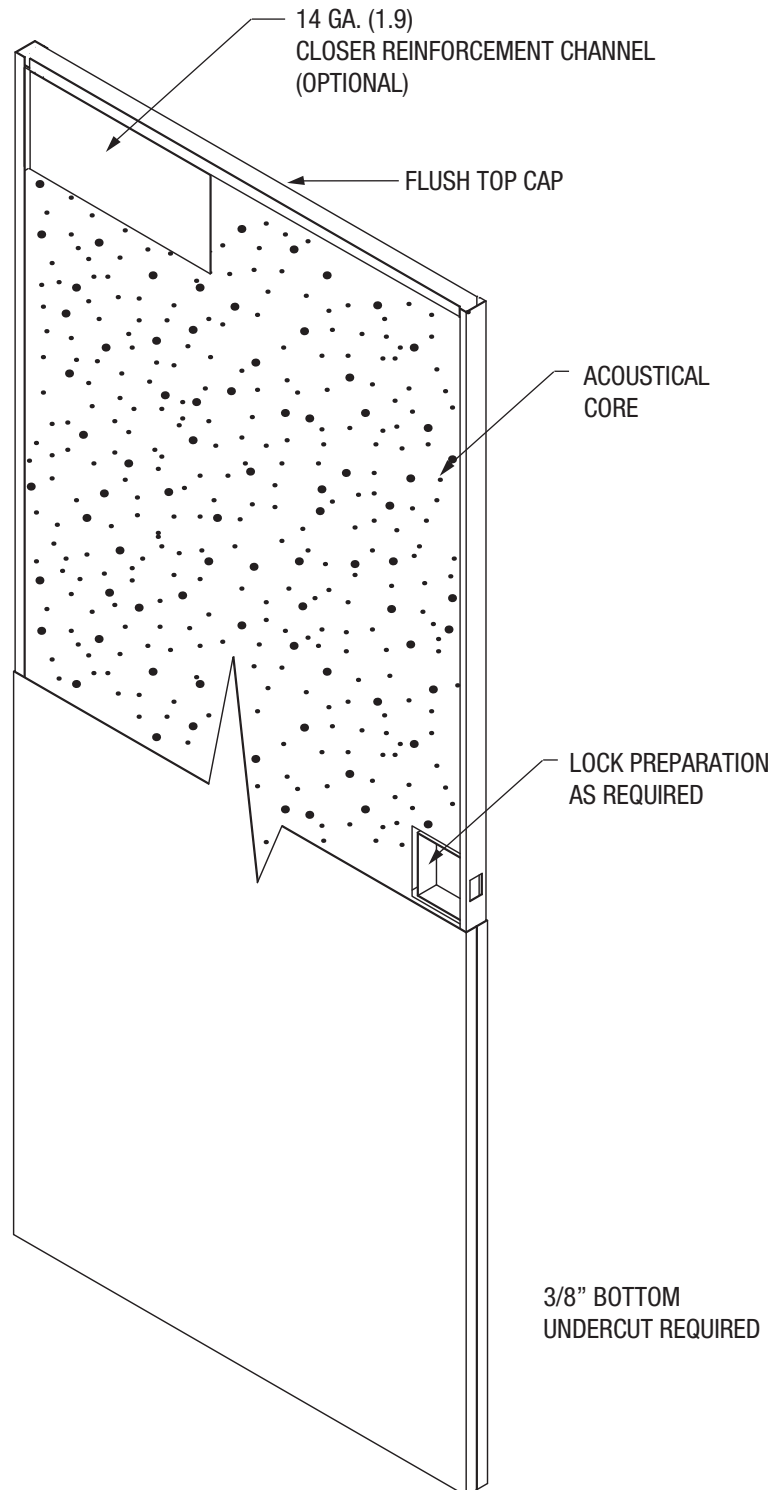
PEMKO S773
PEMKO S88

BOTTOM:

PEMKO 2008 PK

MEETING EDGES:

PEMKO S88 (3)
PEMKO 303AS (2)
ASTRAGAL STRIP 4441



April, 2017

**STANDARDS COMPLIANCE:**

ASTM E 90, ASTM E 1332, ASTM E2235, ASTM E413, SDI 128
AND HMMA 865

NOTES:

1. MUTES NOT ALLOWED
2. SURFACE CLOSER ONLY
3. STC LABEL APPLIED TO DOOR ONLY
4. WALL CONSTRUCTION NEEDS TO BE EQUAL OR GREATER STC VALUE AS DOOR/FRAME
5. THE FRAME MUST BE MORTAR FILLED TO ACHIEVE THE STC RATING
6. 1-3/4" THICK DOORS
7. FRAMES MUST BE SINGLE OR DOUBLE RABBET, CONTINUOUSLY WELDED. 16 OR 14 GAUGE, STANDARD HOLLOW METAL FRAME
8. HINGES - 4-1/2" STANDARD OR HEAVYWEIGHT, 5" STANDARD OR HEAVYWEIGHT
9. ELECTRIC RACEWAYS ARE ALLOWED
10. ALL SEALS & THRESHOLDS INCLUDED
11. OTHER NON-TESTED ASSEMBLIES ARE AVAILABLE. CONTACT FACTORY FOR DETAILS.

HARDWARE LIMITATIONS:

MORTISE PANIC
CYLINDRICAL OR MORTISE LOCK
(CYLINDRICAL OR MORTISE LOCKS REQUIRE SURFACE OF FLUSHBOLTS WITH ASTRAGAL STRIP ON INACTIVE DOOR. MORTISE PANIC REQUIRES SURFACE VERTICAL ROD OR SURFACE OR FLUSHBOLTS WITH ASTRAGAL STRIP ON INACTIVE DOOR)

FIRE RATING:

3 HR. MAX.

OPENING SIZES:

MINIMUM SIZE - 4'0" X 6'8" PAIR

MAXIMUM SIZE - 8'0" X 8'0" PAIR

FACE TYPES:

FLUSH ONLY – NO LITES ALLOWED

SEAL SET #3:

(MAY VARY DEPENDING ON FEATURES/REQUIREMENTS OF OPENINGS)

PERIMETER:

PEMKO S773

PEMKO S88

BOTTOM:

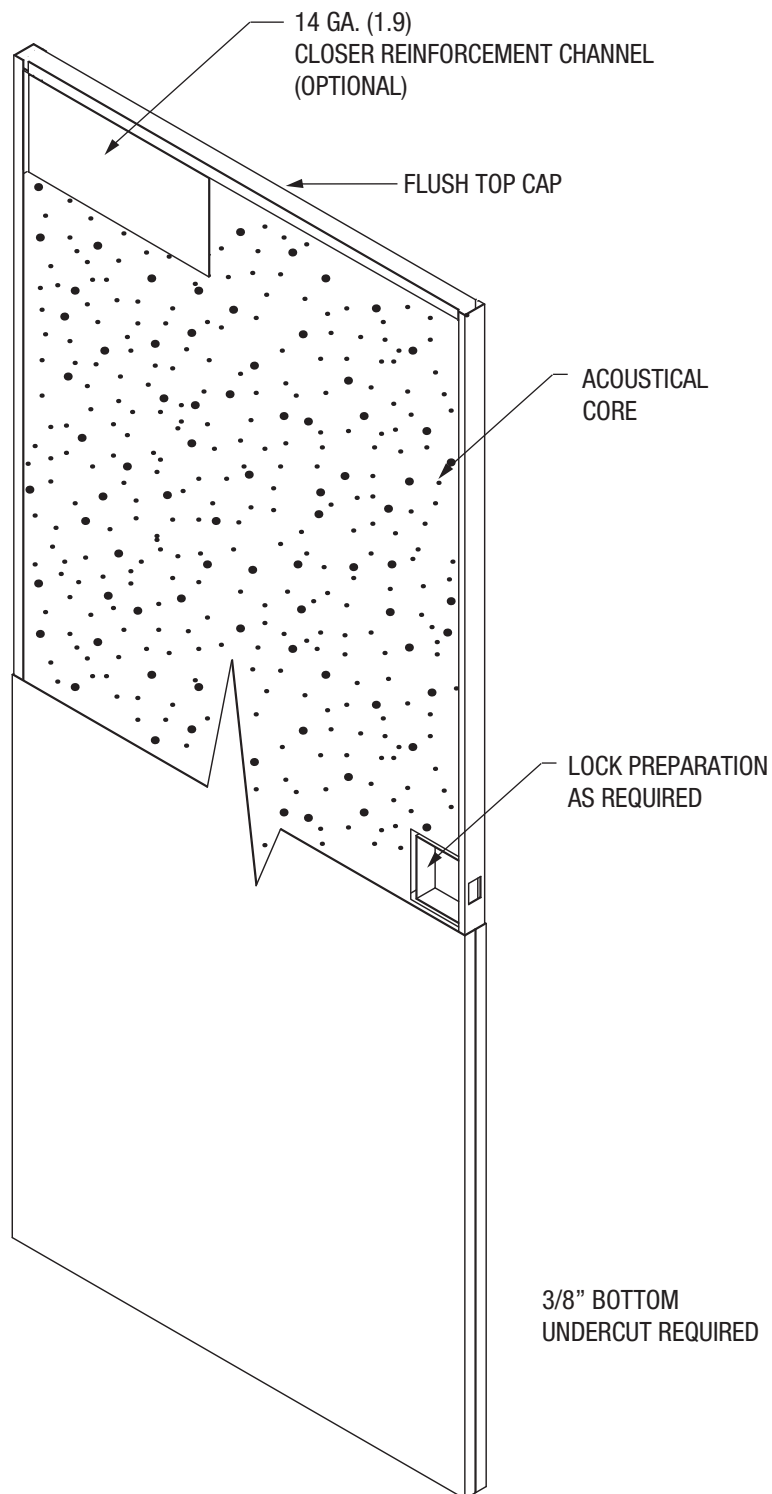
PEMKO 2008 PK

MEETING EDGES:

PEMKO S88 (3)

PEMKO 303AS (2)

ASTRAGAL STRIP 4441



STANDARDS COMPLIANCE:

ASTM E 90, ASTM E 1332, ASTM E2235, ASTM E413, SDI 128
AND HMMA 865

NOTES:

1. MUTES NOT ALLOWED
2. SURFACE CLOSER ONLY
3. STC LABEL APPLIED TO DOOR ONLY
4. WALL CONSTRUCTION NEEDS TO BE EQUAL OR GREATER STC VALUE AS DOOR/FRAME
5. THE FRAME MUST BE MORTAR FILLED TO ACHIEVE THE STC RATING
6. 1-3/4" THICK DOORS
7. FRAMES MUST BE SINGLE OR DOUBLE RABBET, CONTINUOUSLY WELDED. 16 OR 14 GAUGE, STANDARD HOLLOW METAL FRAME
8. HINGES - 4-1/2" STANDARD OR HEAVYWEIGHT, 5" STANDARD OR HEAVYWEIGHT
9. ELECTRIC RACEWAYS ARE ALLOWED
10. ALL SEALS & THRESHOLDS INCLUDED
11. OTHER NON-TESTED ASSEMBLIES ARE AVAILABLE. CONTACT FACTORY FOR DETAILS.

HARDWARE LIMITATIONS:

MORTISE PANIC
CYLINDRICAL OR MORTISE LOCK
(CYLINDRICAL OR MORTISE LOCKS REQUIRE SURFACE OF FLUSHBOLTS WITH ASTRAGAL STRIP ON INACTIVE DOOR. MORTISE PANIC REQUIRES SURFACE VERTICAL ROD OR SURFACE OR FLUSHBOLTS WITH ASTRAGAL STRIP ON INACTIVE DOOR)

FIRE RATING:

3 HR. MAX.

OPENING SIZES:

MINIMUM SIZE - 4'0" X 6'8" PAIR
MAXIMUM SIZE - 8'0" X 8'0" PAIR

FACE TYPES:

FLUSH ONLY – NO LITES ALLOWED

SEAL SET #3:

(MAY VARY DEPENDING ON FEATURES/REQUIREMENTS OF OPENINGS)

PERIMETER:

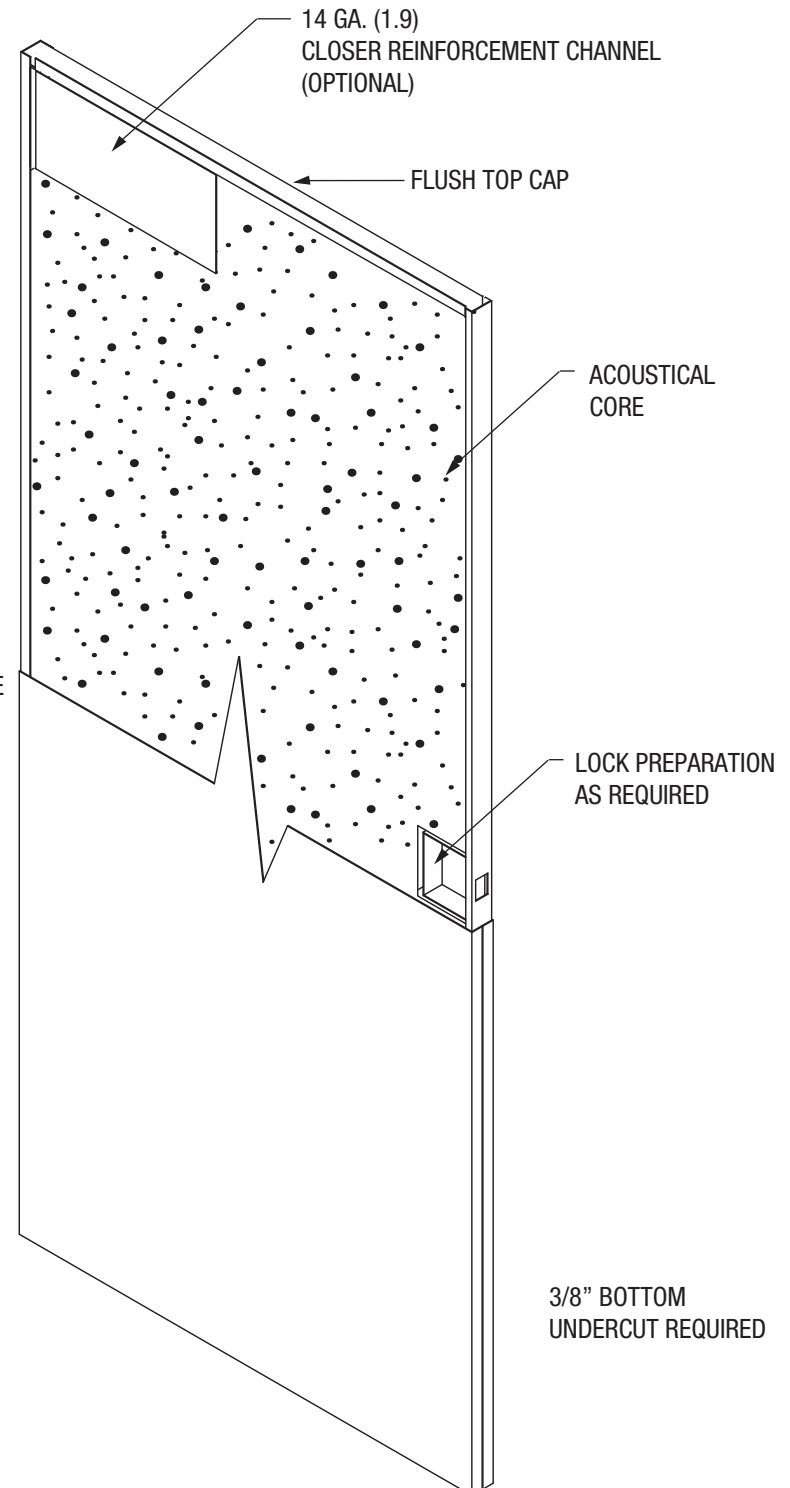
PEMKO S773
PEMKO S88

BOTTOM:

PEMKO 2008 PK

MEETING EDGES:

PEMKO S88 (3)
PEMKO 303AS (2)
ASTRAGAL STRIP 4441



April, 2017

**STANDARDS COMPLIANCE:**

ASTM E 90, ASTM E 1332, ASTM E2235, ASTM E413, SDI 128
AND HMMA 865

NOTES:

1. MUTES NOT ALLOWED
2. SURFACE CLOSER ONLY
3. STC LABEL APPLIED TO DOOR ONLY
4. WALL CONSTRUCTION NEEDS TO BE EQUAL OR GREATER STC VALUE AS DOOR/FRAME
5. THE FRAME MUST BE MORTAR FILLED TO ACHIEVE THE STC RATING
6. 1-3/4" THICK DOORS
7. FRAMES MUST BE SINGLE OR DOUBLE RABBET, CONTINUOUSLY WELDED. 16 OR 14 GAUGE, STANDARD HOLLOW METAL FRAME
8. HINGES - 4-1/2" STANDARD OR HEAVYWEIGHT, 5" STANDARD OR HEAVYWEIGHT
9. ELECTRIC RACEWAYS ARE ALLOWED
10. ALL SEALS & THRESHOLDS INCLUDED
11. OTHER NON-TESTED ASSEMBLIES ARE AVAILABLE. CONTACT FACTORY FOR DETAILS.

HARDWARE LIMITATIONS:

MORTISE PANIC
CYLINDRICAL OR MORTISE LOCK
(CYLINDRICAL OR MORTISE LOCKS REQUIRE SURFACE OF FLUSHBOLTS WITH ASTRAGAL STRIP ON INACTIVE DOOR. MORTISE PANIC REQUIRES SURFACE VERTICAL ROD OR SURFACE OR FLUSHBOLTS WITH ASTRAGAL STRIP ON INACTIVE DOOR)

FIRE RATING:

3 HR. MAX.

OPENING SIZES:

MINIMUM SIZE - 4'0" X 6'8" PAIR
MAXIMUM SIZE - 8'0" X 8'0" PAIR

FACE TYPES:

FLUSH ONLY – NO LITES ALLOWED

SEAL SET #3:

(MAY VARY DEPENDING ON FEATURES/REQUIREMENTS OF OPENINGS)

PERIMETER:

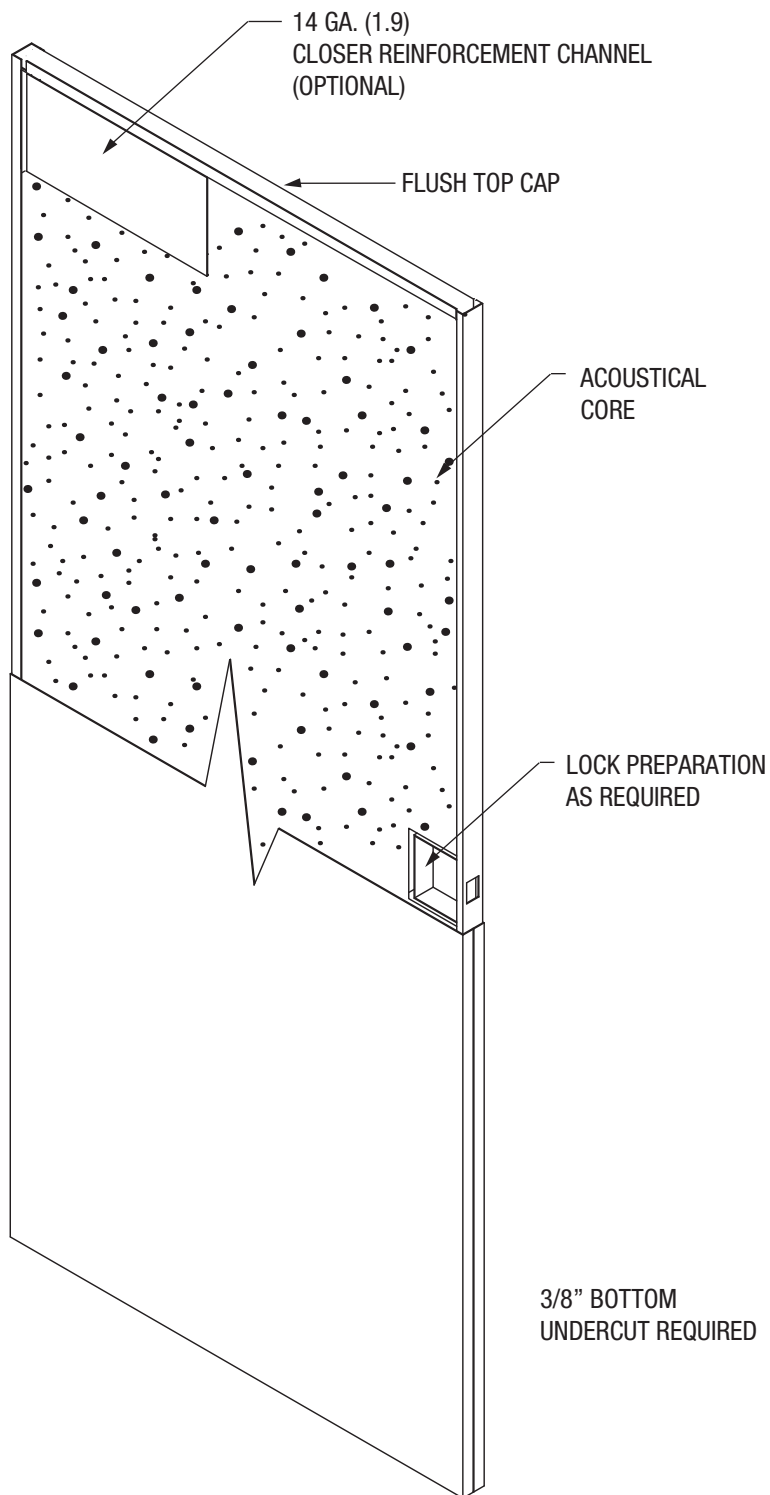
PEMKO S773
PEMKO S88

BOTTOM:

PEMKO 2008 PK

MEETING EDGES:

PEMKO S88 (3)
PEMKO 303AS (2)
ASTRAGAL STRIP 4441



STANDARDS COMPLIANCE:

ASTM E 90, ASTM E 1332, ASTM E2235, ASTM E413, SDI 128 AND HMMA 865

NOTES:

1. MUTES NOT ALLOWED
2. SURFACE CLOSER ONLY
3. STC LABEL APPLIED TO DOOR ONLY
4. WALL CONSTRUCTION NEEDS TO BE EQUAL OR GREATER STC VALUE AS DOOR/FRAME
5. THE FRAME MUST BE MORTAR FILLED TO ACHIEVE THE STC RATING
6. 1-3/4" THICK DOORS
7. FRAMES MUST BE SINGLE OR DOUBLE RABBET, CONTINUOUSLY WELDED. 16 OR 14 GAUGE, STANDARD HOLLOW METAL FRAME
8. HINGES - 4-1/2" STANDARD OR HEAVYWEIGHT, 5" STANDARD OR HEAVYWEIGHT
9. ELECTRIC RACEWAYS ARE ALLOWED
10. ALL SEALS & THRESHOLDS INCLUDED
11. OTHER NON-TESTED ASSEMBLIES ARE AVAILABLE. CONTACT FACTORY FOR DETAILS.

HARDWARE LIMITATIONS:

MORTISE PANIC
CYLINDRICAL OR MORTISE LOCK
(CYLINDRICAL OR MORTISE LOCKS REQUIRE SURFACE OF FLUSHBOLTS WITH ASTRAGAL STRIP ON INACTIVE DOOR. MORTISE PANIC REQUIRES SURFACE VERTICAL ROD OR SURFACE OR FLUSHBOLTS WITH ASTRAGAL STRIP ON INACTIVE DOOR)

FIRE RATING:

3 HR. MAX.

OPENING SIZES:

MINIMUM SIZE - 4'0" X 6'8" PAIR

MAXIMUM SIZE - 8'0" X 8'0" PAIR

FACE TYPES:

FLUSH ONLY – NO LITES ALLOWED

SEAL SET #3:

(MAY VARY DEPENDING ON FEATURES/REQUIREMENTS OF OPENINGS)

PERIMETER:

PEMKO S773

PEMKO S88

BOTTOM:

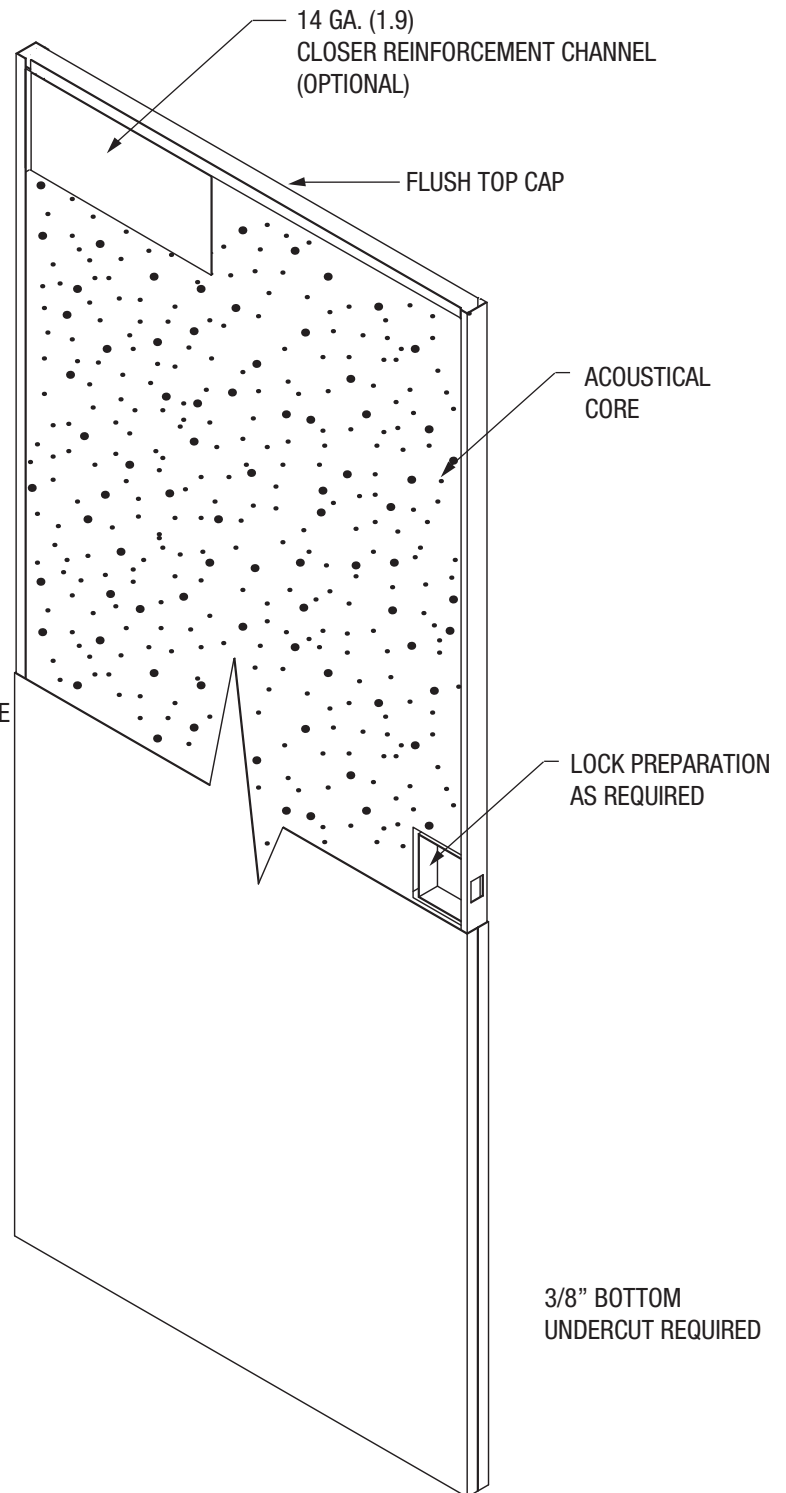
PEMKO 2008 PK

MEETING EDGES:

PEMKO S88 (3)

PEMKO 303AS (2)

ASTRAGAL STRIP 4441



168 757 (STC 32) Sound Door Construction - Paired With Glass

Sound Door Technical Data



May, 2016



STANDARDS COMPLIANCE:

ASTM E 90, ASTM E 1332, ASTM E2235, ASTM E413, SDI 128 AND HMMA 865

NOTES:

1. MUTES NOT ALLOWED
2. SURFACE CLOSER ONLY
3. STC LABEL APPLIED TO DOOR ONLY
4. WALL CONSTRUCTION NEEDS TO BE EQUAL OR GREATER STC VALUE AS DOOR/FRAME
5. THE FRAME MUST BE MORTAR FILLED TO ACHIEVE AN STC RATING OF 40 AND ABOVE
6. 1-3/4" THICK DOORS
7. FRAMES MUST BE SINGLE OR DOUBLE RABBET, CONTINUOUSLY WELDED. 16 OR 14 GAUGE, STANDARD HOLLOW METAL FRAME
8. HINGES - 4-1/2" STANDARD OR HEAVYWEIGHT, 5" STANDARD OR HEAVYWEIGHT
9. ELECTRIC RACEWAYS ARE ALLOWED
10. ALL SEALS & THRESHOLDS INCLUDED
11. OTHER NON-TESTED ASSEMBLIES ARE AVAILABLE. CONTACT FACTORY FOR DETAILS

HARDWARE LIMITATIONS WITH FIRE RATINGS:

OPTIONAL LOCK PREPARATIONS WITH: UP TO AND INCLUDING 100 IN² OF 5/16" PYRAN PLATINUM GLASS

STC 32 WITH CYLINDRICAL, MORTISE OR RIM PANIC AND MAY INCLUDE UP TO AND INCLUDING A 3 HOUR FIRE RATING.

OPTIONAL LOCK PREPARATIONS WITH: UP TO AND INCLUDING 288 IN² OF 5/16" PYRAN GLASS

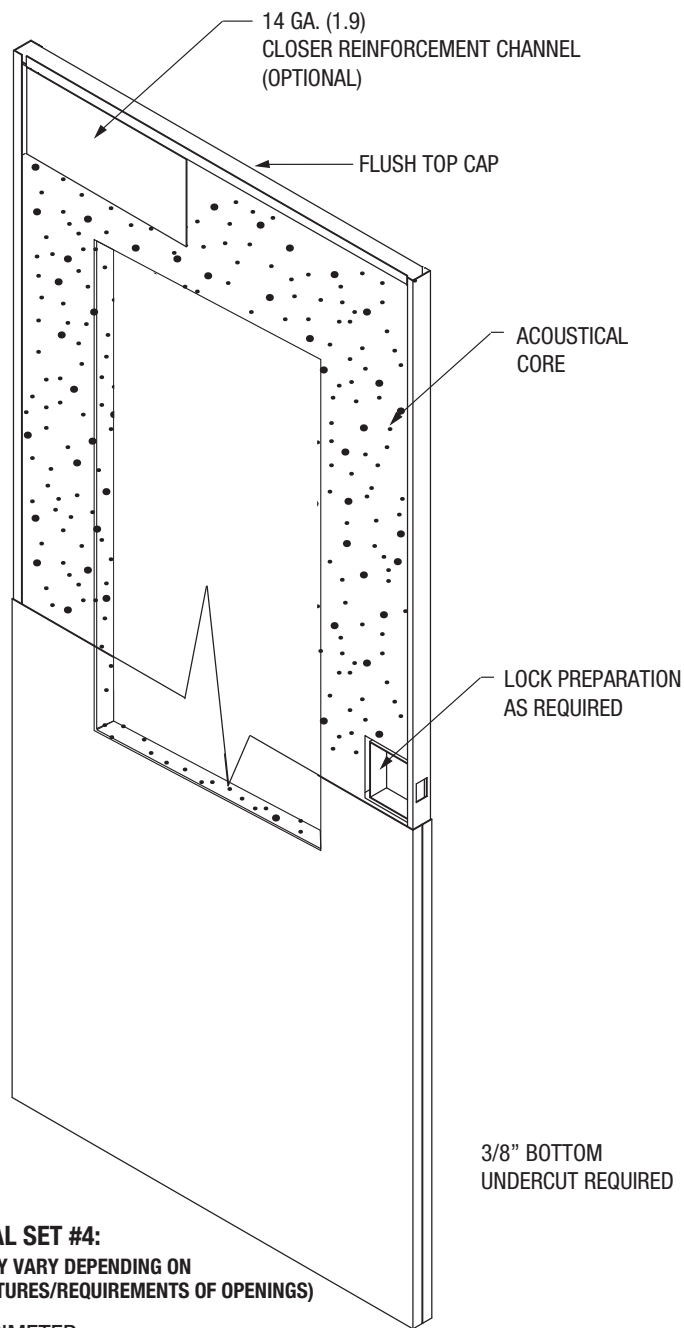
STC 32 WITH CYLINDRICAL, MORTISE OR RIM PANIC AND MAY INCLUDE UP TO AND INCLUDING A 1-1/2 HOUR FIRE RATING.

OPTIONAL LOCK PREPARATIONS WITH: UP TO AND INCLUDING 720 IN² OF 5/16" PYRAN PLATINUM GLASS

STC 32 WITH CYLINDRICAL, MORTISE OR RIM PANIC AND MAY INCLUDE UP TO AND INCLUDING A 1-1/2 HOUR FIRE RATING.

OPENING SIZES:

MINIMUM SIZE - 2'0" X 6'8" SINGLE
MAXIMUM SIZE - 4'0" X 8'0" SINGLE



SEAL SET #4:

(MAY VARY DEPENDING ON FEATURES/REQUIREMENTS OF OPENINGS)

PERIMETER:

PEMKO S44
PEMKO S88
PEMKO S773

BOTTOM:

PEMKO 2008 PK
PEMKO ACP 112

MEETING EDGES:

PEMKO S88 (3)
PEMKO 303 AS (2)
ASTRAGAL STRIP 4441



STANDARDS COMPLIANCE:

ASTM E 90, ASTM E 1332, ASTM E2235, ASTM E413, SDI 128 AND HMMA 865

NOTES:

1. MUTES NOT ALLOWED
2. SURFACE CLOSER ONLY
3. STC LABEL APPLIED TO DOOR ONLY
4. WALL CONSTRUCTION NEEDS TO BE EQUAL OR GREATER STC VALUE AS DOOR/FRAME
5. THE FRAME MUST BE MORTAR FILLED TO ACHIEVE AN STC RATING OF 40 AND ABOVE
6. 1-3/4" THICK DOORS
7. FRAMES MUST BE SINGLE OR DOUBLE RABBET, CONTINUOUSLY WELDED. 16 OR 14 GAUGE, STANDARD HOLLOW METAL FRAME
8. HINGES - 4-1/2" STANDARD OR HEAVYWEIGHT, 5" STANDARD OR HEAVYWEIGHT
9. ELECTRIC RACEWAYS ARE ALLOWED
10. ALL SEALS & THRESHOLDS INCLUDED
11. OTHER NON-TESTED ASSEMBLIES ARE AVAILABLE. CONTACT FACTORY FOR DETAILS

HARDWARE LIMITATIONS WITH FIRE RATINGS:

OPTIONAL LOCK PREPARATIONS WITH: UP TO AND INCLUDING 100 IN² OF 5/16" PYRAN PLATINUM GLASS

STC 33 WITH CYLINDRICAL, MORTISE OR RIM PANIC AND MAY INCLUDE UP TO AND INCLUDING A 3 HOUR FIRE RATING.

OPTIONAL LOCK PREPARATIONS WITH: UP TO AND INCLUDING 288 IN² OF 5/16" PYRAN GLASS

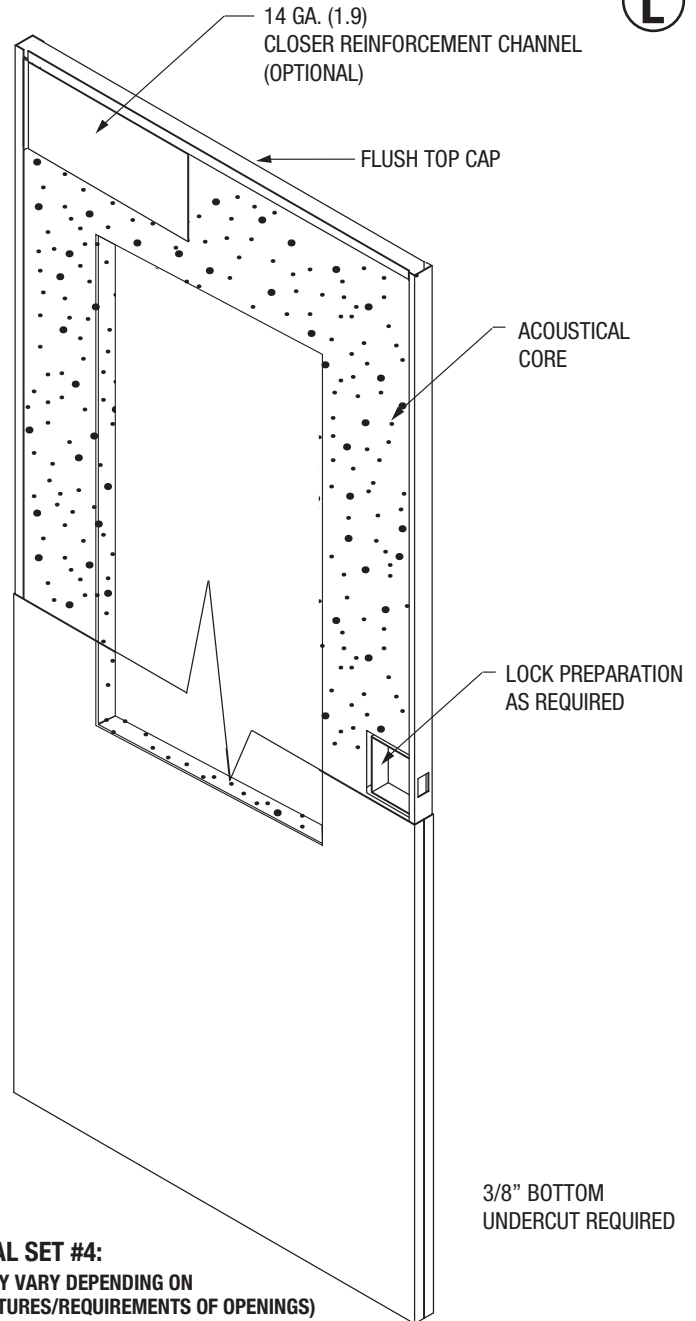
STC 33 WITH CYLINDRICAL, MORTISE OR RIM PANIC AND MAY INCLUDE UP TO AND INCLUDING A 1-1/2 HOUR FIRE RATING.

OPTIONAL LOCK PREPARATIONS WITH: UP TO AND INCLUDING 720 IN² OF 5/16" PYRAN PLATINUM GLASS

STC 33 WITH CYLINDRICAL, MORTISE OR RIM PANIC AND MAY INCLUDE UP TO AND INCLUDING A 1-1/2 HOUR FIRE RATING.

OPENING SIZES:

MINIMUM SIZE - 2'0" X 6'8" SINGLE
 MAXIMUM SIZE - 4'0" X 8'0" SINGLE



SEAL SET #4:

(MAY VARY DEPENDING ON FEATURES/REQUIREMENTS OF OPENINGS)

PERIMETER:

- PEMKO S44
- PEMKO S88
- PEMKO S773

BOTTOM:

- PEMKO 2008 PK
- PEMKO ACP 112

MEETING EDGES:

- PEMKO S88 (3)
- PEMKO 303 AS (2)
- ASTRAGAL STRIP 4441

May, 2016

**STANDARDS COMPLIANCE:**

ASTM E 90, ASTM E 1332, ASTM E2235, ASTM E413, SDI 128
AND HMMMA 865

NOTES:

1. MUTES NOT ALLOWED
2. SURFACE CLOSER ONLY
3. STC LABEL APPLIED TO DOOR ONLY
4. WALL CONSTRUCTION NEEDS TO BE EQUAL OR GREATER STC VALUE AS DOOR/FRAME
5. THE FRAME MUST BE MORTAR FILLED TO ACHIEVE AN STC RATING OF 40 AND ABOVE
6. 1-3/4" THICK DOORS
7. FRAMES MUST BE SINGLE OR DOUBLE RABBET, CONTINUOUSLY WELDED. 16 OR 14 GAUGE, STANDARD HOLLOW METAL FRAME
8. HINGES - 4-1/2" STANDARD OR HEAVYWEIGHT, 5" STANDARD OR HEAVYWEIGHT
9. ELECTRIC RACEWAYS ARE ALLOWED
10. ALL SEALS & THRESHOLDS INCLUDED
11. OTHER NON-TESTED ASSEMBLIES ARE AVAILABLE. CONTACT FACTORY FOR DETAILS

HARDWARE LIMITATIONS WITH FIRE RATINGS:**OPTIONAL LOCK PREPARATIONS WITH: UP TO AND INCLUDING 100 IN² OF 5/16" PYRAN PLATINUM GLASS**

STC 34 WITH CYLINDRICAL, MORTISE OR RIM PANIC AND MAY INCLUDE UP TO AND INCLUDING A 3 HOUR FIRE RATING.

OPTIONAL LOCK PREPARATIONS WITH: UP TO AND INCLUDING 288 IN² OF 5/16" PYRAN GLASS

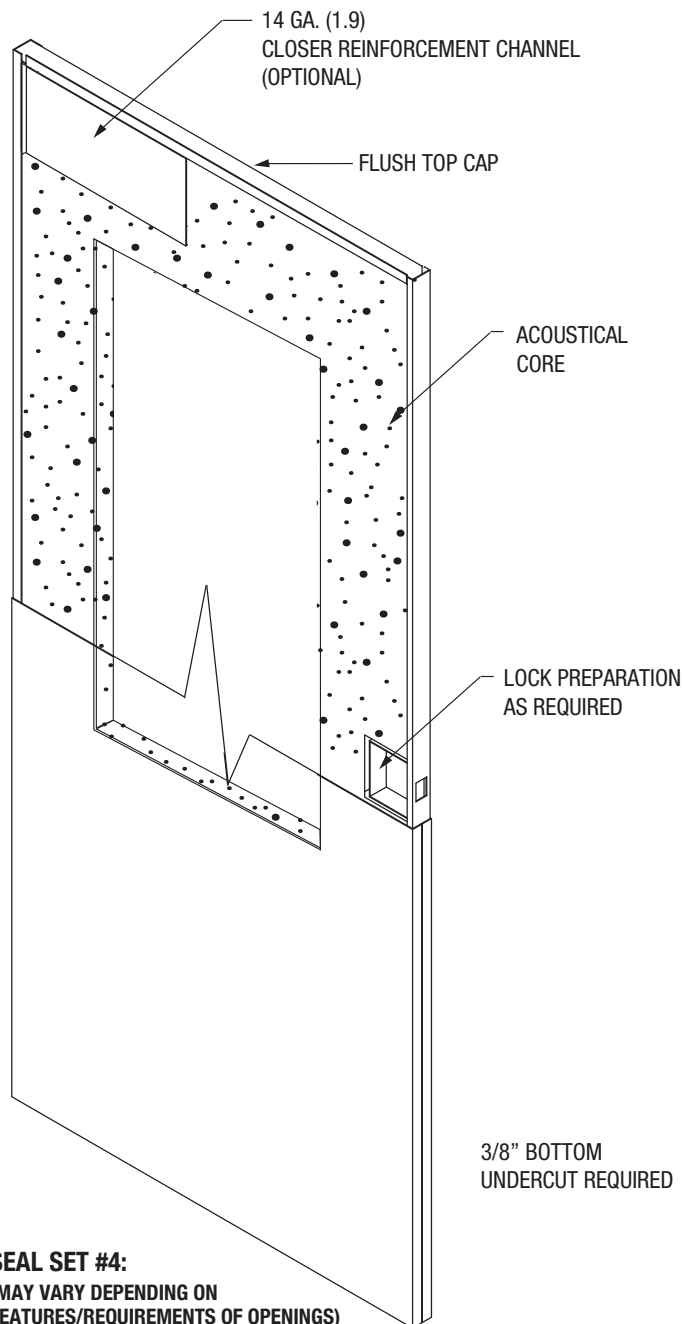
STC 34 WITH CYLINDRICAL, MORTISE OR RIM PANIC AND MAY INCLUDE UP TO AND INCLUDING A 1-1/2 HOUR FIRE RATING.

OPTIONAL LOCK PREPARATIONS WITH: UP TO AND INCLUDING 720 IN² OF 5/16" PYRAN PLATINUM GLASS

STC 34 WITH CYLINDRICAL, MORTISE OR RIM PANIC AND MAY INCLUDE UP TO AND INCLUDING A 1-1/2 HOUR FIRE RATING.

OPENING SIZES:

MINIMUM SIZE - 2'0" X 6'8" SINGLE
MAXIMUM SIZE - 4'0" X 8'0" SINGLE

**SEAL SET #4:**

(MAY VARY DEPENDING ON FEATURES/REQUIREMENTS OF OPENINGS)

PERIMETER:

PEMKO S44
PEMKO S88
PEMKO S773

BOTTOM:

PEMKO 2008 PK
PEMKO ACP 112

MEETING EDGES:

PEMKO S88 (3)
PEMKO 303 AS (2)
ASTRAGAL STRIP 4441

**STANDARDS COMPLIANCE:**

ASTM E 90, ASTM E 1332, ASTM E2235, ASTM E413, SDI 128 AND HMMMA 865

NOTES:

1. MUTES NOT ALLOWED
2. SURFACE CLOSER ONLY
3. STC LABEL APPLIED TO DOOR ONLY
4. WALL CONSTRUCTION NEEDS TO BE EQUAL OR GREATER STC VALUE AS DOOR/FRAME
5. THE FRAME MUST BE MORTAR FILLED TO ACHIEVE AN STC RATING OF 40 AND ABOVE
6. 1-3/4" THICK DOORS
7. FRAMES MUST BE SINGLE OR DOUBLE RABBET, CONTINUOUSLY WELDED. 16 OR 14 GAUGE, STANDARD HOLLOW METAL FRAME
8. HINGES - 4-1/2" STANDARD OR HEAVYWEIGHT, 5" STANDARD OR HEAVYWEIGHT
9. ELECTRIC RACEWAYS ARE ALLOWED
10. ALL SEALS & THRESHOLDS INCLUDED
11. OTHER NON-TESTED ASSEMBLIES ARE AVAILABLE. CONTACT FACTORY FOR DETAILS

HARDWARE LIMITATIONS WITH FIRE RATINGS:**OPTIONAL LOCK PREPARATIONS WITH: UP TO AND INCLUDING 100 IN² OF 5/16" PYRAN PLATINUM GLASS**

STC 35 WITH CYLINDRICAL, MORTISE OR RIM PANIC AND MAY INCLUDE UP TO AND INCLUDING A 3 HOUR FIRE RATING.

OPTIONAL LOCK PREPARATIONS WITH: UP TO AND INCLUDING 288 IN² OF 5/16" PYRAN GLASS

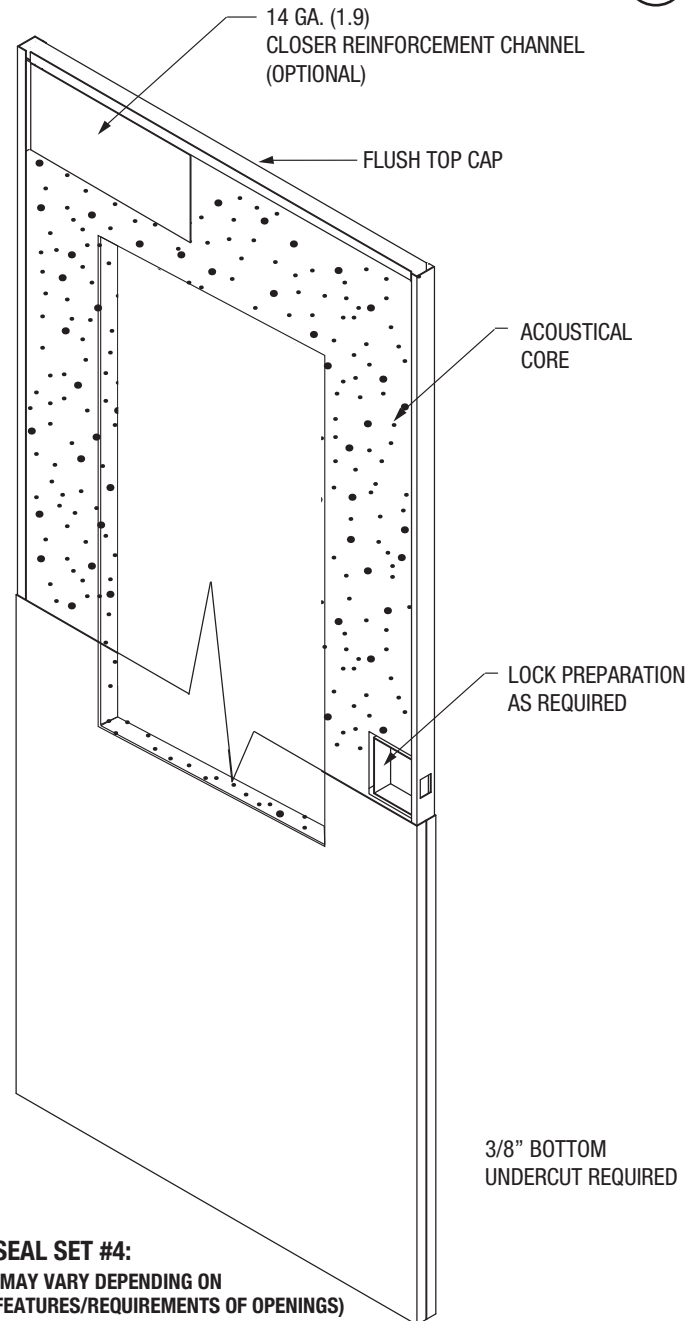
STC 35 WITH CYLINDRICAL, MORTISE OR RIM PANIC AND MAY INCLUDE UP TO AND INCLUDING A 1-1/2 HOUR FIRE RATING.

OPTIONAL LOCK PREPARATIONS WITH: UP TO AND INCLUDING 720 IN² OF 5/16" PYRAN PLATINUM GLASS

STC 35 WITH CYLINDRICAL, MORTISE OR RIM PANIC AND MAY INCLUDE UP TO AND INCLUDING A 1-1/2 HOUR FIRE RATING.

OPENING SIZES:

MINIMUM SIZE - 2'0" X 6'8" SINGLE
MAXIMUM SIZE - 4'0" X 8'0" SINGLE



PERIMETER:
PEMKO S44
PEMKO S88
PEMKO S773

BOTTOM:
PEMKO 2008 PK
PEMKO ACP 112

MEETING EDGES:
PEMKO S88 (3)
PEMKO 303 AS (2)
ASTRAGAL STRIP 4441

May, 2016

**STANDARDS COMPLIANCE:**

ASTM E 90, ASTM E 1332, ASTM E2235, ASTM E413, SDI 128
AND HMMA 865

NOTES:

1. MUTES NOT ALLOWED
2. SURFACE CLOSER ONLY
3. STC LABEL APPLIED TO DOOR ONLY
4. WALL CONSTRUCTION NEEDS TO BE EQUAL OR GREATER STC VALUE AS DOOR/FRAME
5. THE FRAME MUST BE MORTAR FILLED TO ACHIEVE AN STC RATING OF 40 AND ABOVE
6. 1-3/4" THICK DOORS
7. FRAMES MUST BE SINGLE OR DOUBLE RABBET, CONTINUOUSLY WELDED. 16 OR 14 GAUGE, STANDARD HOLLOW METAL FRAME
8. HINGES - 4-1/2" STANDARD OR HEAVYWEIGHT, 5" STANDARD OR HEAVYWEIGHT
9. ELECTRIC RACEWAYS ARE ALLOWED
10. ALL SEALS & THRESHOLDS INCLUDED
11. OTHER NON-TESTED ASSEMBLIES ARE AVAILABLE. CONTACT FACTORY FOR DETAILS

HARDWARE LIMITATIONS WITH FIRE RATINGS:**OPTIONAL LOCK PREPARATIONS WITH: UP TO AND INCLUDING 100 IN² OF 5/16" PYRAN PLATINUM GLASS**

STC 36 WITH CYLINDRICAL, MORTISE OR RIM PANIC AND MAY INCLUDE UP TO AND INCLUDING A 3 HOUR FIRE RATING.

OPTIONAL LOCK PREPARATIONS WITH: UP TO AND INCLUDING 288 IN² OF 5/16" PYRAN GLASS

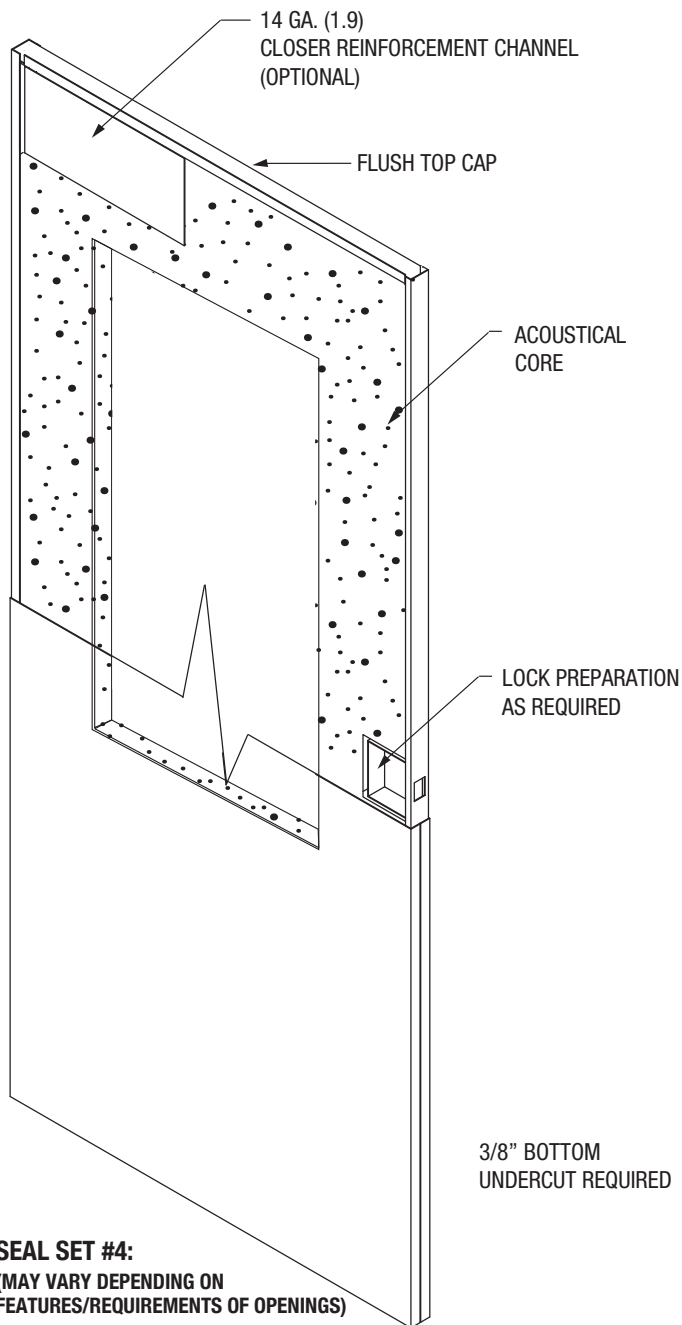
STC 36 WITH CYLINDRICAL, MORTISE OR RIM PANIC AND MAY INCLUDE UP TO AND INCLUDING A 1-1/2 HOUR FIRE RATING.

OPTIONAL LOCK PREPARATIONS WITH: UP TO AND INCLUDING 720 IN² OF 5/16" PYRAN PLATINUM GLASS

STC 36 WITH CYLINDRICAL OR MORTISE AND MAY INCLUDE UP TO AND INCLUDING A 1-1/2 HOUR FIRE RATING.

OPENING SIZES:

MINIMUM SIZE - 2'0" X 6'8" SINGLE
MAXIMUM SIZE - 4'0" X 8'0" SINGLE

**SEAL SET #4:**

(MAY VARY DEPENDING ON FEATURES/REQUIREMENTS OF OPENINGS)

PERIMETER:
PEMKO S44
PEMKO S88
PEMKO S773

BOTTOM:
PEMKO 2008 PK
PEMKO ACP 112

MEETING EDGES:
PEMKO S88 (3)
PEMKO 303 AS (2)
ASTRAGAL STRIP 4441

**STANDARDS COMPLIANCE:**

ASTM E 90, ASTM E 1332, ASTM E2235, ASTM E413, SDI 128 AND HMMMA 865

NOTES:

1. MUTES NOT ALLOWED
2. SURFACE CLOSER ONLY
3. STC LABEL APPLIED TO DOOR ONLY
4. WALL CONSTRUCTION NEEDS TO BE EQUAL OR GREATER STC VALUE AS DOOR/FRAME
5. THE FRAME MUST BE MORTAR FILLED TO ACHIEVE AN STC RATING OF 40 AND ABOVE
6. 1-3/4" THICK DOORS
7. FRAMES MUST BE SINGLE OR DOUBLE RABBET, CONTINUOUSLY WELDED. 16 OR 14 GAUGE, STANDARD HOLLOW METAL FRAME
8. HINGES - 4-1/2" STANDARD OR HEAVYWEIGHT, 5" STANDARD OR HEAVYWEIGHT
9. ELECTRIC RACEWAYS ARE ALLOWED
10. ALL SEALS & THRESHOLDS INCLUDED
11. OTHER NON-TESTED ASSEMBLIES ARE AVAILABLE. CONTACT FACTORY FOR DETAILS

HARDWARE LIMITATIONS WITH FIRE RATINGS:**OPTIONAL LOCK PREPARATIONS WITH: UP TO AND INCLUDING 100 IN² OF 5/16" PYRAN PLATINUM GLASS**

STC 37 WITH CYLINDRICAL, MORTISE OR RIM PANIC AND MAY INCLUDE UP TO AND INCLUDING A 3 HOUR FIRE RATING.

OPTIONAL LOCK PREPARATIONS WITH: UP TO AND INCLUDING 288 IN² OF 5/16" PYRAN GLASS

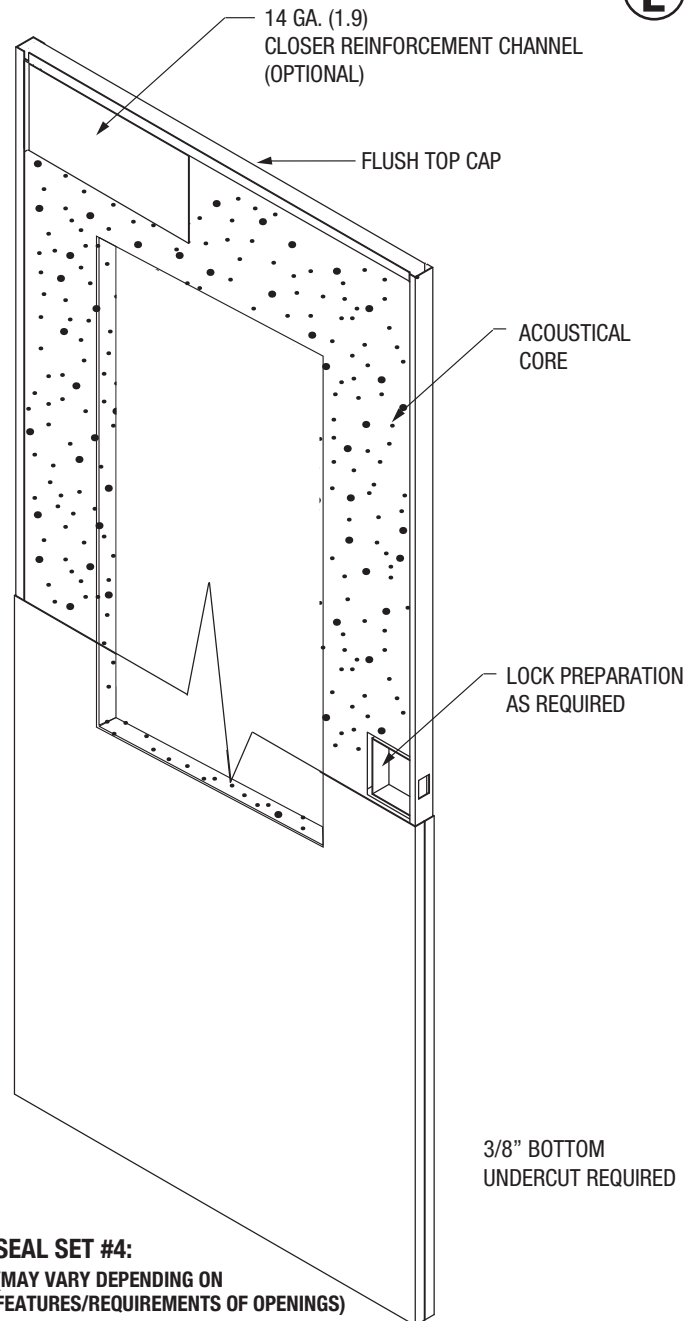
STC 37 WITH CYLINDRICAL, MORTISE OR RIM PANIC AND MAY INCLUDE UP TO AND INCLUDING A 1-1/2 HOUR FIRE RATING.

OPTIONAL LOCK PREPARATIONS WITH: UP TO AND INCLUDING 720 IN² OF 5/16" PYRAN PLATINUM GLASS

STC 37 WITH CYLINDRICAL LOCK AND MAY INCLUDE UP TO AND INCLUDING A 1-1/2 HOUR FIRE RATING.

OPENING SIZES:

MINIMUM SIZE - 2'0" X 6'8" SINGLE
MAXIMUM SIZE - 4'0" X 8'0" SINGLE

**SEAL SET #4:**

(MAY VARY DEPENDING ON FEATURES/REQUIREMENTS OF OPENINGS)

PERIMETER:

PEMCO S44
PEMCO S88
PEMCO S773

BOTTOM:

PEMCO 2008 PK
PEMCO ACP 112

MEETING EDGES:

PEMCO S88 (3)
PEMCO 303 AS (2)
ASTRAGAL STRIP 4441

May, 2016

**STANDARDS COMPLIANCE:**

ASTM E 90, ASTM E 1332, ASTM E2235, ASTM E413, SDI 128
AND HMMA 865

NOTES:

1. MUTES NOT ALLOWED
2. SURFACE CLOSER ONLY
3. STC LABEL APPLIED TO DOOR ONLY
4. WALL CONSTRUCTION NEEDS TO BE EQUAL OR GREATER
STC VALUE AS DOOR/FRAME
5. THE FRAME MUST BE MORTAR FILLED TO ACHIEVE AN STC RATING
OF 40 AND ABOVE
6. 1-3/4" THICK DOORS
7. FRAMES MUST BE SINGLE OR DOUBLE RABBET,
CONTINUOUSLY WELDED. 16 OR 14 GAUGE, STANDARD
HOLLOW METAL FRAME
8. HINGES - 4-1/2" STANDARD OR HEAVYWEIGHT,
5" STANDARD OR HEAVYWEIGHT
9. ELECTRIC RACEWAYS ARE ALLOWED
10. ALL SEALS & THRESHOLDS INCLUDED
11. OTHER NON-TESTED ASSEMBLIES ARE AVAILABLE.
CONTACT FACTORY FOR DETAILS

HARDWARE LIMITATIONS WITH FIRE RATINGS:**OPTIONAL LOCK PREPARATIONS WITH: UP TO AND INCLUDING 100 IN²
OF 5/16" PYRAN PLATINUM GLASS**

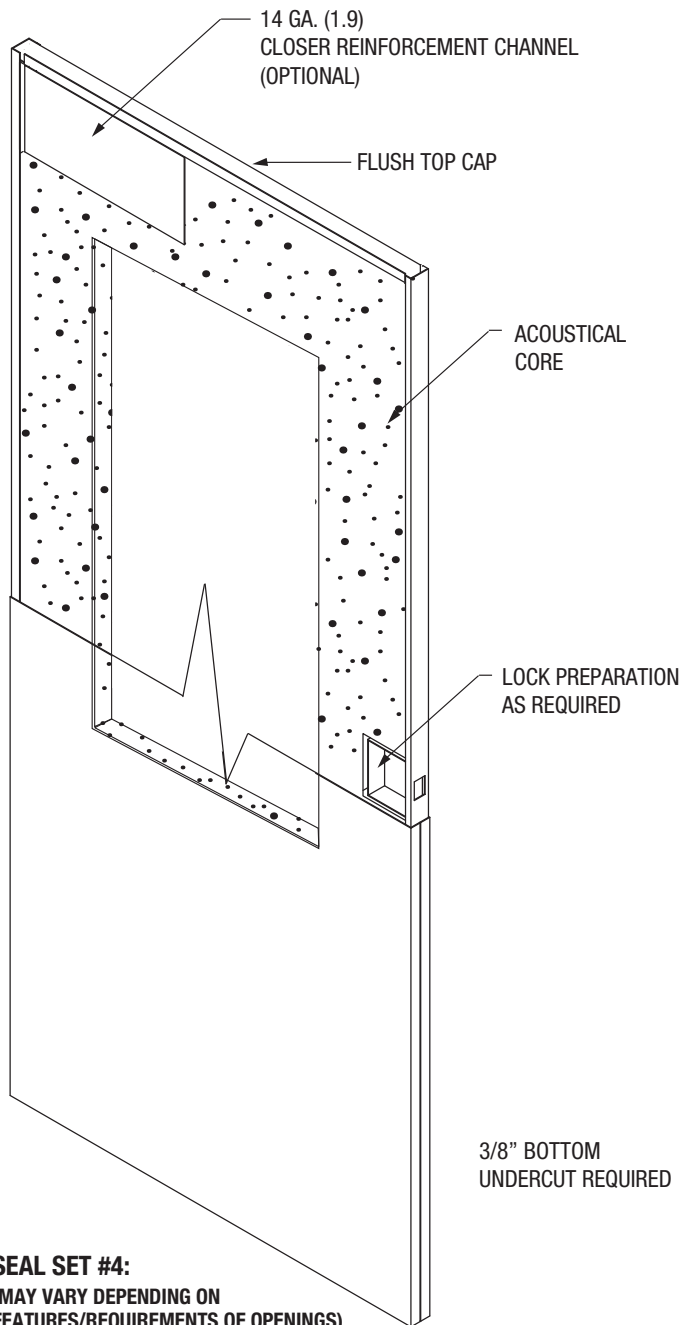
STC 38 WITH CYLINDRICAL, MORTISE OR RIM PANIC AND MAY
INCLUDE UP TO AND INCLUDING A 3 HOUR FIRE RATING.

**OPTIONAL LOCK PREPARATIONS WITH: UP TO AND INCLUDING 288 IN²
OF 5/16" PYRAN GLASS**

STC 38 WITH CYLINDRICAL, MORTISE OR RIM PANIC AND MAY
INCLUDE UP TO AND INCLUDING A 1-1/2 HOUR FIRE RATING.

OPENING SIZES:

MINIMUM SIZE - 2'0" X 6'8" SINGLE
MAXIMUM SIZE - 4'0" X 8'0" SINGLE

**SEAL SET #4:**

(MAY VARY DEPENDING ON
FEATURES/REQUIREMENTS OF OPENINGS)

PERIMETER:

PEMKO S44
PEMKO S88
PEMKO S773

BOTTOM:

PEMKO 2008 PK
PEMKO ACP 112

MEETING EDGES:

PEMKO S88 (3)
PEMKO 303 AS (2)
ASTRAGAL STRIP 4441



STANDARDS COMPLIANCE:

ASTM E 90, ASTM E 1332, ASTM E2235, ASTM E413, SDI 128 AND HMMA 865

NOTES:

1. MUTES NOT ALLOWED
2. SURFACE CLOSER ONLY
3. STC LABEL APPLIED TO DOOR ONLY
4. WALL CONSTRUCTION NEEDS TO BE EQUAL OR GREATER STC VALUE AS DOOR/FRAME
5. THE FRAME MUST BE MORTAR FILLED TO ACHIEVE AN STC RATING OF 40 AND ABOVE
6. 1-3/4" THICK DOORS
7. FRAMES MUST BE SINGLE OR DOUBLE RABBET, CONTINUOUSLY WELDED. 16 OR 14 GAUGE, STANDARD HOLLOW METAL FRAME
8. HINGES - 4-1/2" STANDARD OR HEAVYWEIGHT, 5" STANDARD OR HEAVYWEIGHT
9. ELECTRIC RACEWAYS ARE ALLOWED
10. ALL SEALS & THRESHOLDS INCLUDED
11. OTHER NON-TESTED ASSEMBLIES ARE AVAILABLE. CONTACT FACTORY FOR DETAILS

HARDWARE LIMITATIONS WITH FIRE RATINGS:

OPTIONAL LOCK PREPARATIONS WITH: UP TO AND INCLUDING 100 IN² OF 5/16" PYRAN PLATINUM GLASS

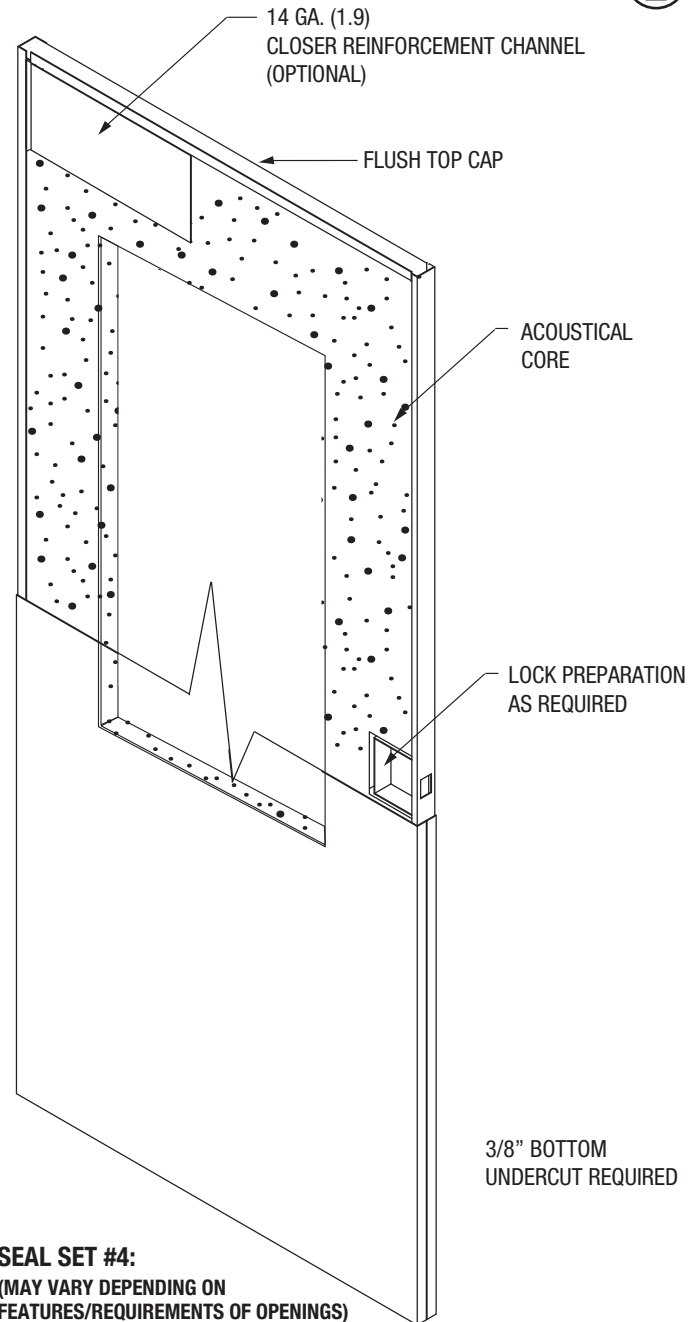
STC 39 WITH CYLINDRICAL, MORTISE OR RIM PANIC AND MAY INCLUDE UP TO AND INCLUDING A 3 HOUR FIRE RATING.

OPTIONAL LOCK PREPARATIONS WITH: UP TO AND INCLUDING 288 IN² OF 5/16" PYRAN GLASS

STC 39 WITH CYLINDRICAL, MORTISE OR RIM PANIC AND MAY INCLUDE UP TO AND INCLUDING A 1-1/2 HOUR FIRE RATING.

OPENING SIZES:

MINIMUM SIZE - 2'0" X 6'8" SINGLE
 MAXIMUM SIZE - 4'0" X 8'0" SINGLE



SEAL SET #4:

(MAY VARY DEPENDING ON FEATURES/REQUIREMENTS OF OPENINGS)

PERIMETER:
 PEMKO S44
 PEMKO S88
 PEMKO S773

BOTTOM:
 PEMKO 2008 PK
 PEMKO ACP 112

MEETING EDGES:
 PEMKO S88 (3)
 PEMKO 303 AS (2)
 ASTRAGAL STRIP 4441

May, 2016

**STANDARDS COMPLIANCE:**

ASTM E 90, ASTM E 1332, ASTM E2235, ASTM E413, SDI 128 AND HMMA 865

NOTES:

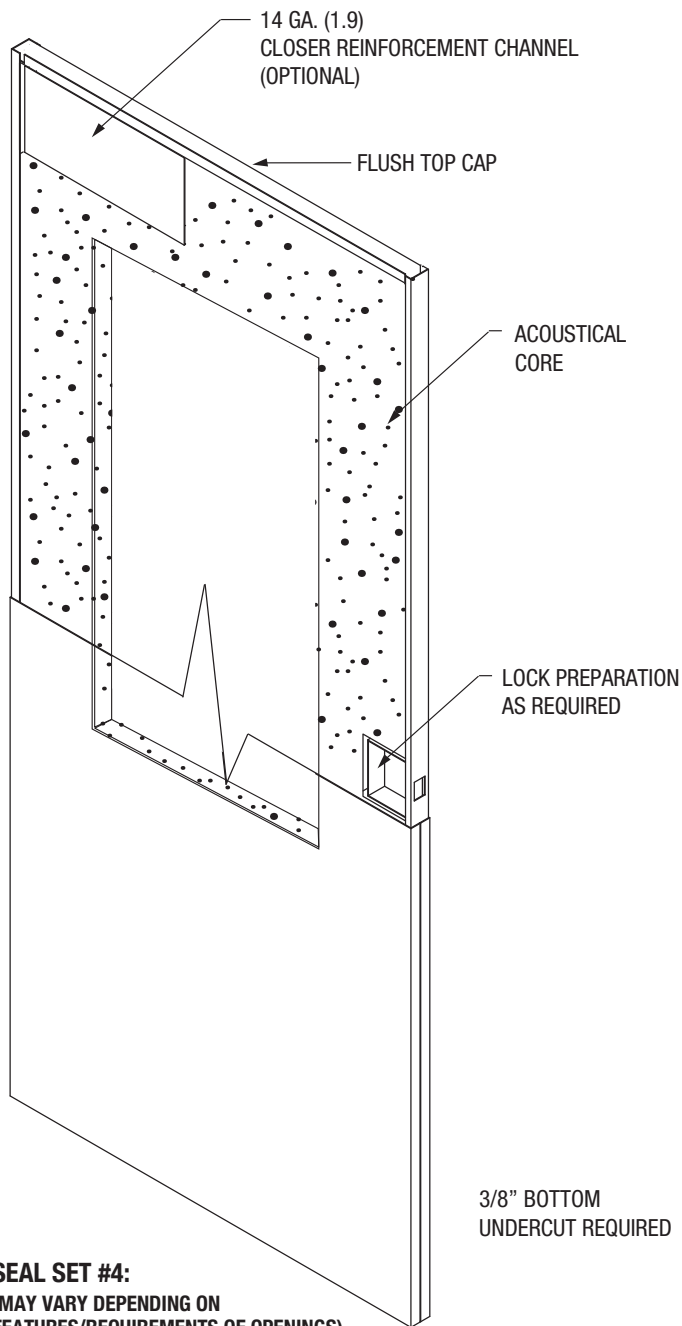
1. MUTES NOT ALLOWED
2. SURFACE CLOSER ONLY
3. STC LABEL APPLIED TO DOOR ONLY
4. WALL CONSTRUCTION NEEDS TO BE EQUAL OR GREATER STC VALUE AS DOOR/FRAME
5. THE FRAME MUST BE MORTAR FILLED TO ACHIEVE AN STC RATING OF 40 AND ABOVE
6. 1-3/4" THICK DOORS
7. FRAMES MUST BE SINGLE OR DOUBLE RABBET, CONTINUOUSLY WELDED. 16 OR 14 GAUGE, STANDARD HOLLOW METAL FRAME
8. HINGES - 4-1/2" STANDARD OR HEAVYWEIGHT, 5" STANDARD OR HEAVYWEIGHT
9. ELECTRIC RACEWAYS ARE ALLOWED
10. ALL SEALS & THRESHOLDS INCLUDED
11. OTHER NON-TESTED ASSEMBLIES ARE AVAILABLE. CONTACT FACTORY FOR DETAILS

HARDWARE LIMITATIONS WITH FIRE RATINGS:**OPTIONAL LOCK PREPARATIONS WITH: UP TO AND INCLUDING 100 IN² OF 5/16" PYRAN PLATINUM GLASS**

STC 40 WITH CYLINDRICAL, MORTISE OR RIM PANIC AND MAY INCLUDE UP TO AND INCLUDING A 3 HOUR FIRE RATING.

OPTIONAL LOCK PREPARATIONS WITH: UP TO AND INCLUDING 288 IN² OF 5/16" PYRAN GLASS

STC 40 WITH CYLINDRICAL OR MORTISE LOCK AND MAY INCLUDE UP TO AND INCLUDING A 1-1/2 HOUR FIRE RATING.

OPENING SIZES:MINIMUM SIZE - 2'0" X 6'8" SINGLE
MAXIMUM SIZE - 4'0" X 8'0" SINGLE**SEAL SET #4:**

(MAY VARY DEPENDING ON FEATURES/REQUIREMENTS OF OPENINGS)

PERIMETER:PEMKO S44
PEMKO S88
PEMKO S773**BOTTOM:**PEMKO 2008 PK
PEMKO ACP 112**MEETING EDGES:**PEMKO S88 (3)
PEMKO 303 AS (2)
ASTRAGAL STRIP 4441

**STANDARDS COMPLIANCE:**

ASTM E 90, ASTM E 1332, ASTM E2235, ASTM E413, SDI 128
AND HMMMA 865

NOTES:

1. MUTES NOT ALLOWED
2. SURFACE CLOSER ONLY
3. STC LABEL APPLIED TO DOOR ONLY
4. WALL CONSTRUCTION NEEDS TO BE EQUAL OR GREATER STC VALUE AS DOOR/FRAME
5. THE FRAME MUST BE MORTAR FILLED TO ACHIEVE AN STC RATING OF 40 AND ABOVE
6. 1-3/4" THICK DOORS
7. FRAMES MUST BE SINGLE OR DOUBLE RABBET, CONTINUOUSLY WELDED. 16 OR 14 GAUGE, STANDARD HOLLOW METAL FRAME
8. HINGES - 4-1/2" STANDARD OR HEAVYWEIGHT, 5" STANDARD OR HEAVYWEIGHT
9. ELECTRIC RACEWAYS ARE ALLOWED
10. ALL SEALS & THRESHOLDS INCLUDED
11. OTHER NON-TESTED ASSEMBLIES ARE AVAILABLE. CONTACT FACTORY FOR DETAILS

HARDWARE LIMITATIONS WITH FIRE RATINGS:**OPTIONAL LOCK PREPARATIONS WITH: UP TO AND INCLUDING 100 IN² OF 5/16" PYRAN PLATINUM GLASS**

STC 41 WITH CYLINDRICAL, MORTISE OR RIM PANIC AND MAY INCLUDE UP TO AND INCLUDING A 3 HOUR FIRE RATING.

OPTIONAL LOCK PREPARATIONS WITH: UP TO AND INCLUDING 288 IN² OF 5/16" PYRAN GLASS

STC 41 WITH CYLINDRICAL LOCK AND MAY INCLUDE UP TO AND INCLUDING A 1-1/2 HOUR FIRE RATING.

OPENING SIZES:

MINIMUM SIZE - 2'0" X 6'8" SINGLE
MAXIMUM SIZE - 4'0" X 8'0" SINGLE

SEAL SET #4:

(MAY VARY DEPENDING ON FEATURES/REQUIREMENTS OF OPENINGS)

PERIMETER:

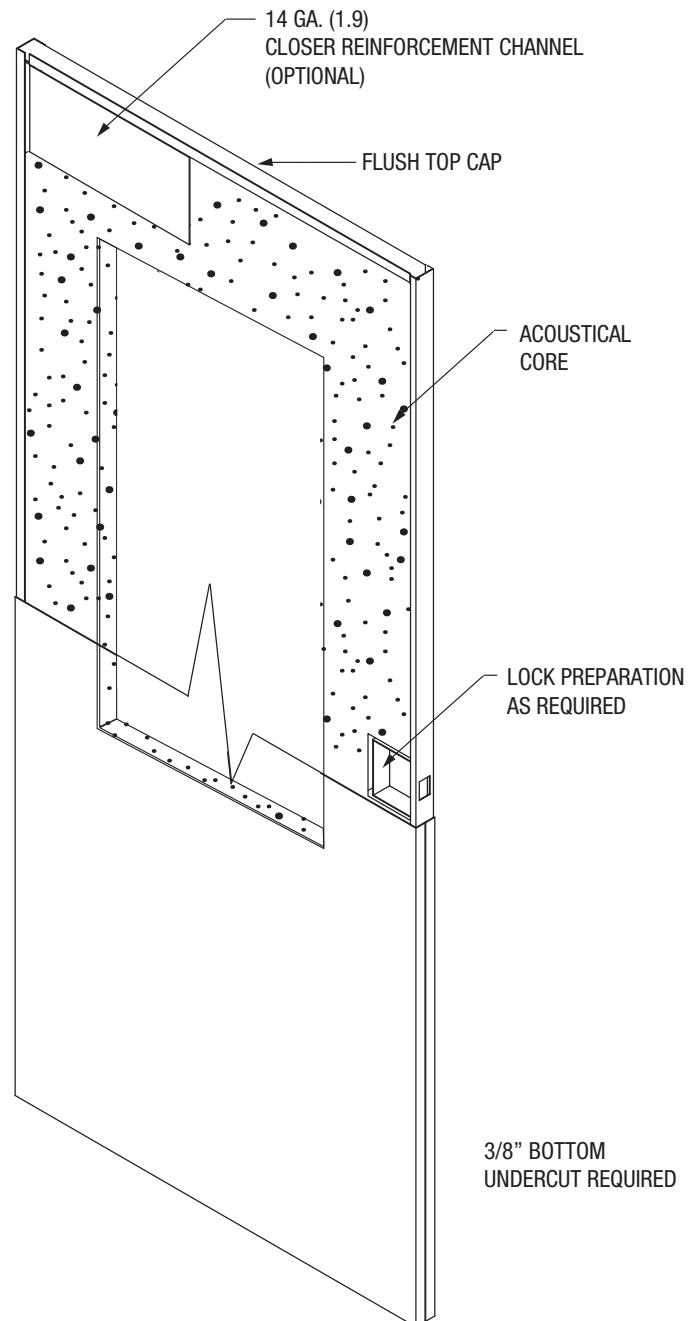
PEMKO S44
PEMKO S88
PEMKO S773

BOTTOM:

PEMKO 2008 PK
PEMKO ACP 112

MEETING EDGES:

PEMKO S88 (3)
PEMKO 303 AS (2)
ASTRAGAL STRIP 4441



178 757 (STC 42) Sound Door Construction - Paired With Glass

Sound Door Technical Data



May, 2016



STANDARDS COMPLIANCE:

ASTM E 90, ASTM E 1332, ASTM E2235, ASTM E413, SDI 128
AND HMMA 865

NOTES:

1. MUTES NOT ALLOWED
2. SURFACE CLOSER ONLY
3. STC LABEL APPLIED TO DOOR ONLY
4. WALL CONSTRUCTION NEEDS TO BE EQUAL OR GREATER STC VALUE AS DOOR/FRAME
5. THE FRAME MUST BE MORTAR FILLED TO ACHIEVE AN STC RATING OF 40 AND ABOVE
6. 1-3/4" THICK DOORS
7. FRAMES MUST BE SINGLE OR DOUBLE RABBET, CONTINUOUSLY WELDED. 16 OR 14 GAUGE, STANDARD HOLLOW METAL FRAME
8. HINGES - 4-1/2" STANDARD OR HEAVYWEIGHT, 5" STANDARD OR HEAVYWEIGHT
9. ELECTRIC RACEWAYS ARE ALLOWED
10. ALL SEALS & THRESHOLDS INCLUDED
11. OTHER NON-TESTED ASSEMBLIES ARE AVAILABLE. CONTACT FACTORY FOR DETAILS

HARDWARE LIMITATIONS WITH FIRE RATINGS:

OPTIONAL LOCK PREPARATIONS WITH: UP TO AND INCLUDING 100 IN² OF 5/16" PYRAN PLATINUM GLASS

STC 42 WITH CYLINDRICAL, MORTISE OR RIM PANIC AND MAY INCLUDE UP TO AND INCLUDING A 3 HOUR FIRE RATING.

OPENING SIZES:

MINIMUM SIZE - 2'0" X 6'8" SINGLE
MAXIMUM SIZE - 4'0" X 8'0" SINGLE

SEAL SET #4:

(MAY VARY DEPENDING ON
FEATURES/REQUIREMENTS OF OPENINGS)

PERIMETER:

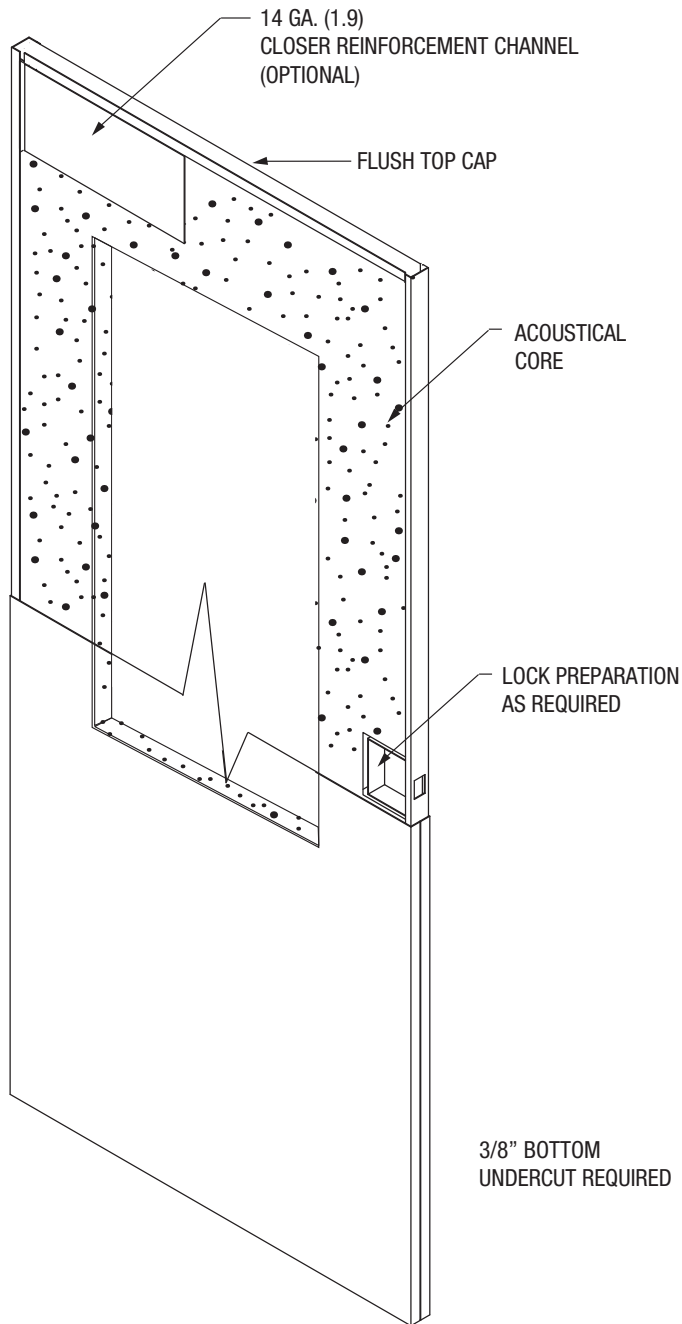
PEMKO S44
PEMKO S88
PEMKO S773

BOTTOM:

PEMKO 2008 PK
PEMKO ACP 112

MEETING EDGES:

PEMKO S88 (3)
PEMKO 303 AS (2)
ASTRAGAL STRIP 4441



**STANDARDS COMPLIANCE:**

ASTM E 90, ASTM E 1332, ASTM E2235, ASTM E413, SDI 128
AND HMMA 865

NOTES:

1. MUTES NOT ALLOWED
2. SURFACE CLOSER ONLY
3. STC LABEL APPLIED TO DOOR ONLY
4. WALL CONSTRUCTION NEEDS TO BE EQUAL OR GREATER
STC VALUE AS DOOR/FRAME
5. THE FRAME MUST BE MORTAR FILLED TO ACHIEVE AN STC RATING
OF 40 AND ABOVE
6. 1-3/4" THICK DOORS
7. FRAMES MUST BE SINGLE OR DOUBLE RABBET,
CONTINUOUSLY WELDED. 16 OR 14 GAUGE, STANDARD
HOLLOW METAL FRAME
8. HINGES - 4-1/2" STANDARD OR HEAVYWEIGHT,
5" STANDARD OR HEAVYWEIGHT
9. ELECTRIC RACEWAYS ARE ALLOWED
10. ALL SEALS & THRESHOLDS INCLUDED
11. OTHER NON-TESTED ASSEMBLIES ARE AVAILABLE.
CONTACT FACTORY FOR DETAILS

HARDWARE LIMITATIONS WITH FIRE RATINGS:

**OPTIONAL LOCK PREPARATIONS WITH: UP TO AND INCLUDING 100 IN²
OF 5/16" PYRAN PLATINUM GLASS**

STC 43 WITH CYLINDRICAL OR MORTISE LOCK AND MAY INCLUDE UP
TO AND INCLUDING A 3 HOUR FIRE RATING.

OPENING SIZES:

MINIMUM SIZE - 2'0" X 6'8" SINGLE
MAXIMUM SIZE - 4'0" X 8'0" SINGLE

SEAL SET #4:

(MAY VARY DEPENDING ON
FEATURES/REQUIREMENTS OF OPENINGS)

PERIMETER:

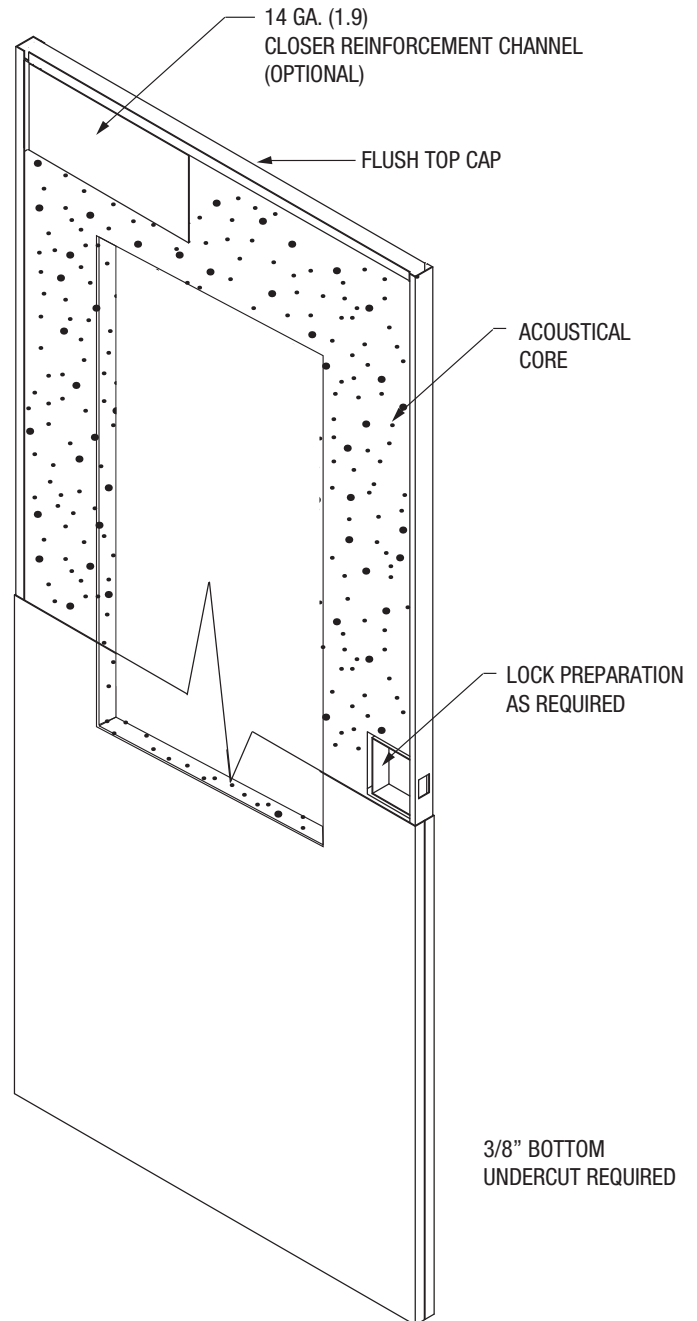
PEMKO S44
PEMKO S88
PEMKO S773

BOTTOM:

PEMKO 2008 PK
PEMKO ACP 112

MEETING EDGES:

PEMKO S88 (3)
PEMKO 303 AS (2)
ASTRAGAL STRIP 4441



180 757 (STC 44) Sound Door Construction - Paired With Glass

Sound Door Technical Data



CURRIES

ASSA ABLOY

May, 2016



STANDARDS COMPLIANCE:

ASTM E 90, ASTM E 1332, ASTM E2235, ASTM E413, SDI 128
AND HMMA 865

NOTES:

1. MUTES NOT ALLOWED
2. SURFACE CLOSER ONLY
3. STC LABEL APPLIED TO DOOR ONLY
4. WALL CONSTRUCTION NEEDS TO BE EQUAL OR GREATER STC VALUE AS DOOR/FRAME
5. THE FRAME MUST BE MORTAR FILLED TO ACHIEVE AN STC RATING OF 40 AND ABOVE
6. 1-3/4" THICK DOORS
7. FRAMES MUST BE SINGLE OR DOUBLE RABBET, CONTINUOUSLY WELDED. 16 OR 14 GAUGE, STANDARD HOLLOW METAL FRAME
8. HINGES - 4-1/2" STANDARD OR HEAVYWEIGHT, 5" STANDARD OR HEAVYWEIGHT
9. ELECTRIC RACEWAYS ARE ALLOWED
10. ALL SEALS & THRESHOLDS INCLUDED
11. OTHER NON-TESTED ASSEMBLIES ARE AVAILABLE. CONTACT FACTORY FOR DETAILS

HARDWARE LIMITATIONS WITH FIRE RATINGS:

OPTIONAL LOCK PREPARATIONS WITH: UP TO AND INCLUDING 100 IN² OF 5/16" PYRAN PLATINUM GLASS

STC 44 WITH CYLINDRICAL ONLY AND MAY INCLUDE UP TO AND INCLUDING A 3 HOUR FIRE RATING.

OPENING SIZES:

MINIMUM SIZE - 2'0" X 6'8" SINGLE
MAXIMUM SIZE - 4'0" X 8'0" SINGLE

SEAL SET #4:

(MAY VARY DEPENDING ON
FEATURES/REQUIREMENTS OF OPENINGS)

PERIMETER:

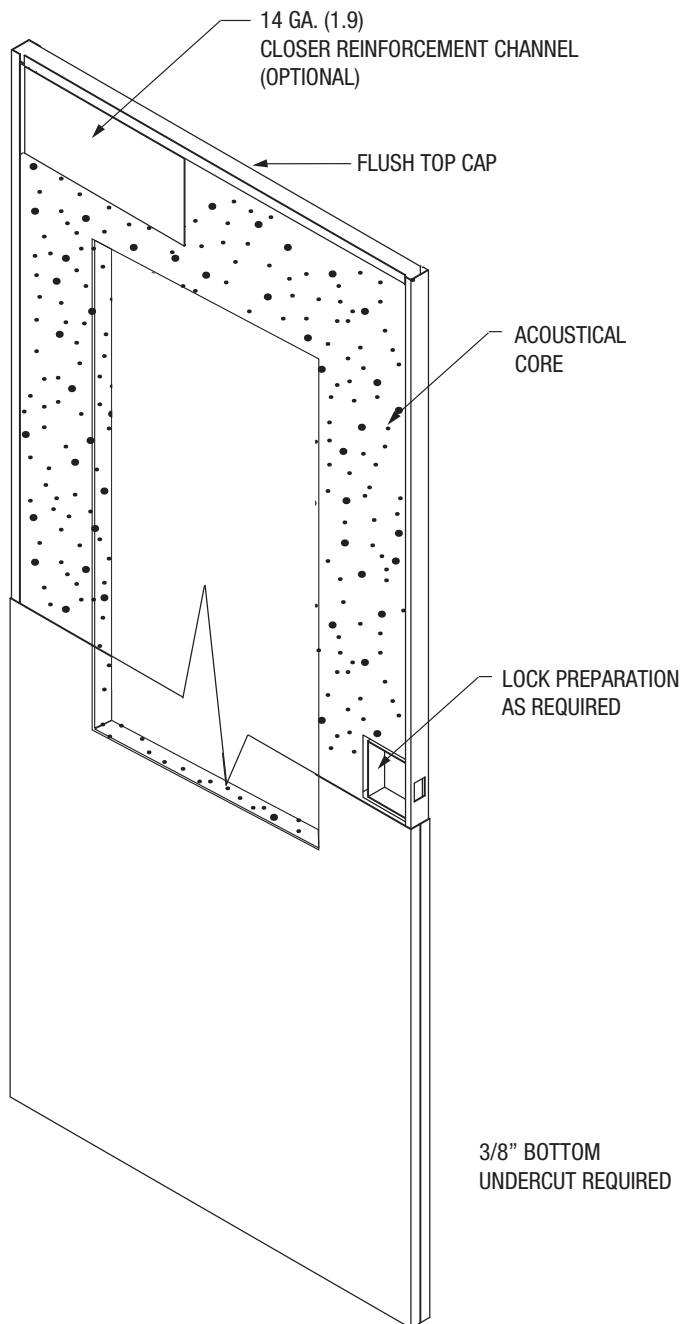
PEMKO S44
PEMKO S88
PEMKO S773

BOTTOM:

PEMKO 2008 PK
PEMKO ACP 112

MEETING EDGES:

PEMKO S88 (3)
PEMKO 303 AS (2)
ASTRAGAL STRIP 4441



**STANDARDS COMPLIANCE:**

ASTM E 90, ASTM E 1332, ASTM E2235, ASTM E413, SDI 128
AND HMMA 865

NOTES:

1. MUTES NOT ALLOWED
2. SURFACE CLOSER ONLY
3. STC LABEL APPLIED TO DOOR ONLY
4. WALL CONSTRUCTION NEEDS TO BE EQUAL OR GREATER STC VALUE AS DOOR/FRAME
5. THE FRAME MUST BE MORTAR FILLED TO ACHIEVE AN STC RATING OF 40 AND ABOVE
6. 1-3/4" THICK DOORS
7. FRAMES MUST BE SINGLE OR DOUBLE RABBET, CONTINUOUSLY WELDED. 16 OR 14 GAUGE, STANDARD HOLLOW METAL FRAME
8. HINGES - 4-1/2" STANDARD OR HEAVYWEIGHT, 5" STANDARD OR HEAVYWEIGHT
9. ELECTRIC RACEWAYS ARE ALLOWED
10. ALL SEALS & THRESHOLDS INCLUDED
11. OTHER NON-TESTED ASSEMBLIES ARE AVAILABLE. CONTACT FACTORY FOR DETAILS

HARDWARE LIMITATIONS WITH FIRE RATINGS:

OPTIONAL LOCK PREPARATIONS WITH: UP TO AND INCLUDING 100 IN² OF 5/16" PYRAN PLATINUM GLASS

SURFACE VERTICAL ROD X SURFACE VERTICAL ROD

OPTIONAL LOCK PREPARATIONS WITH: UP TO AND INCLUDING 288 IN² OF 5/16" PYRAN GLASS

SURFACE VERTICAL ROD X SURFACE VERTICAL ROD

OPTIONAL LOCK PREPARATIONS WITH: UP TO AND INCLUDING 720 IN² OF 5/16" PYRAN PLATINUM GLASS

SURFACE VERTICAL ROD X SURFACE VERTICAL ROD

OPENING SIZES:

MINIMUM SIZE - 2'0" X 6'8" SINGLE
MAXIMUM SIZE - 4'0" X 8'0" SINGLE

SEAL SET #13:

(MAY VARY DEPENDING ON FEATURES/REQUIREMENTS OF OPENINGS)

PERIMETER:

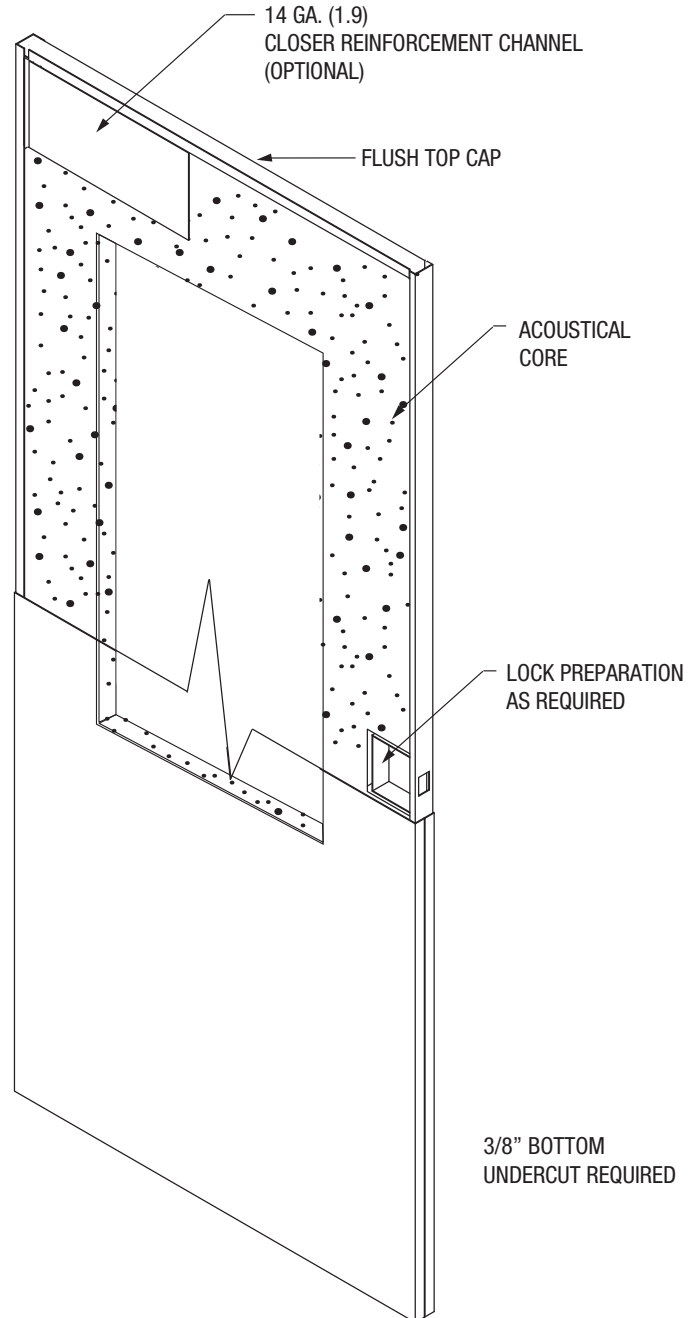
PEMKO S44
PEMKO S88
PEMKO S773

BOTTOM:

PEMKO 2008 PK
PEMKO ACP 112

MEETING EDGES:

PEMKO S88 (4)
PEMKO 303 AS (4)



May, 2016

**STANDARDS COMPLIANCE:**

ASTM E 90, ASTM E 1332, ASTM E2235, ASTM E413, SDI 128
AND HMMA 865

NOTES:

1. MUTES NOT ALLOWED
2. SURFACE CLOSER ONLY
3. STC LABEL APPLIED TO DOOR ONLY
4. WALL CONSTRUCTION NEEDS TO BE EQUAL OR GREATER STC VALUE AS DOOR/FRAME
5. THE FRAME MUST BE MORTAR FILLED TO ACHIEVE AN STC RATING OF 40 AND ABOVE
6. 1-3/4" THICK DOORS
7. FRAMES MUST BE SINGLE OR DOUBLE RABBET, CONTINUOUSLY WELDED. 16 OR 14 GAUGE, STANDARD HOLLOW METAL FRAME
8. HINGES - 4-1/2" STANDARD OR HEAVYWEIGHT, 5" STANDARD OR HEAVYWEIGHT
9. ELECTRIC RACEWAYS ARE ALLOWED
10. ALL SEALS & THRESHOLDS INCLUDED
11. OTHER NON-TESTED ASSEMBLIES ARE AVAILABLE. CONTACT FACTORY FOR DETAILS

HARDWARE LIMITATIONS WITH FIRE RATINGS:

OPTIONAL LOCK PREPARATIONS WITH: UP TO AND INCLUDING 100 IN² OF 5/16" PYRAN PLATINUM GLASS

SURFACE VERTICAL ROD X SURFACE VERTICAL ROD

OPTIONAL LOCK PREPARATIONS WITH: UP TO AND INCLUDING 288 IN² OF 5/16" PYRAN GLASS

SURFACE VERTICAL ROD X SURFACE VERTICAL ROD

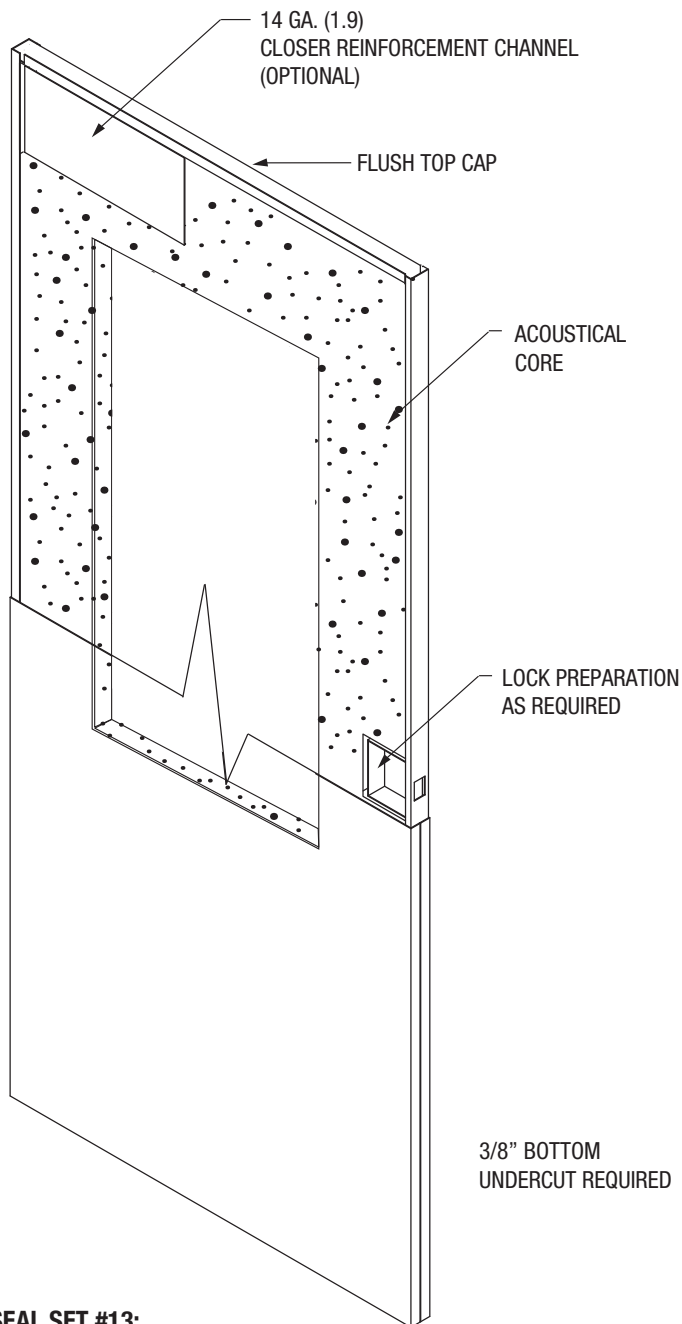
OPTIONAL LOCK PREPARATIONS WITH: UP TO AND INCLUDING 720 IN² OF 5/16" PYRAN PLATINUM GLASS

SURFACE VERTICAL ROD X SURFACE VERTICAL ROD

OPENING SIZES:

MINIMUM SIZE - 2'0" X 6'8" SINGLE

MAXIMUM SIZE - 4'0" X 8'0" SINGLE

**SEAL SET #13:**

(MAY VARY DEPENDING ON FEATURES/REQUIREMENTS OF OPENINGS)

PERIMETER:

PEMKO S44

PEMKO S88

PEMKO S773

BOTTOM:

PEMKO 2008 PK

PEMKO ACP 112

MEETING EDGES:

PEMKO S88 (4)

PEMKO 303 AS (4)



STANDARDS COMPLIANCE:

ASTM E 90, ASTM E 1332, ASTM E2235, ASTM E413, SDI 128
AND HMMMA 865

NOTES:

1. MUTES NOT ALLOWED
2. SURFACE CLOSER ONLY
3. STC LABEL APPLIED TO DOOR ONLY
4. WALL CONSTRUCTION NEEDS TO BE EQUAL OR GREATER STC VALUE AS DOOR/FRAME
5. THE FRAME MUST BE MORTAR FILLED TO ACHIEVE AN STC RATING OF 40 AND ABOVE
6. 1-3/4" THICK DOORS
7. FRAMES MUST BE SINGLE OR DOUBLE RABBET, CONTINUOUSLY WELDED. 16 OR 14 GAUGE, STANDARD HOLLOW METAL FRAME
8. HINGES - 4-1/2" STANDARD OR HEAVYWEIGHT, 5" STANDARD OR HEAVYWEIGHT
9. ELECTRIC RACEWAYS ARE ALLOWED
10. ALL SEALS & THRESHOLDS INCLUDED
11. OTHER NON-TESTED ASSEMBLIES ARE AVAILABLE. CONTACT FACTORY FOR DETAILS

HARDWARE LIMITATIONS WITH FIRE RATINGS:

OPTIONAL LOCK PREPARATIONS WITH: UP TO AND INCLUDING 100 IN² OF 5/16" PYRAN PLATINUM GLASS
SURFACE VERTICAL ROD X SURFACE VERTICAL ROD

OPTIONAL LOCK PREPARATIONS WITH: UP TO AND INCLUDING 288 IN² OF 5/16" PYRAN GLASS
SURFACE VERTICAL ROD X SURFACE VERTICAL ROD

OPTIONAL LOCK PREPARATIONS WITH: UP TO AND INCLUDING 720 IN² OF 5/16" PYRAN PLATINUM GLASS
SURFACE VERTICAL ROD X SURFACE VERTICAL ROD

OPENING SIZES:

MINIMUM SIZE - 2'0" X 6'8" SINGLE
MAXIMUM SIZE - 4'0" X 8'0" SINGLE

SEAL SET #13:

(MAY VARY DEPENDING ON FEATURES/REQUIREMENTS OF OPENINGS)

PERIMETER:

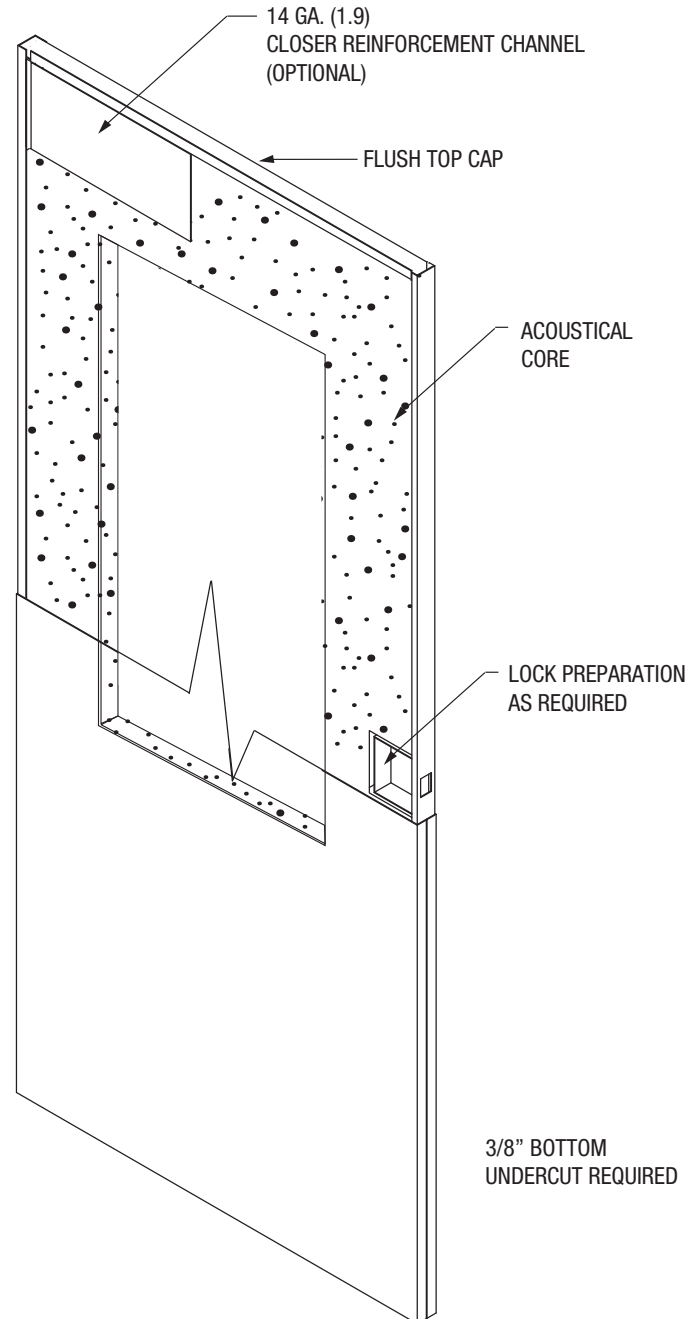
PEMKO S44
PEMKO S88
PEMKO S773

BOTTOM:

PEMKO 2008 PK
PEMKO ACP 112

MEETING EDGES:

PEMKO S88 (4)
PEMKO 303 AS (4)



May, 2016

**STANDARDS COMPLIANCE:**

ASTM E 90, ASTM E 1332, ASTM E2235, ASTM E413, SDI 128
AND HMMMA 865

NOTES:

1. MUTES NOT ALLOWED
2. SURFACE CLOSER ONLY
3. STC LABEL APPLIED TO DOOR ONLY
4. WALL CONSTRUCTION NEEDS TO BE EQUAL OR GREATER STC VALUE AS DOOR/FRAME
5. THE FRAME MUST BE MORTAR FILLED TO ACHIEVE AN STC RATING OF 40 AND ABOVE
6. 1-3/4" THICK DOORS
7. FRAMES MUST BE SINGLE OR DOUBLE RABBET, CONTINUOUSLY WELDED. 16 OR 14 GAUGE, STANDARD HOLLOW METAL FRAME
8. HINGES - 4-1/2" STANDARD OR HEAVYWEIGHT, 5" STANDARD OR HEAVYWEIGHT
9. ELECTRIC RACEWAYS ARE ALLOWED
10. ALL SEALS & THRESHOLDS INCLUDED
11. OTHER NON-TESTED ASSEMBLIES ARE AVAILABLE. CONTACT FACTORY FOR DETAILS

HARDWARE LIMITATIONS WITH FIRE RATINGS:

OPTIONAL LOCK PREPARATIONS WITH: UP TO AND INCLUDING 100 IN² OF 5/16" PYRAN PLATINUM GLASS

SURFACE VERTICAL ROD X SURFACE VERTICAL ROD

OPTIONAL LOCK PREPARATIONS WITH: UP TO AND INCLUDING 288 IN² OF 5/16" PYRAN GLASS

SURFACE VERTICAL ROD X SURFACE VERTICAL ROD

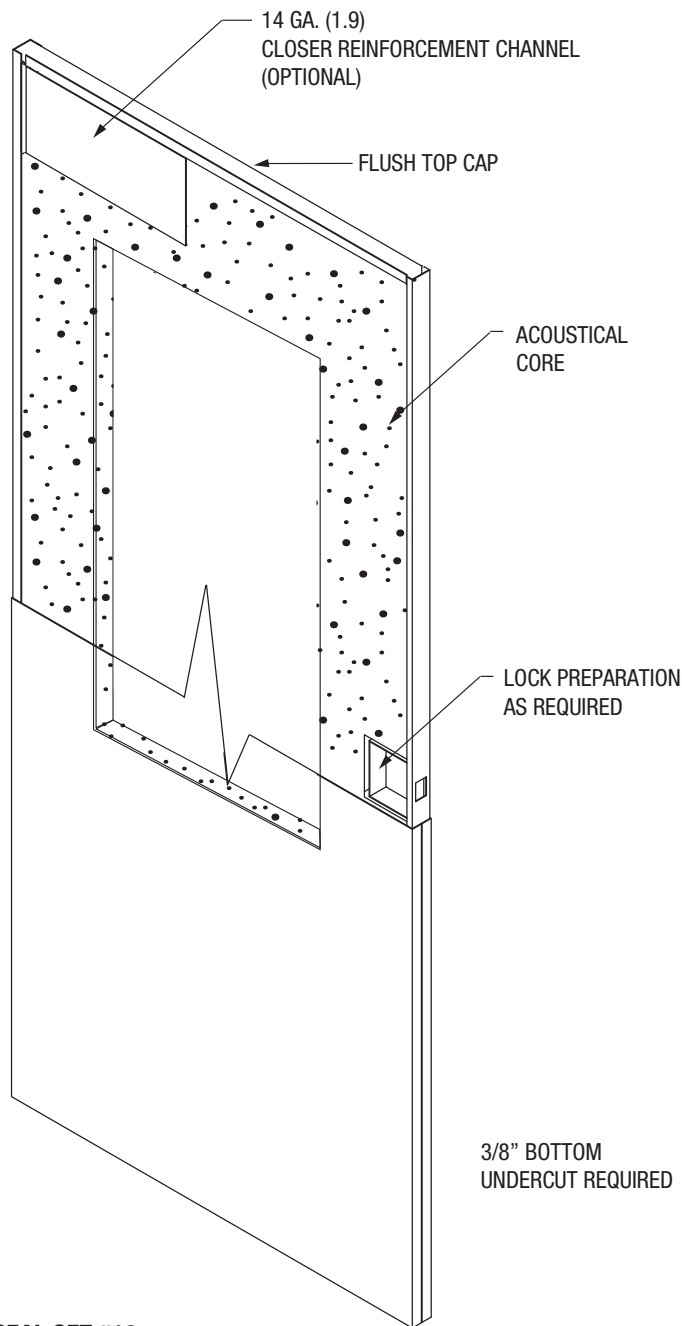
OPTIONAL LOCK PREPARATIONS WITH: UP TO AND INCLUDING 720 IN² OF 5/16" PYRAN PLATINUM GLASS

SURFACE VERTICAL ROD X SURFACE VERTICAL ROD

OPENING SIZES:

MINIMUM SIZE - 2'0" X 6'8" SINGLE

MAXIMUM SIZE - 4'0" X 8'0" SINGLE

**SEAL SET #13:**

(MAY VARY DEPENDING ON FEATURES/REQUIREMENTS OF OPENINGS)

PERIMETER:

PEMKO S44

PEMKO S88

PEMKO S773

BOTTOM:

PEMKO 2008 PK

PEMKO ACP 112

MEETING EDGES:

PEMKO S88 (4)

PEMKO 303 AS (4)

**STANDARDS COMPLIANCE:**

ASTM E 90, ASTM E 1332, ASTM E2235, ASTM E413, SDI 128
AND HMMMA 865

NOTES:

1. MUTES NOT ALLOWED
2. SURFACE CLOSER ONLY
3. STC LABEL APPLIED TO DOOR ONLY
4. WALL CONSTRUCTION NEEDS TO BE EQUAL OR GREATER STC VALUE AS DOOR/FRAME
5. THE FRAME MUST BE MORTAR FILLED TO ACHIEVE AN STC RATING OF 40 AND ABOVE
6. 1-3/4" THICK DOORS
7. FRAMES MUST BE SINGLE OR DOUBLE RABBET, CONTINUOUSLY WELDED. 16 OR 14 GAUGE, STANDARD HOLLOW METAL FRAME
8. HINGES - 4-1/2" STANDARD OR HEAVYWEIGHT, 5" STANDARD OR HEAVYWEIGHT
9. ELECTRIC RACEWAYS ARE ALLOWED
10. ALL SEALS & THRESHOLDS INCLUDED
11. OTHER NON-TESTED ASSEMBLIES ARE AVAILABLE. CONTACT FACTORY FOR DETAILS

HARDWARE LIMITATIONS WITH FIRE RATINGS:

OPTIONAL LOCK PREPARATIONS WITH: UP TO AND INCLUDING 100 IN² OF 5/16" PYRAN PLATINUM GLASS
SURFACE VERTICAL ROD X SURFACE VERTICAL ROD

OPTIONAL LOCK PREPARATIONS WITH: UP TO AND INCLUDING 288 IN² OF 5/16" PYRAN GLASS
SURFACE VERTICAL ROD X SURFACE VERTICAL ROD

OPTIONAL LOCK PREPARATIONS WITH: UP TO AND INCLUDING 720 IN² OF 5/16" PYRAN PLATINUM GLASS
SURFACE VERTICAL ROD X SURFACE VERTICAL ROD

OPENING SIZES:

MINIMUM SIZE - 2'0" X 6'8" SINGLE
MAXIMUM SIZE - 4'0" X 8'0" SINGLE

SEAL SET #13:

(MAY VARY DEPENDING ON FEATURES/REQUIREMENTS OF OPENINGS)

PERIMETER:

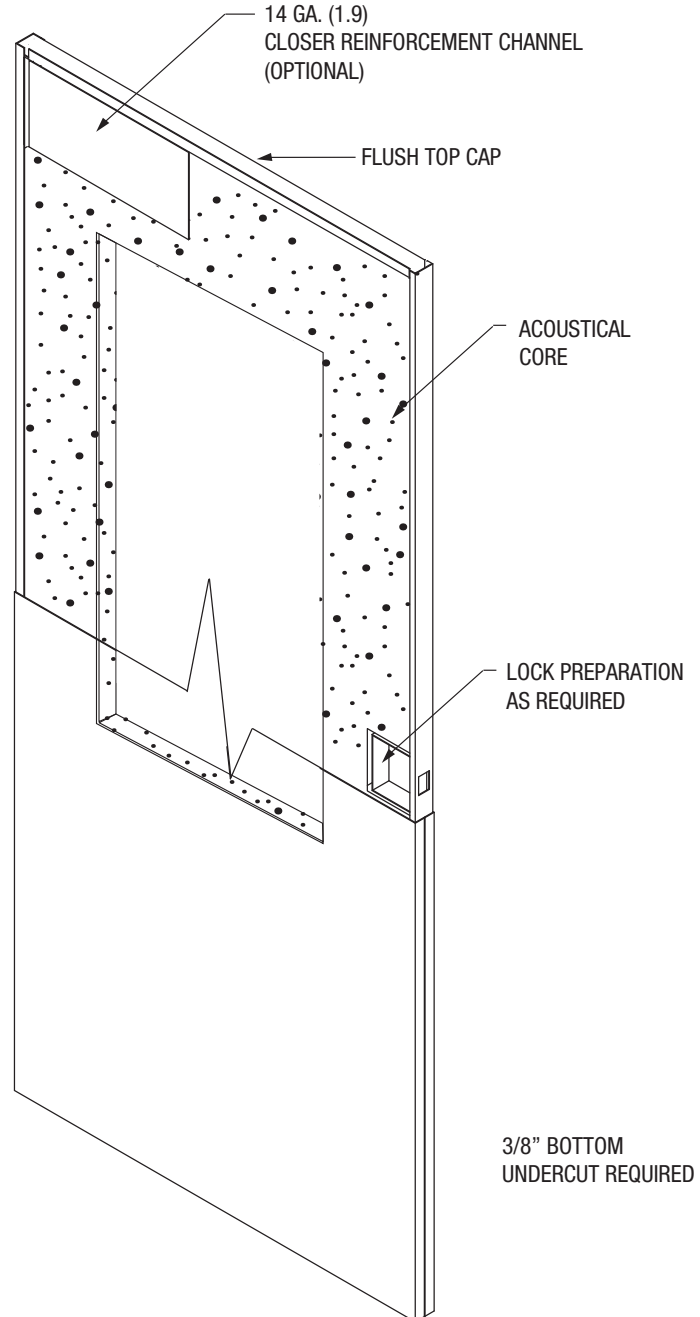
PEMKO S44
PEMKO S88
PEMKO S773

BOTTOM:

PEMKO 2008 PK
PEMKO ACP 112

MEETING EDGES:

PEMKO S88 (4)
PEMKO 303 AS (4)



May, 2016

**STANDARDS COMPLIANCE:**

ASTM E 90, ASTM E 1332, ASTM E2235, ASTM E413, SDI 128
AND HMMA 865

NOTES:

1. MUTES NOT ALLOWED
2. SURFACE CLOSER ONLY
3. STC LABEL APPLIED TO DOOR ONLY
4. WALL CONSTRUCTION NEEDS TO BE EQUAL OR GREATER STC VALUE AS DOOR/FRAME
5. THE FRAME MUST BE MORTAR FILLED TO ACHIEVE AN STC RATING OF 40 AND ABOVE
6. 1-3/4" THICK DOORS
7. FRAMES MUST BE SINGLE OR DOUBLE RABBET, CONTINUOUSLY WELDED. 16 OR 14 GAUGE, STANDARD HOLLOW METAL FRAME
8. HINGES - 4-1/2" STANDARD OR HEAVYWEIGHT, 5" STANDARD OR HEAVYWEIGHT
9. ELECTRIC RACEWAYS ARE ALLOWED
10. ALL SEALS & THRESHOLDS INCLUDED
11. OTHER NON-TESTED ASSEMBLIES ARE AVAILABLE. CONTACT FACTORY FOR DETAILS

HARDWARE LIMITATIONS WITH FIRE RATINGS:**OPTIONAL LOCK PREPARATIONS WITH: UP TO AND INCLUDING 100 IN² OF 5/16" PYRAN PLATINUM GLASS**

SURFACE VERTICAL ROD X SURFACE VERTICAL ROD

OPTIONAL LOCK PREPARATIONS WITH: UP TO AND INCLUDING 288 IN² OF 5/16" PYRAN GLASS

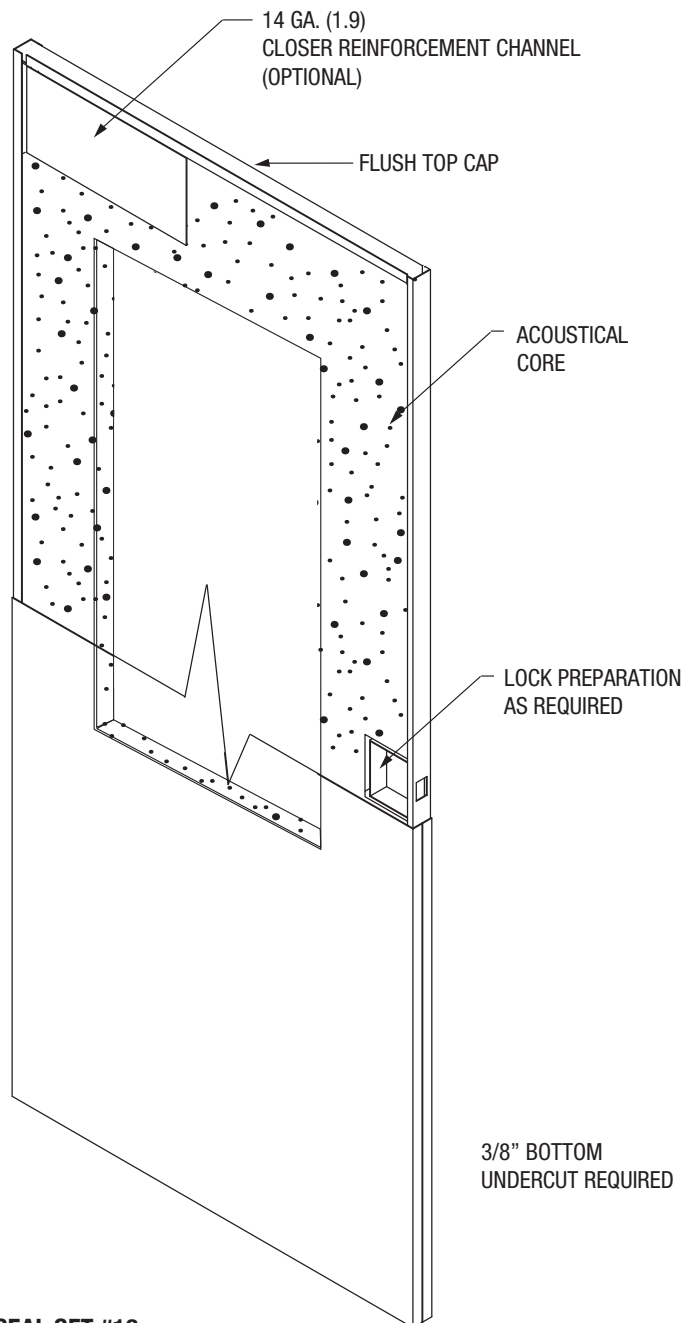
SURFACE VERTICAL ROD X SURFACE VERTICAL ROD

OPTIONAL LOCK PREPARATIONS WITH: UP TO AND INCLUDING 720 IN² OF 5/16" PYRAN PLATINUM GLASS

SURFACE VERTICAL ROD X SURFACE VERTICAL ROD

OPENING SIZES:

MINIMUM SIZE - 2'0" X 6'8" SINGLE
MAXIMUM SIZE - 4'0" X 8'0" SINGLE

**SEAL SET #13:**

(MAY VARY DEPENDING ON FEATURES/REQUIREMENTS OF OPENINGS)

PERIMETER:

PEMKO S44
PEMKO S88
PEMKO S773

BOTTOM:

PEMKO 2008 PK
PEMKO ACP 112

MEETING EDGES:

PEMKO S88 (4)
PEMKO 303 AS (4)



STANDARDS COMPLIANCE:

ASTM E 90, ASTM E 1332, ASTM E2235, ASTM E413, SDI 128
AND HMMA 865

NOTES:

1. MUTES NOT ALLOWED
2. SURFACE CLOSER ONLY
3. STC LABEL APPLIED TO DOOR ONLY
4. WALL CONSTRUCTION NEEDS TO BE EQUAL OR GREATER STC VALUE AS DOOR/FRAME
5. THE FRAME MUST BE MORTAR FILLED TO ACHIEVE AN STC RATING OF 40 AND ABOVE
6. 1-3/4" THICK DOORS
7. FRAMES MUST BE SINGLE OR DOUBLE RABBET, CONTINUOUSLY WELDED. 16 OR 14 GAUGE, STANDARD HOLLOW METAL FRAME
8. HINGES - 4-1/2" STANDARD OR HEAVYWEIGHT, 5" STANDARD OR HEAVYWEIGHT
9. ELECTRIC RACEWAYS ARE ALLOWED
10. ALL SEALS & THRESHOLDS INCLUDED
11. OTHER NON-TESTED ASSEMBLIES ARE AVAILABLE. CONTACT FACTORY FOR DETAILS

HARDWARE LIMITATIONS WITH FIRE RATINGS:

OPTIONAL LOCK PREPARATIONS WITH: UP TO AND INCLUDING 100 IN² OF 5/16" PYRAN PLATINUM GLASS

SURFACE VERTICAL ROD X SURFACE VERTICAL ROD

OPTIONAL LOCK PREPARATIONS WITH: UP TO AND INCLUDING 288 IN² OF 5/16" PYRAN GLASS

SURFACE VERTICAL ROD X SURFACE VERTICAL ROD

OPENING SIZES:

MINIMUM SIZE - 2'0" X 6'8" SINGLE

MAXIMUM SIZE - 4'0" X 8'0" SINGLE

SEAL SET #13:

(MAY VARY DEPENDING ON FEATURES/REQUIREMENTS OF OPENINGS)

PERIMETER:

PEMKO S44

PEMKO S88

PEMKO S773

BOTTOM:

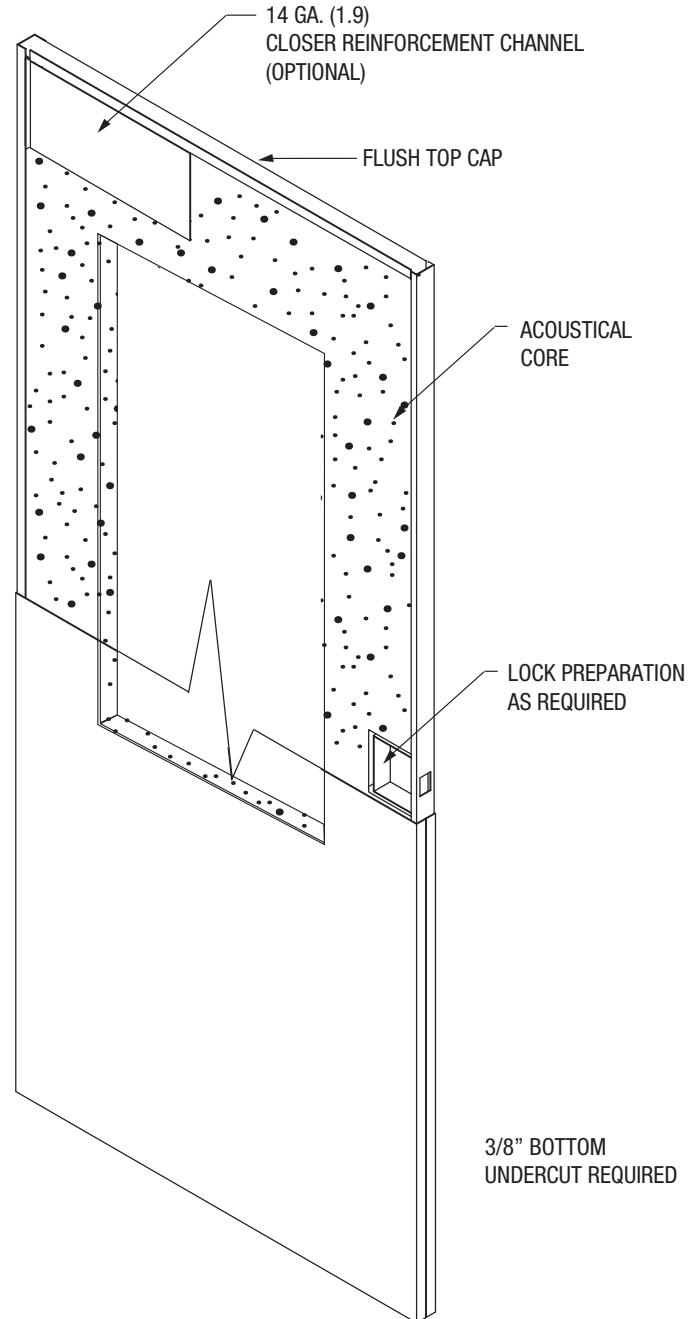
PEMKO 2008 PK

PEMKO ACP 112

MEETING EDGES:

PEMKO S88 (4)

PEMKO 303 AS (4)



188 757 (STC 39) Sound Door Construction - Paired With Glass

Sound Door Technical Data



May, 2016



STANDARDS COMPLIANCE:

ASTM E 90, ASTM E 1332, ASTM E2235, ASTM E413, SDI 128
AND HMMMA 865

NOTES:

1. MUTES NOT ALLOWED
2. SURFACE CLOSER ONLY
3. STC LABEL APPLIED TO DOOR ONLY
4. WALL CONSTRUCTION NEEDS TO BE EQUAL OR GREATER STC VALUE AS DOOR/FRAME
5. THE FRAME MUST BE MORTAR FILLED TO ACHIEVE AN STC RATING OF 40 AND ABOVE
6. 1-3/4" THICK DOORS
7. FRAMES MUST BE SINGLE OR DOUBLE RABBET, CONTINUOUSLY WELDED. 16 OR 14 GAUGE, STANDARD HOLLOW METAL FRAME
8. HINGES - 4-1/2" STANDARD OR HEAVYWEIGHT, 5" STANDARD OR HEAVYWEIGHT
9. ELECTRIC RACEWAYS ARE ALLOWED
10. ALL SEALS & THRESHOLDS INCLUDED
11. OTHER NON-TESTED ASSEMBLIES ARE AVAILABLE. CONTACT FACTORY FOR DETAILS

HARDWARE LIMITATIONS WITH FIRE RATINGS:

OPTIONAL LOCK PREPARATIONS WITH: UP TO AND INCLUDING 100 IN² OF 5/16" PYRAN PLATINUM GLASS

SURFACE VERTICAL ROD X SURFACE VERTICAL ROD

OPTIONAL LOCK PREPARATIONS WITH: UP TO AND INCLUDING 288 IN² OF 5/16" PYRAN GLASS

SURFACE VERTICAL ROD X SURFACE VERTICAL ROD

OPENING SIZES:

MINIMUM SIZE - 2'0" X 6'8" SINGLE

MAXIMUM SIZE - 4'0" X 8'0" SINGLE

SEAL SET #13:

(MAY VARY DEPENDING ON FEATURES/REQUIREMENTS OF OPENINGS)

PERIMETER:

PEMKO S44

PEMKO S88

PEMKO S773

BOTTOM:

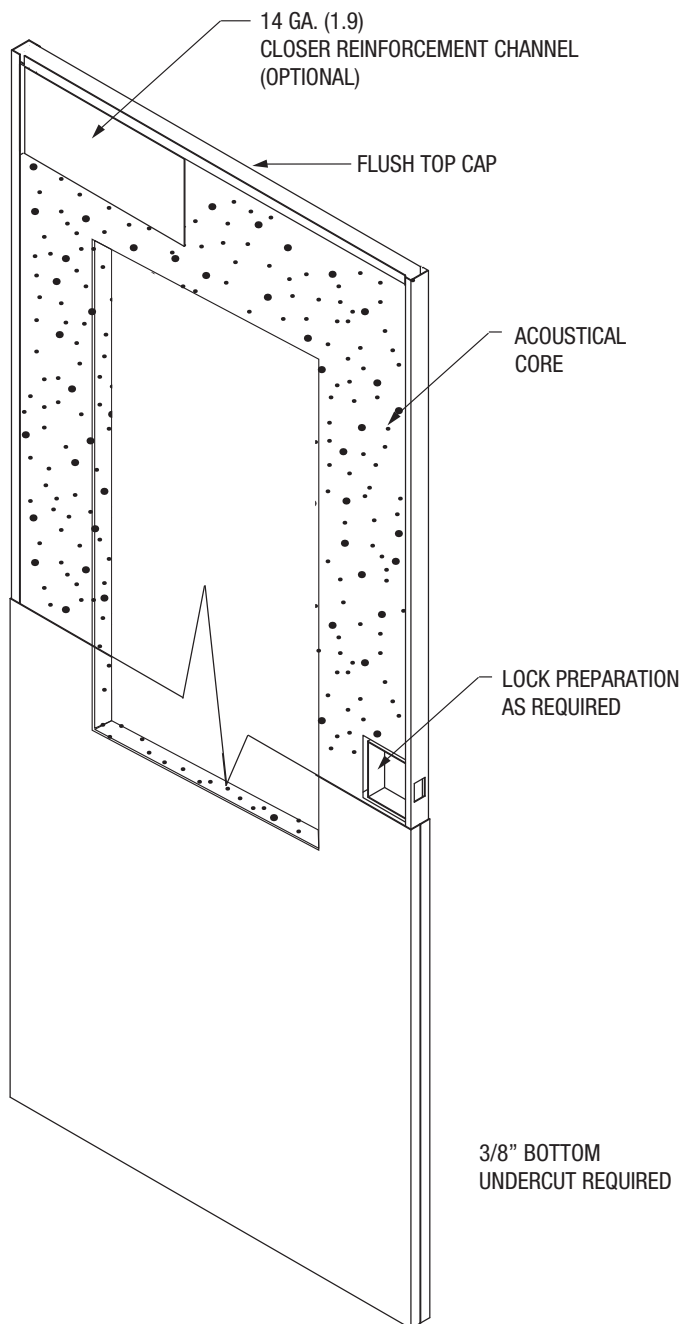
PEMKO 2008 PK

PEMKO ACP 112

MEETING EDGES:

PEMKO S88 (4)

PEMKO 303 AS (4)



**STANDARDS COMPLIANCE:**

ASTM E 90, ASTM E 1332, ASTM E2235, ASTM E413, SDI 128
AND HMMMA 865

NOTES:

1. MUTES NOT ALLOWED
2. SURFACE CLOSER ONLY
3. STC LABEL APPLIED TO DOOR ONLY
4. WALL CONSTRUCTION NEEDS TO BE EQUAL OR GREATER STC VALUE AS DOOR/FRAME
5. THE FRAME MUST BE MORTAR FILLED TO ACHIEVE AN STC RATING OF 40 AND ABOVE
6. 1-3/4" THICK DOORS
7. FRAMES MUST BE SINGLE OR DOUBLE RABBET, CONTINUOUSLY WELDED. 16 OR 14 GAUGE, STANDARD HOLLOW METAL FRAME
8. HINGES - 4-1/2" STANDARD OR HEAVYWEIGHT, 5" STANDARD OR HEAVYWEIGHT
9. ELECTRIC RACEWAYS ARE ALLOWED
10. ALL SEALS & THRESHOLDS INCLUDED
11. OTHER NON-TESTED ASSEMBLIES ARE AVAILABLE. CONTACT FACTORY FOR DETAILS

HARDWARE LIMITATIONS WITH FIRE RATINGS:

OPTIONAL LOCK PREPARATIONS WITH: UP TO AND INCLUDING 100 IN² OF 5/16" PYRAN PLATINUM GLASS
SURFACE VERTICAL ROD X SURFACE VERTICAL ROD

OPTIONAL LOCK PREPARATIONS WITH: UP TO AND INCLUDING 288 IN² OF 5/16" PYRAN GLASS
SURFACE VERTICAL ROD X SURFACE VERTICAL ROD

OPENING SIZES:

MINIMUM SIZE - 2'0" X 6'8" SINGLE
MAXIMUM SIZE - 4'0" X 8'0" SINGLE

SEAL SET #13:

(MAY VARY DEPENDING ON FEATURES/REQUIREMENTS OF OPENINGS)

PERIMETER:

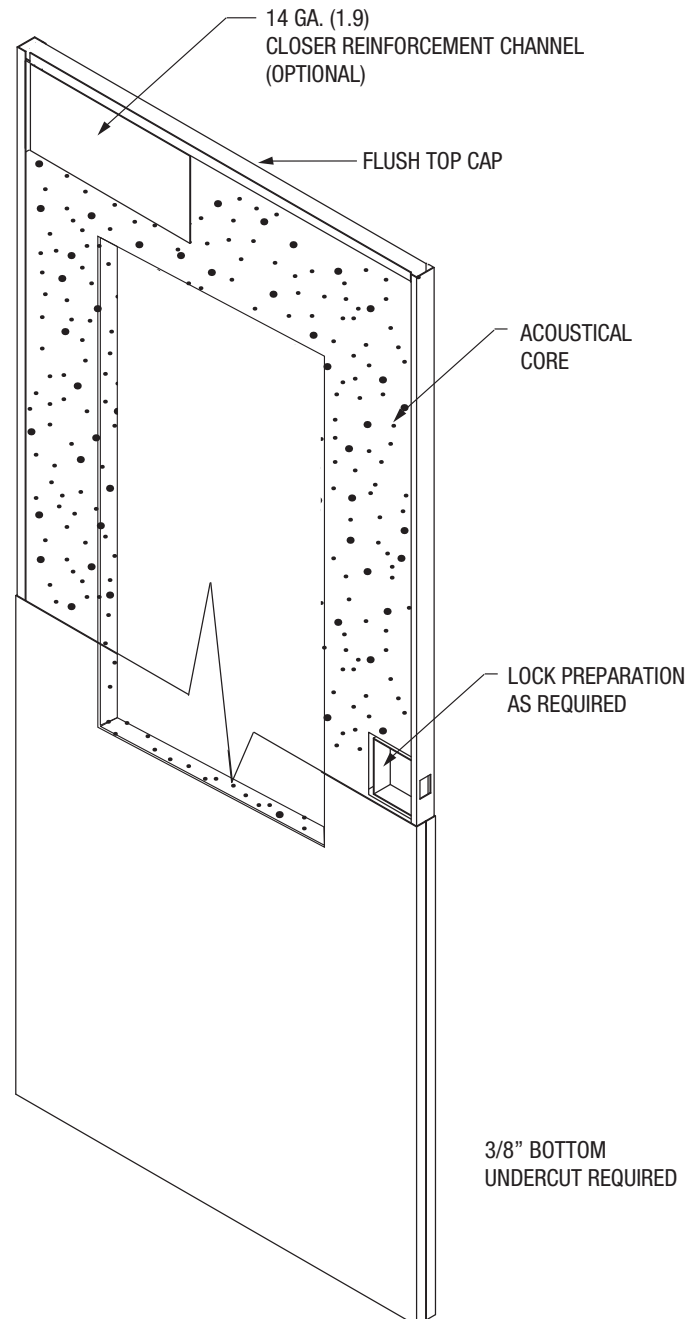
PEMKO S44
PEMKO S88
PEMKO S773

BOTTOM:

PEMKO 2008 PK
PEMKO ACP 112

MEETING EDGES:

PEMKO S88 (4)
PEMKO 303 AS (4)



190 757 (STC 41) Sound Door Construction - Paired With Glass

Sound Door Technical Data



May, 2016



STANDARDS COMPLIANCE:

ASTM E 90, ASTM E 1332, ASTM E2235, ASTM E413, SDI 128 AND HMMA 865

NOTES:

1. MUTES NOT ALLOWED
2. SURFACE CLOSER ONLY
3. STC LABEL APPLIED TO DOOR ONLY
4. WALL CONSTRUCTION NEEDS TO BE EQUAL OR GREATER STC VALUE AS DOOR/FRAME
5. THE FRAME MUST BE MORTAR FILLED TO ACHIEVE AN STC RATING OF 40 AND ABOVE
6. 1-3/4" THICK DOORS
7. FRAMES MUST BE SINGLE OR DOUBLE RABBET, CONTINUOUSLY WELDED. 16 OR 14 GAUGE, STANDARD HOLLOW METAL FRAME
8. HINGES - 4-1/2" STANDARD OR HEAVYWEIGHT, 5" STANDARD OR HEAVYWEIGHT
9. ELECTRIC RACEWAYS ARE ALLOWED
10. ALL SEALS & THRESHOLDS INCLUDED
11. OTHER NON-TESTED ASSEMBLIES ARE AVAILABLE. CONTACT FACTORY FOR DETAILS

HARDWARE LIMITATIONS WITH FIRE RATINGS:

OPTIONAL LOCK PREPARATIONS WITH: UP TO AND INCLUDING 100 IN² OF 5/16" PYRAN PLATINUM GLASS

SURFACE VERTICAL ROD X SURFACE VERTICAL ROD

OPTIONAL LOCK PREPARATIONS WITH: UP TO AND INCLUDING 288 IN² OF 5/16" PYRAN GLASS

SURFACE VERTICAL ROD X SURFACE VERTICAL ROD

OPENING SIZES:

MINIMUM SIZE - 2'0" X 6'8" SINGLE

MAXIMUM SIZE - 4'0" X 8'0" SINGLE

SEAL SET #13:

(MAY VARY DEPENDING ON FEATURES/REQUIREMENTS OF OPENINGS)

PERIMETER:

PEMKO S44

PEMKO S88

PEMKO S773

BOTTOM:

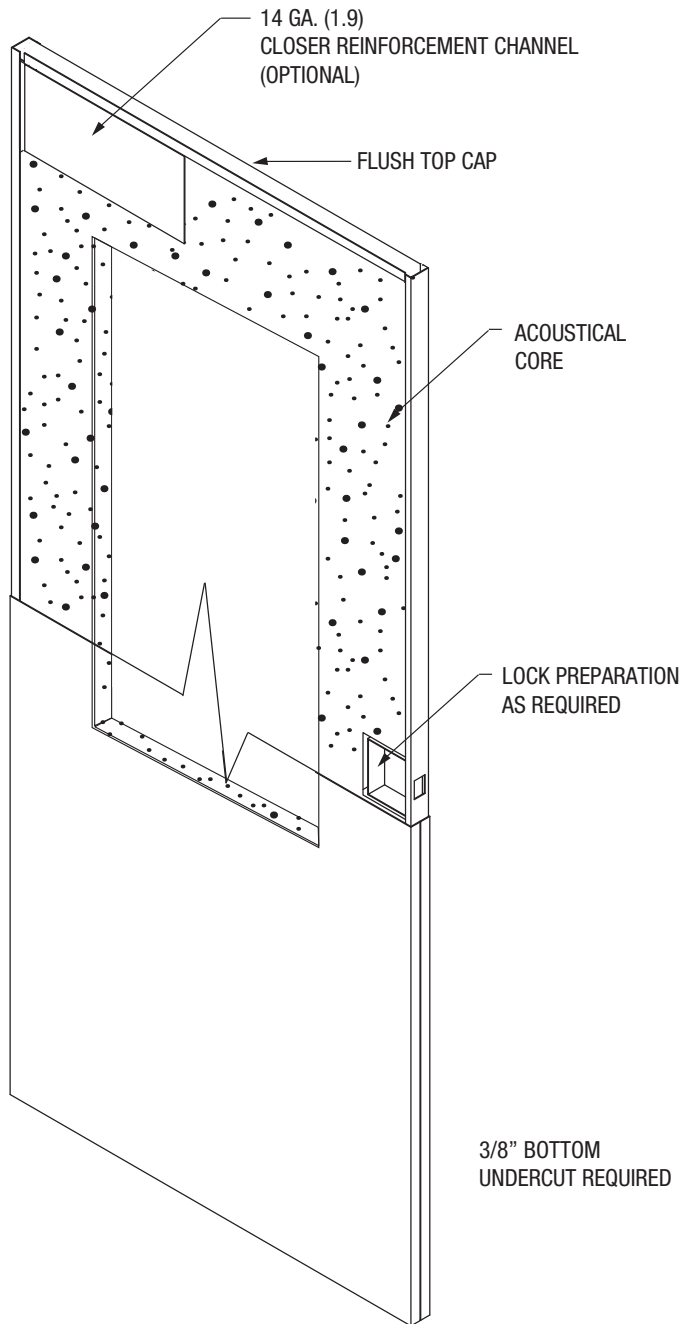
PEMKO 2008 PK

PEMKO ACP 112

MEETING EDGES:

PEMKO S88 (4)

PEMKO 303 AS (4)



**STANDARDS COMPLIANCE:**

ASTM E 90, ASTM E 1332, ASTM E2235, ASTM E413, SDI 128
AND HMMA 865

NOTES:

1. MUTES NOT ALLOWED
2. SURFACE CLOSER ONLY
3. STC LABEL APPLIED TO DOOR ONLY
4. WALL CONSTRUCTION NEEDS TO BE EQUAL OR GREATER
STC VALUE AS DOOR/FRAME
5. THE FRAME MUST BE MORTAR FILLED TO ACHIEVE AN STC RATING
OF 40 AND ABOVE
6. 1-3/4" THICK DOORS
7. FRAMES MUST BE SINGLE OR DOUBLE RABBET,
CONTINUOUSLY WELDED. 16 OR 14 GAUGE, STANDARD
HOLLOW METAL FRAME
8. HINGES - 4-1/2" STANDARD OR HEAVYWEIGHT,
5" STANDARD OR HEAVYWEIGHT
9. ELECTRIC RACEWAYS ARE ALLOWED
10. ALL SEALS & THRESHOLDS INCLUDED
11. OTHER NON-TESTED ASSEMBLIES ARE AVAILABLE.
CONTACT FACTORY FOR DETAILS

HARDWARE LIMITATIONS WITH FIRE RATINGS:

**OPTIONAL LOCK PREPARATIONS WITH: UP TO AND INCLUDING 100 IN²
OF 5/16" PYRAN PLATINUM GLASS**
SURFACE VERTICAL ROD X SURFACE VERTICAL ROD

OPENING SIZES:

MINIMUM SIZE - 2'0" X 6'8" SINGLE
MAXIMUM SIZE - 4'0" X 8'0" SINGLE

SEAL SET #13:

(MAY VARY DEPENDING ON FEATURES/REQUIREMENTS OF OPENINGS)

PERIMETER:

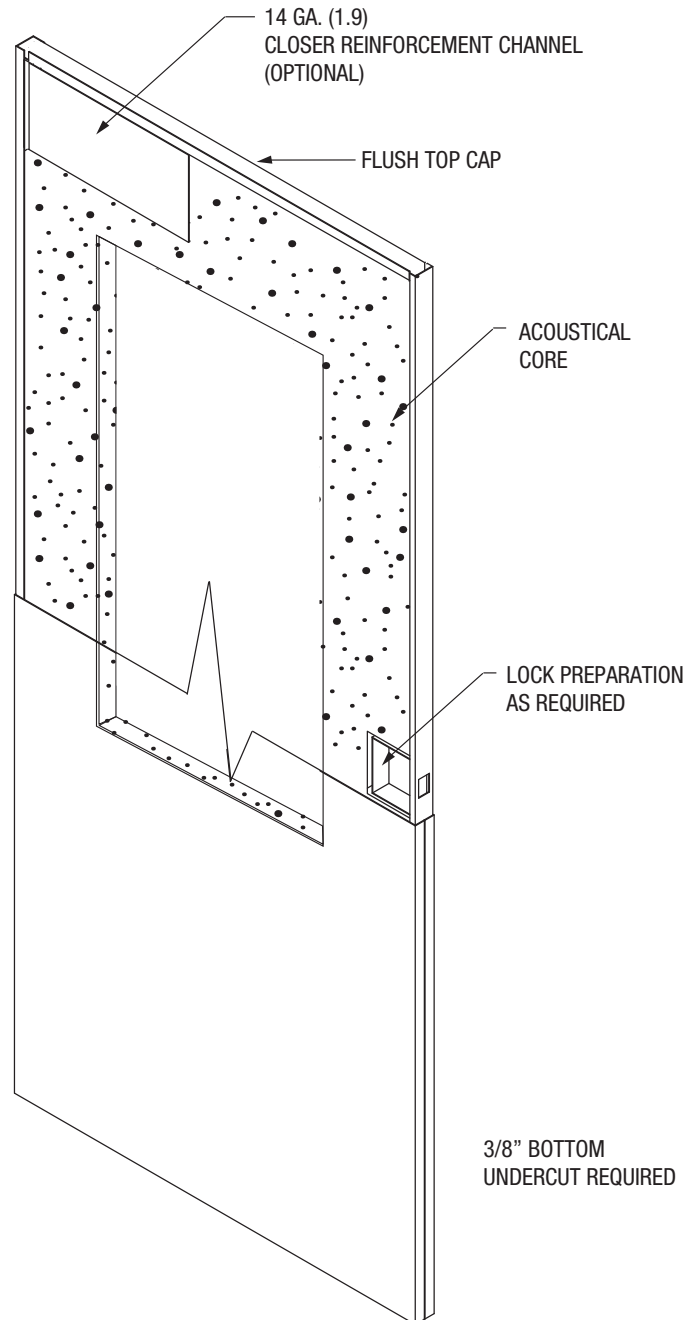
PEMKO S44
PEMKO S88
PEMKO S773

BOTTOM:

PEMKO 2008 PK
PEMKO ACP 112

MEETING EDGES:

PEMKO S88 (4)
PEMKO 303 AS (4)



May, 2016

**STANDARDS COMPLIANCE:**

ASTM E 90, ASTM E 1332, ASTM E2235, ASTM E413, SDI 128
AND HMMA 865

NOTES:

1. MUTES NOT ALLOWED
2. SURFACE CLOSER ONLY
3. STC LABEL APPLIED TO DOOR ONLY
4. WALL CONSTRUCTION NEEDS TO BE EQUAL OR GREATER STC VALUE AS DOOR/FRAME
5. THE FRAME MUST BE MORTAR FILLED TO ACHIEVE AN STC RATING OF 40 AND ABOVE
6. 1-3/4" THICK DOORS
7. FRAMES MUST BE SINGLE OR DOUBLE RABBET, CONTINUOUSLY WELDED. 16 OR 14 GAUGE, STANDARD HOLLOW METAL FRAME
8. HINGES - 4-1/2" STANDARD OR HEAVYWEIGHT, 5" STANDARD OR HEAVYWEIGHT
9. ELECTRIC RACEWAYS ARE ALLOWED
10. ALL SEALS & THRESHOLDS INCLUDED
11. OTHER NON-TESTED ASSEMBLIES ARE AVAILABLE. CONTACT FACTORY FOR DETAILS

HARDWARE LIMITATIONS WITH FIRE RATINGS:

OPTIONAL LOCK PREPARATIONS WITH: UP TO AND INCLUDING 100 IN² OF 5/16" PYRAN PLATINUM GLASS

SURFACE VERTICAL ROD X SURFACE VERTICAL ROD

OPENING SIZES:

MINIMUM SIZE - 2'0" X 6'8" SINGLE

MAXIMUM SIZE - 4'0" X 8'0" SINGLE

SEAL SET #13:

(MAY VARY DEPENDING ON FEATURES/REQUIREMENTS OF OPENINGS)

PERIMETER:

PEMKO S44

PEMKO S88

PEMKO S773

BOTTOM:

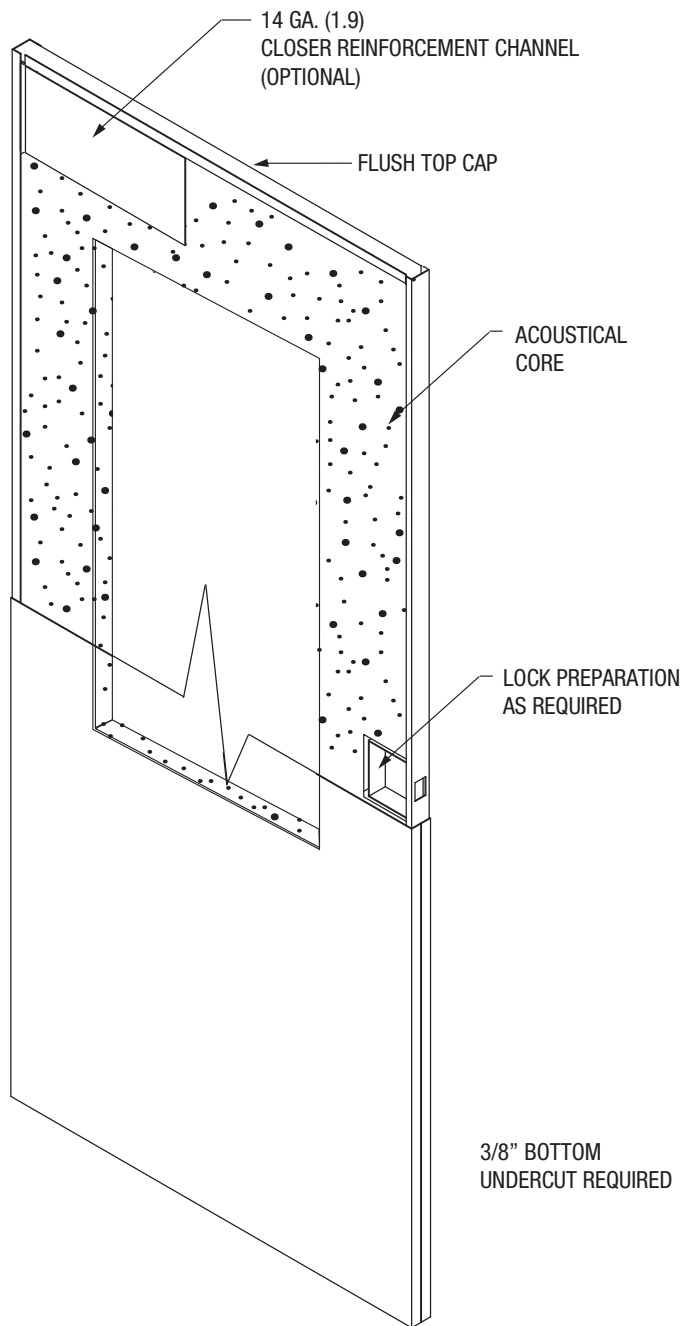
PEMKO 2008 PK

PEMKO ACP 112

MEETING EDGES:

PEMKO S88 (4)

PEMKO 303 AS (4)



**STANDARDS COMPLIANCE:**

ASTM E 90, ASTM E 1332, ASTM E2235, ASTM E413, SDI 128
AND HMMA 865

NOTES:

1. MUTES NOT ALLOWED
2. SURFACE CLOSER ONLY
3. STC LABEL APPLIED TO DOOR ONLY
4. WALL CONSTRUCTION NEEDS TO BE EQUAL OR GREATER
STC VALUE AS DOOR/FRAME
5. THE FRAME MUST BE MORTAR FILLED TO ACHIEVE AN STC RATING
OF 40 AND ABOVE
6. 1-3/4" THICK DOORS
7. FRAMES MUST BE SINGLE OR DOUBLE RABBET,
CONTINUOUSLY WELDED. 16 OR 14 GAUGE, STANDARD
HOLLOW METAL FRAME
8. HINGES - 4-1/2" STANDARD OR HEAVYWEIGHT,
5" STANDARD OR HEAVYWEIGHT
9. ELECTRIC RACEWAYS ARE ALLOWED
10. ALL SEALS & THRESHOLDS INCLUDED
11. OTHER NON-TESTED ASSEMBLIES ARE AVAILABLE.
CONTACT FACTORY FOR DETAILS

HARDWARE LIMITATIONS WITH FIRE RATINGS:

**OPTIONAL LOCK PREPARATIONS WITH: UP TO AND INCLUDING 100 IN²
OF 5/16" PYRAN PLATINUM GLASS**
SURFACE VERTICAL ROD X SURFACE VERTICAL ROD

OPENING SIZES:

MINIMUM SIZE - 2'0" X 6'8" SINGLE
MAXIMUM SIZE - 4'0" X 8'0" SINGLE

SEAL SET #13:

(MAY VARY DEPENDING ON FEATURES/REQUIREMENTS OF OPENINGS)

PERIMETER:

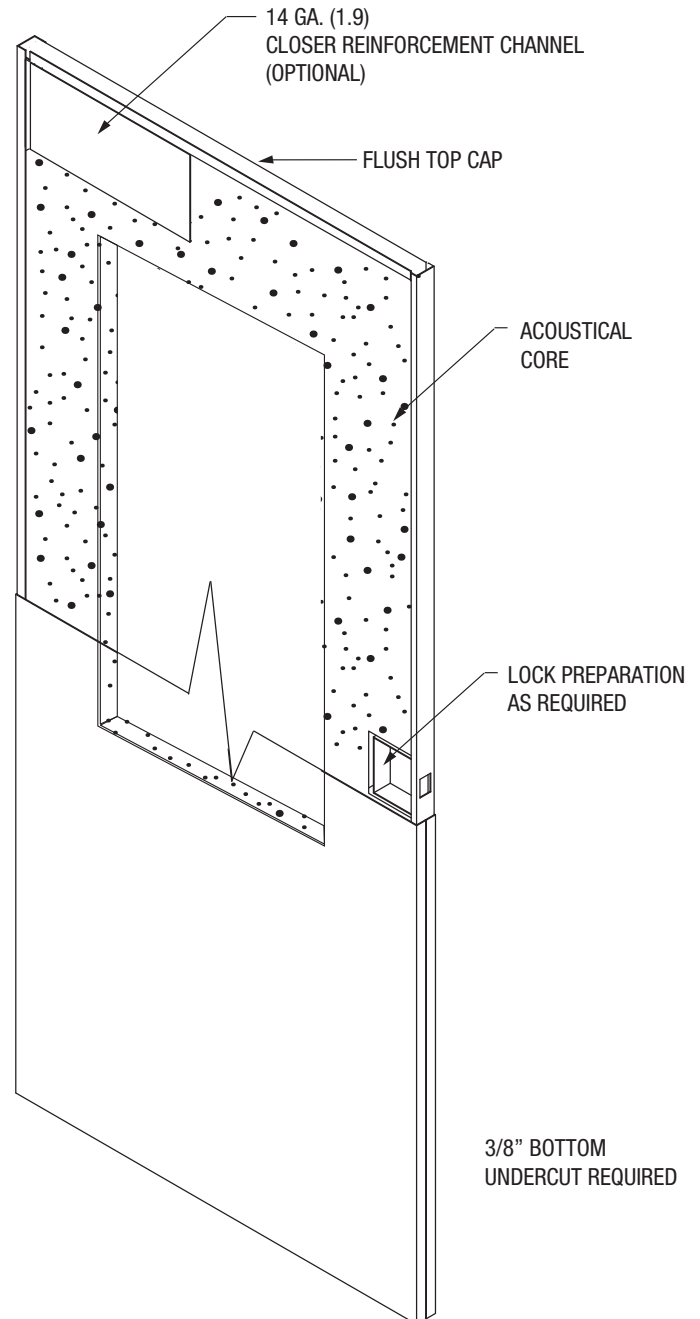
PEMKO S44
PEMKO S88
PEMKO S773

BOTTOM:

PEMKO 2008 PK
PEMKO ACP 112

MEETING EDGES:

PEMKO S88 (4)
PEMKO 303 AS (4)



194 757 (Up to STC 41) Model AS41C Sound Door Construction

Sound Door Technical Data



May, 2016



STANDARDS COMPLIANCE:

ASTM E 90, ASTM E 1332, ASTM E2235, ASTM E413, SDI 128 AND HMMA 865

NOTES:

1. AN ALUMINUM THRESHOLD IS INCLUDED. THRESHOLD MUST PROTRUDE 1 1/2" INCHES PAST THE FACE OF THE FRAME ON THE PULL SIDE OF THE DOOR TO ALLOW THE EDPM RUBBER SECTION OF THE DOOR BOTTOM TO SEAT PROPERLY DURING NORMAL OPERATION OF THE GRAVITY GLIDE CAM-LIFT HINGES.
2. DOOR BOTTOM REQUIRES A FLUSH LEVEL SEALING SURFACE. THRESHOLD TO BE GROUTED SOLID.
3. ASSEMBLY EQUIPPED WITH METAL SOUND DOOR, FRAME, SEALS DOOR BOTTOM, THRESHOLD, GRAVITY GLIDE CAM-LIFT HINGES.
4. 1-3/4" THICK DOORS. DOOR WEIGHT IS 8.4 POUNDS PER SQUARE FOOT. FRAME MUST BE SECURELY TIED TO THE FRAMING FROM THE SUB FLOOR TO THE STRUCTURE ABOVE.
6. DOORS ARE FORMED OF NO LESS THAN 16 GAUGE STEEL CONTINUOUSLY WELDED AND FINISHED SMOOTH.
7. FRAMES ARE FORMED OF NO LESS THAN 14 GAUGE STEEL WITH CORNERS MITERED, CONTINUOUSLY WELDED AND FINISHED SMOOTH.
8. FRAMES MUST BE FULLY GROUTED.
9. INDUSTRY STANDARD CONSTRUCTION TOLERANCES FOR SQUARENESS OF FRAME INSTALLATION, PLUMBNESS OF WALLS, FLATNESS OF FLOORS, ETC. MAY RESULT IN A DIFFERENCE OF 3DB-5DB SOUND LOSS IN A FIELD TEST VS. LAB RESULTS.
10. STC LABEL APPLIED TO DOOR ONLY.
11. OTHER NON-TESTED ASSEMBLIES ARE AVAILABLE. CONTACT FACTORY FOR DETAILS.

DOORS TESTED = 3070, 16 GAUGE, FLUSH SINGLE
FRAMES TESTED = 3070, 14 GAUGE, WELDED, GROUTED

FIRE RATING:

3 HR. MAX

OPENING SIZES:

MINIMUM SIZE - 2'0" X 6'8" SINGLE
MAXIMUM SIZE - 4'0" X 8'0" SINGLE

FACE TYPES:

SEE DOOR OPTIONS BELOW

SINGLE SEAL SET RCG:

(MAY VARY DEPENDING ON FEATURES/REQUIREMENTS OF OPENINGS)

PERIMETER:
EPDM COMPRESSION SEAL
PEMKO S44 (2)

BOTTOM:
L-FRAME ADJUSTABLE DOOR BOTTOM
1/2" FLAT UNFLUTED THRESHOLD

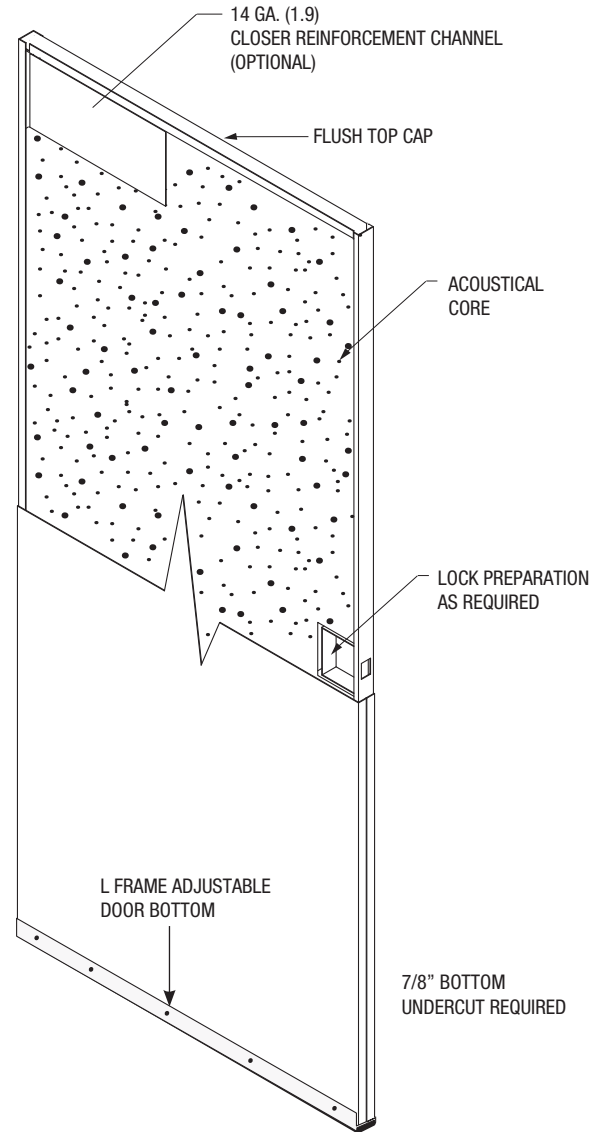
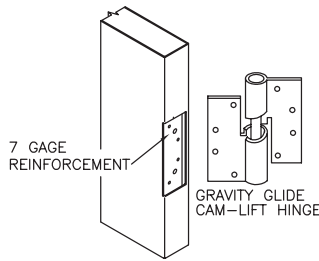
PAIR: SEAL SET RCGP:

PERIMETER:
EPDM COMPRESSION SEAL
PEMKO S44 (2)

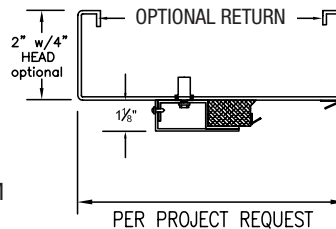
MEETING EDGES:
PEMKO S44 (2)
OPTIONAL EPDM ASTRAGAL

BOTTOM:
L-FRAME ADJUSTABLE DOOR BOTTOM
1/2" FLAT UNFLUTED THRESHOLD

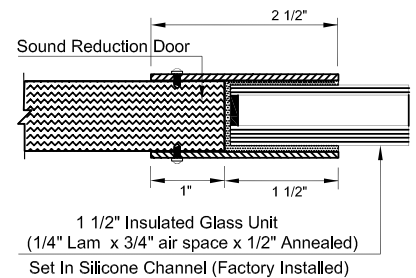
GRAVITY-GLIDE CAM-LIFT HINGE



ADJ FRAME PROFILE



OPTIONAL GLAZING



757 DOOR OPTIONS:

1. PAIRS AVAILABLE - POTENTIAL SOUND LOSS = 5 STC POINTS.
2. GLASS AVAILABLE - POTENTIAL SOUND LOSS = 2 STC POINTS UP TO 300 SQUARE INCHES LARGER GLASS MAY RESULT IN ADDITIONAL SOUND LOSS.
3. INCREASED OPENING SIZES AVAILABLE. POTENTIAL SOUND LOSS MAY OR MAY NOT OCCUR AS SIZE INCREASES
4. ASSEMBLY WAS FITTED WITH CYLINDRICAL UNIT LOCK. PREPARATIONS FOR ALTERNATE HARDWARE IS ALLOWED, HOWEVER SOUND LOSS MAY OR MAY NOT OCCUR.
5. SOUND ASSEMBLIES ARE TESTED AS COMPLETE ASSEMBLIES. SOUND DEGRADATION MAY OCCUR WITH THE USE OF AN EXISTING DOOR OR FRAME.



STANDARDS COMPLIANCE:

ASTM E 90, ASTM E 1332, ASTM E2235, ASTM E413, SDI 128 AND HMMA 865

NOTES:

1. AN ALUMINUM THRESHOLD IS INCLUDED. THRESHOLD MUST PROTRUDE 1 1/2" INCHES PAST THE FACE OF THE FRAME ON THE PULL SIDE OF THE DOOR TO ALLOW THE EDPM RUBBER SECTION OF THE DOOR BOTTOM TO SEAT PROPERLY DURING NORMAL OPERATION OF THE GRAVITY GLIDE CAM-LIFT HINGES.
2. DOOR BOTTOM REQUIRES A FLUSH LEVEL SEALING SURFACE. THRESHOLD TO BE GROUTED SOLID.
3. ASSEMBLY EQUIPPED WITH METAL SOUND DOOR, FRAME, SEALS DOOR BOTTOM, THRESHOLD, GRAVITY GLIDE CAM-LIFT HINGES.
4. 1-3/4" THICK DOORS. DOOR WEIGHT IS 8.4 POUNDS PER SQUARE FOOT. FRAME MUST BE SECURELY TIED TO THE FRAMING FROM THE SUB FLOOR TO THE STRUCTURE ABOVE.
6. DOORS ARE FORMED OF NO LESS THAN 16 GAUGE STEEL CONTINUOUSLY WELDED AND FINISHED SMOOTH.
7. FRAMES ARE FORMED OF NO LESS THAN 14 GAUGE STEEL WITH CORNERS MITERED, CONTINUOUSLY WELDED AND FINISHED SMOOTH.
8. FRAMES MUST BE FULLY GROUTED.
9. INDUSTRY STANDARD CONSTRUCTION TOLERANCES FOR SQUARENESS OF FRAME INSTALLATION, PLUMBNESS OF WALLS, FLATNESS OF FLOORS, ETC. MAY RESULT IN A DIFFERENCE OF 3DB-5DB SOUND LOSS IN A FIELD TEST VS. LAB RESULTS.
10. STC LABEL APPLIED TO DOOR ONLY.
11. OTHER NON-TESTED ASSEMBLIES ARE AVAILABLE. CONTACT FACTORY FOR DETAILS.

DOORS TESTED = 3070, 16 GAUGE, FLUSH SINGLE
FRAMES TESTED = 3070, 14 GAUGE, WELDED, GROUTED

FIRE RATING:
 3 HR. MAX

OPENING SIZES:
 MINIMUM SIZE - 2'0" X 6'8" SINGLE
 MAXIMUM SIZE - 4'0" X 8'0" SINGLE

FACE TYPES:
 SEE DOOR OPTIONS BELOW

SINGLE SEAL SET RCG:

(MAY VARY DEPENDING ON FEATURES/REQUIREMENTS OF OPENINGS)

PERIMETER:
 EPDM COMPRESSION SEAL
 PEMKO S44 (2)

BOTTOM:
 L-FRAME ADJUSTABLE DOOR BOTTOM
 1/2" FLAT UNFLUTED THRESHOLD

PAIR: SEAL SET RCGP:

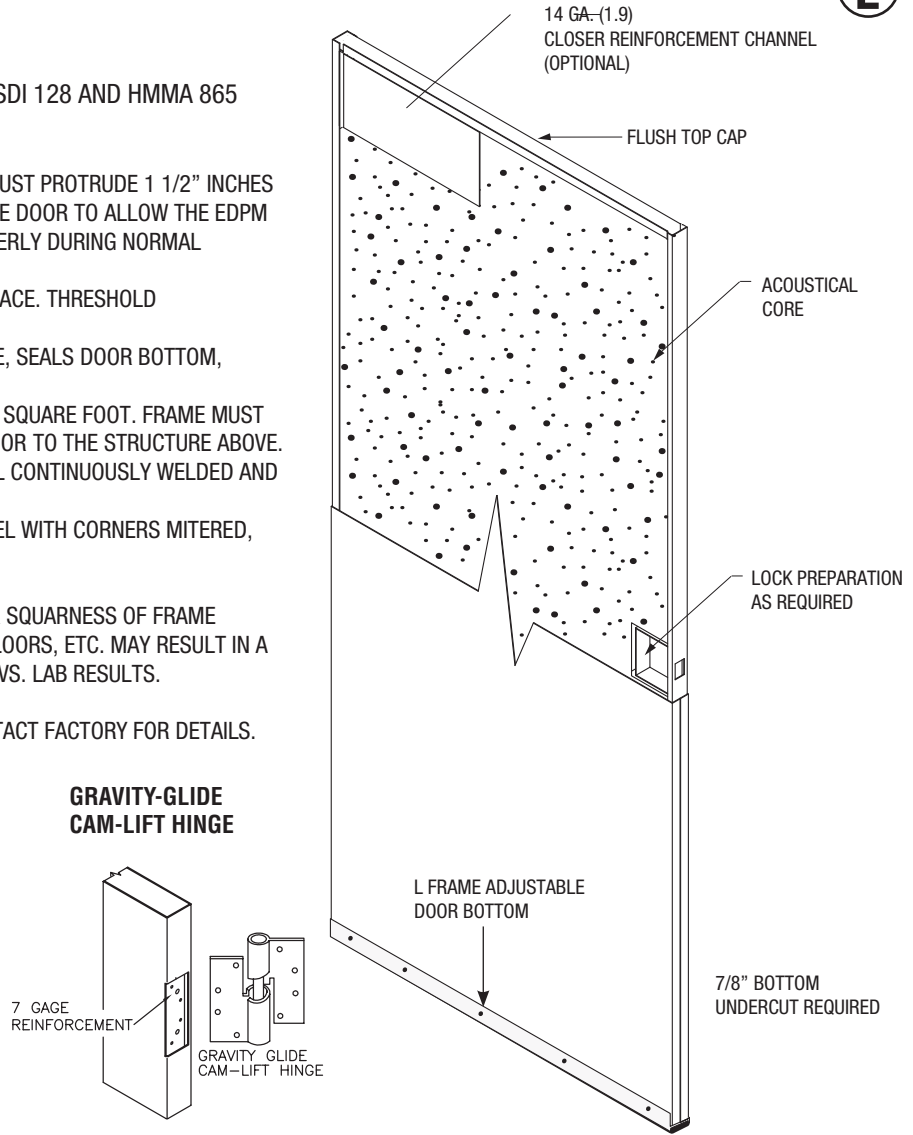
PERIMETER:
 EPDM COMPRESSION SEAL
 PEMKO S44 (2)

MEETING EDGES:
 PEMKO S44 (2)
 OPTIONAL EPDM ASTRAGAL

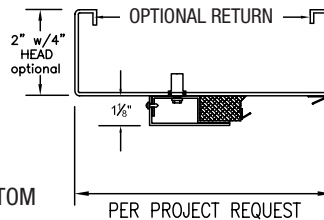
BOTTOM:
 L-FRAME ADJUSTABLE DOOR BOTTOM
 1/2" FLAT UNFLUTED THRESHOLD

757 DOOR OPTIONS:

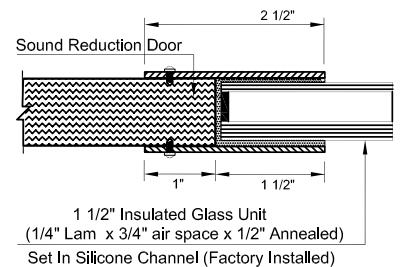
1. PAIRS AVAILABLE - POTENTIAL SOUND LOSS = 5 STC POINTS.
2. GLASS AVAILABLE - POTENTIAL SOUND LOSS = 2 STC POINTS UP TO 300 SQUARE INCHES LARGER GLASS MAY RESULT IN ADDITIONAL SOUND LOSS.
3. INCREASED OPENING SIZES AVAILABLE. POTENTIAL SOUND LOSS MAY OR MAY NOT OCCUR AS SIZE INCREASES
4. ASSEMBLY WAS FITTED WITH CYLINDRICAL UNIT LOCK. PREPARATIONS FOR ALTERNATE HARDWARE IS ALLOWED, HOWEVER SOUND LOSS MAY OR MAY NOT OCCUR.
5. SOUND ASSEMBLIES ARE TESTED AS COMPLETE ASSEMBLIES. SOUND DEGRADATION MAY OCCUR WITH THE USE OF AN EXISTING DOOR OR FRAME.



ADJ FRAME PROFILE



OPTIONAL GLAZING



May, 2016



STANDARDS COMPLIANCE:

ASTM E 90, ASTM E 1332, ASTM E2235, ASTM E413, SDI 128 AND HMMA 865

NOTES:

1. AN ALUMINUM THRESHOLD IS INCLUDED. THRESHOLD MUST PROTRUDE 1 1/2" INCHES PAST THE FACE OF THE FRAME ON THE PULL SIDE OF THE DOOR TO ALLOW THE EDPM RUBBER SECTION OF THE DOOR BOTTOM TO SEAT PROPERLY DURING NORMAL OPERATION OF THE GRAVITY GLIDE CAM-LIFT HINGES.
2. DOOR BOTTOM REQUIRES A FLUSH LEVEL SEALING SURFACE. THRESHOLD TO BE GROUTED SOLID.
3. ASSEMBLY EQUIPPED WITH METAL SOUND DOOR, FRAME, SEALS DOOR BOTTOM, THRESHOLD, GRAVITY GLIDE CAM-LIFT HINGES.
4. 1-3/4" THICK DOORS. DOOR WEIGHT IS 8.4 POUNDS PER SQUARE FOOT. FRAME MUST BE SECURELY TIED TO THE FRAMING FROM THE SUB FLOOR TO THE STRUCTURE ABOVE.
6. DOORS ARE FORMED OF NO LESS THAN 16 GAUGE STEEL CONTINUOUSLY WELDED AND FINISHED SMOOTH.
7. FRAMES ARE FORMED OF NO LESS THAN 14 GAUGE STEEL WITH CORNERS MITERED, CONTINUOUSLY WELDED AND FINISHED SMOOTH.
8. FRAMES MUST BE FULLY GROUTED.
9. INDUSTRY STANDARD CONSTRUCTION TOLERANCES FOR SQUARENESS OF FRAME INSTALLATION, PLUMBNESS OF WALLS, FLATNESS OF FLOORS, ETC. MAY RESULT IN A DIFFERENCE OF 3DB-5DB SOUND LOSS IN A FIELD TEST VS. LAB RESULTS.
10. STC LABEL APPLIED TO DOOR ONLY.
11. OTHER NON-TESTED ASSEMBLIES ARE AVAILABLE. CONTACT FACTORY FOR DETAILS.

DOORS TESTED = 3070, 16 GAUGE, FLUSH SINGLE
FRAMES TESTED = 3070, 14 GAUGE, WELDED, GROUTED

FIRE RATING:
 3 HR. MAX

OPENING SIZES:
 MINIMUM SIZE - 2'0" X 6'8" SINGLE
 MAXIMUM SIZE - 4'0" X 8'0" SINGLE

FACE TYPES:
 SEE DOOR OPTIONS BELOW

SINGLE SEAL SET RCG: **PAIR: SEAL SET RCGP:**
 (MAY VARY DEPENDING ON FEATURES/REQUIREMENTS OF OPENINGS)

PERIMETER:
 EPDM COMPRESSION SEAL
 PEMKO S44 (2)

BOTTOM:
 L-FRAME ADJUSTABLE DOOR BOTTOM
 1/2" FLAT UNFLUTED THRESHOLD

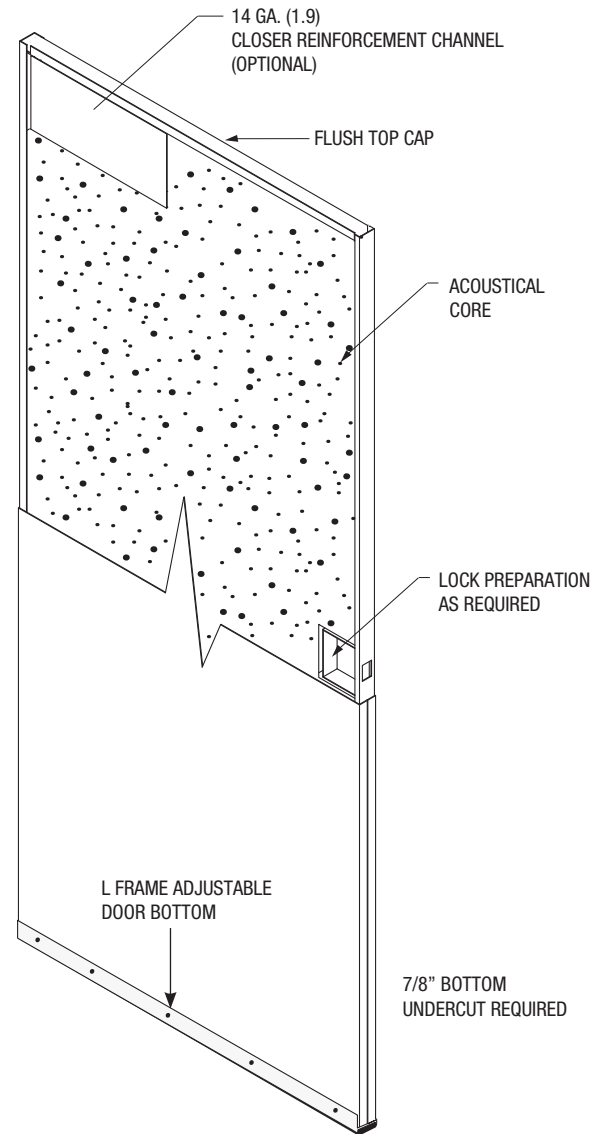
PERIMETER:
 EPDM COMPRESSION SEAL
 PEMKO S44 (2)

MEETING EDGES:
 PEMKO S44 (2)
 OPTIONAL EPDM ASTRAGAL

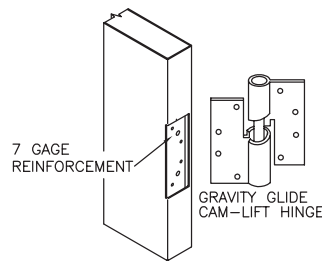
BOTTOM:
 L-FRAME ADJUSTABLE DOOR BOTTOM
 1/2" FLAT UNFLUTED THRESHOLD

757 DOOR OPTIONS:

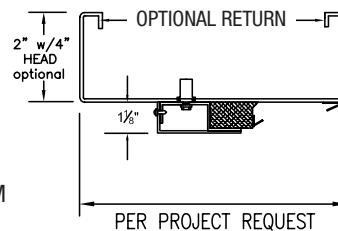
1. PAIRS AVAILABLE - POTENTIAL SOUND LOSS = 5 STC POINTS.
2. GLASS AVAILABLE - POTENTIAL SOUND LOSS = 2 STC POINTS UP TO 300 SQUARE INCHES LARGER GLASS MAY RESULT IN ADDITIONAL SOUND LOSS.
3. INCREASED OPENING SIZES AVAILABLE. POTENTIAL SOUND LOSS MAY OR MAY NOT OCCUR AS SIZE INCREASES
4. ASSEMBLY WAS FITTED WITH CYLINDRICAL UNIT LOCK. PREPARATIONS FOR ALTERNATE HARDWARE IS ALLOWED, HOWEVER SOUND LOSS MAY OR MAY NOT OCCUR.
5. SOUND ASSEMBLIES ARE TESTED AS COMPLETE ASSEMBLIES. SOUND DEGRADATION MAY OCCUR WITH THE USE OF AN EXISTING DOOR OR FRAME.



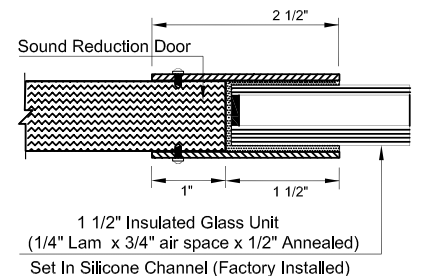
GRAVITY-GLIDE CAM-LIFT HINGE



ADJ FRAME PROFILE



OPTIONAL GLAZING





STANDARDS COMPLIANCE:

ASTM E 90, ASTM E 1332, ASTM E2235, ASTM E413, SDI 128 AND HMMA 865

NOTES:

1. AN ALUMINUM THRESHOLD IS INCLUDED. THRESHOLD MUST PROTRUDE 1 1/2" INCHES PAST THE FACE OF THE FRAME ON THE PULL SIDE OF THE DOOR TO ALLOW THE EDPM RUBBER SECTION OF THE DOOR BOTTOM TO SEAT PROPERLY DURING NORMAL OPERATION OF THE GRAVITY GLIDE CAM-LIFT HINGES.
2. DOOR BOTTOM REQUIRES A FLUSH LEVEL SEALING SURFACE. THRESHOLD TO BE GROUTED SOLID.
3. ASSEMBLY EQUIPPED WITH METAL SOUND DOOR, FRAME, SEALS DOOR BOTTOM, THRESHOLD, GRAVITY GLIDE CAM-LIFT HINGES.
4. 1-3/4" THICK DOORS. DOOR WEIGHT IS 8.4 POUNDS PER SQUARE FOOT. FRAME MUST BE SECURELY TIED TO THE FRAMING FROM THE SUB FLOOR TO THE STRUCTURE ABOVE.
6. DOORS ARE FORMED OF NO LESS THAN 16 GAUGE STEEL CONTINUOUSLY WELDED AND FINISHED SMOOTH.
7. FRAMES ARE FORMED OF NO LESS THAN 14 GAUGE STEEL WITH CORNERS MITERED, CONTINUOUSLY WELDED AND FINISHED SMOOTH.
8. FRAMES MUST BE FULLY GROUTED.
9. INDUSTRY STANDARD CONSTRUCTION TOLERANCES FOR SQUARENESS OF FRAME INSTALLATION, PLUMBNESS OF WALLS, FLATNESS OF FLOORS, ETC. MAY RESULT IN A DIFFERENCE OF 3DB-5DB SOUND LOSS IN A FIELD TEST VS. LAB RESULTS.
10. STC LABEL APPLIED TO DOOR ONLY.
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DOORS TESTED = 3070, 16 GAUGE, FLUSH SINGLE
FRAMES TESTED = 3070, 14 GAUGE, WELDED, GROUTED

FIRE RATING:
 3 HR. MAX

OPENING SIZES:
 MINIMUM SIZE - 2'0" X 6'8" SINGLE
 MAXIMUM SIZE - 4'0" X 8'0" SINGLE

FACE TYPES:
 SEE DOOR OPTIONS BELOW

SINGLE SEAL SET RCG:
 (MAY VARY DEPENDING ON FEATURES/REQUIREMENTS OF OPENINGS)

PERIMETER:
 EPDM COMPRESSION SEAL
 PEMKO S44 (2)

BOTTOM:
 L-FRAME ADJUSTABLE DOOR BOTTOM
 1/2" FLAT UNFLUTED THRESHOLD

PAIR: SEAL SET RCGP:

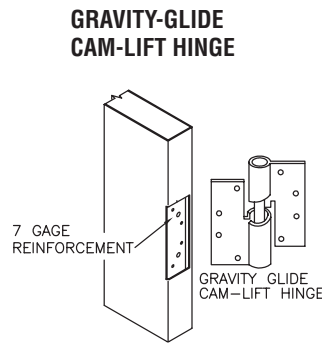
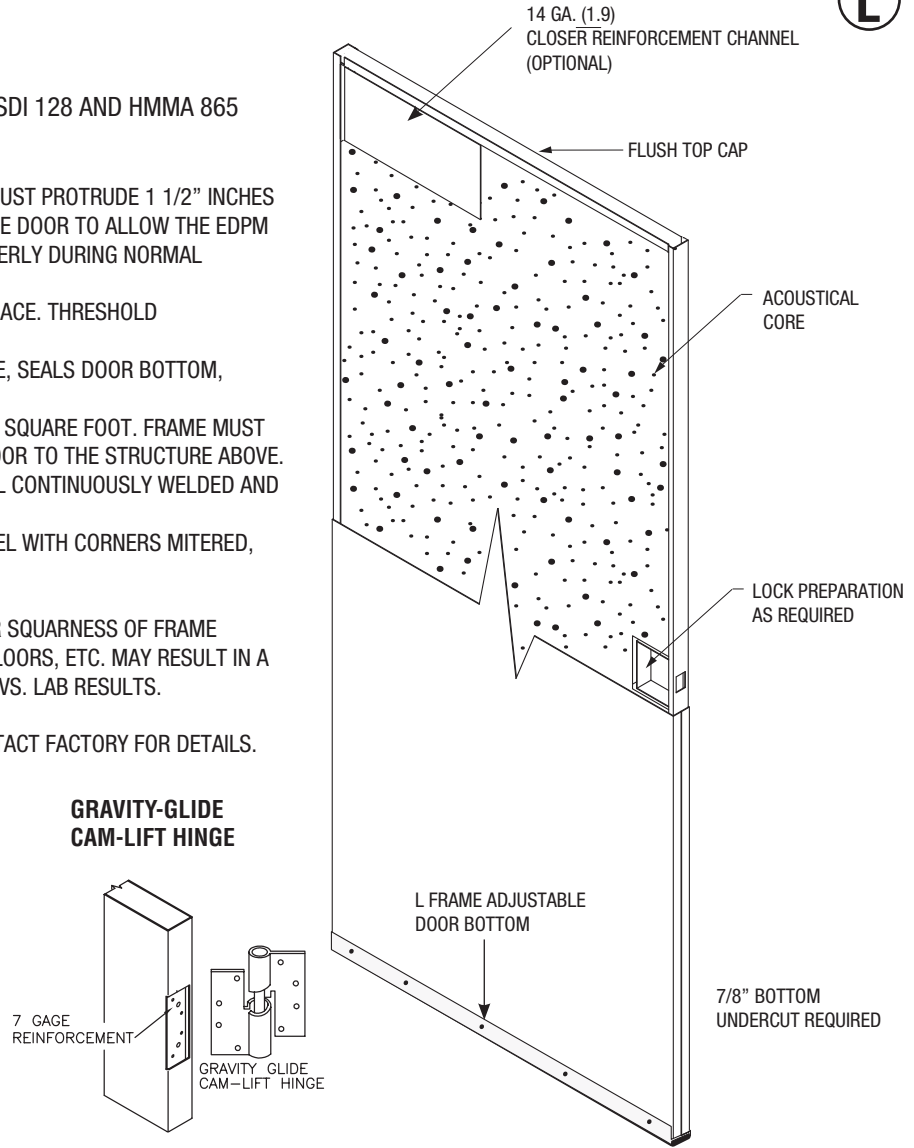
PERIMETER:
 EPDM COMPRESSION SEAL
 PEMKO S44 (2)

MEETING EDGES:
 PEMKO S44 (2)
 OPTIONAL EPDM ASTRAGAL

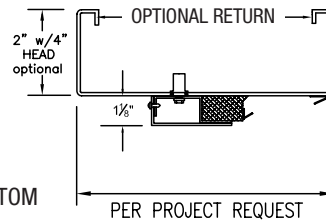
BOTTOM:
 L-FRAME ADJUSTABLE DOOR BOTTOM
 1/2" FLAT UNFLUTED THRESHOLD

757 DOOR OPTIONS:

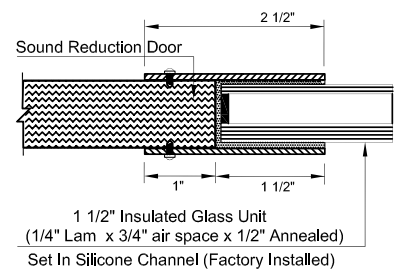
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2. GLASS AVAILABLE - POTENTIAL SOUND LOSS = 2 STC POINTS UP TO 300 SQUARE INCHES LARGER GLASS MAY RESULT IN ADDITIONAL SOUND LOSS.
3. INCREASED OPENING SIZES AVAILABLE. POTENTIAL SOUND LOSS MAY OR MAY NOT OCCUR AS SIZE INCREASES
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5. SOUND ASSEMBLIES ARE TESTED AS COMPLETE ASSEMBLIES. SOUND DEGRADATION MAY OCCUR WITH THE USE OF AN EXISTING DOOR OR FRAME.



ADJ FRAME PROFILE



OPTIONAL GLAZING



May, 2016



STANDARDS COMPLIANCE:

ASTM E 90, ASTM E 1332, ASTM E2235, ASTM E413, SDI 128 AND HMMA 865

NOTES:

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FIRE RATING:
 3 HR. MAX

OPENING SIZES:
 MINIMUM SIZE - 2'0" X 6'8" SINGLE
 MAXIMUM SIZE - 4'0" X 8'0" SINGLE

FACE TYPES:
 SEE DOOR OPTIONS BELOW

SINGLE SEAL SET RCG: **PAIR: SEAL SET RCGP:**
 (MAY VARY DEPENDING ON FEATURES/REQUIREMENTS OF OPENINGS)

PERIMETER:
 EPDM COMPRESSION SEAL
 PEMKO S44 (2)

BOTTOM:
 L-FRAME ADJUSTABLE DOOR BOTTOM
 1/2" FLAT UNFLUTED THRESHOLD

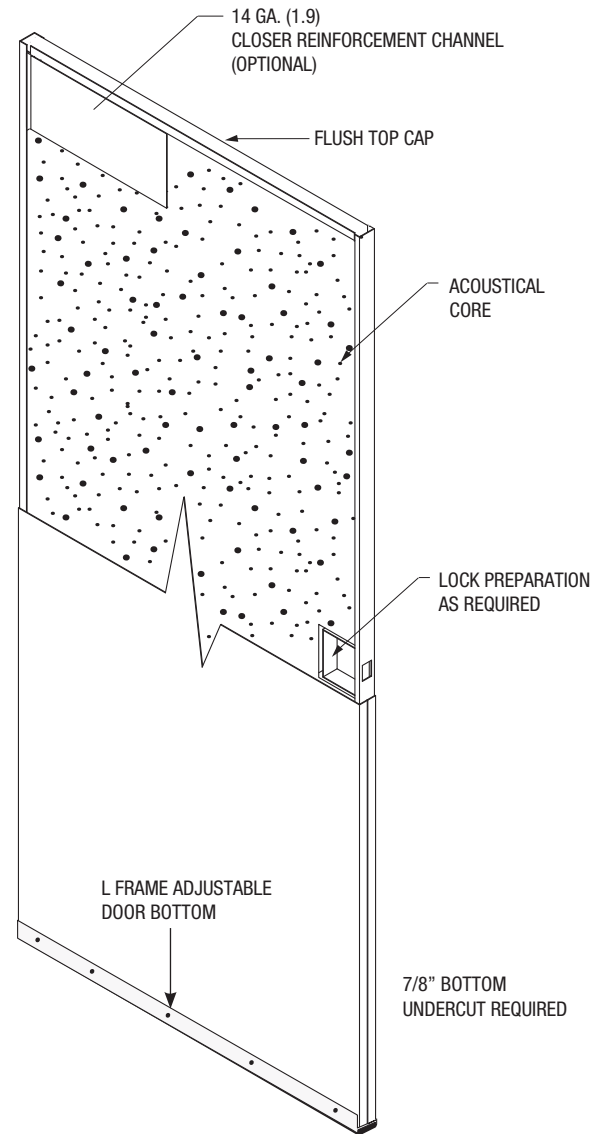
PERIMETER:
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 PEMKO S44 (2)

MEETING EDGES:
 PEMKO S44 (2)
 OPTIONAL EPDM ASTRAGAL

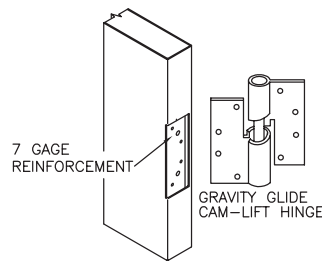
BOTTOM:
 L-FRAME ADJUSTABLE DOOR BOTTOM
 1/2" FLAT UNFLUTED THRESHOLD

757 DOOR OPTIONS:

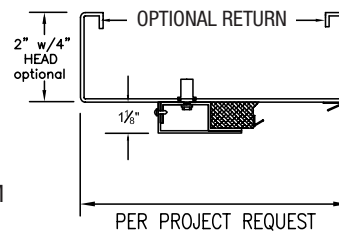
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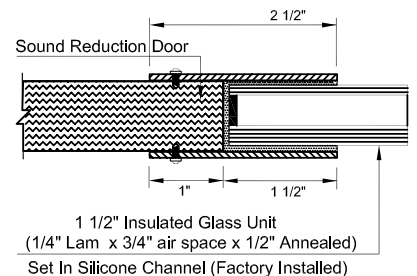
GRAVITY-GLIDE CAM-LIFT HINGE



ADJ FRAME PROFILE



OPTIONAL GLAZING



June, 2015

May, 2016

STANDARDS COMPLIANCE:

ASTM E 90, ASTM E 1332, ASTM E2235, ASTM E413, SDI 128 AND HMMMA 865

NOTES:

1. MUTES NOT ALLOWED
2. SURFACE CLOSER ONLY
3. STC LABEL APPLIED TO DOOR ONLY
4. 1-3/4" THICK DOORS
5. THE FRAMES MUST BE MORTAR FILLED TO ACHIEVE THE STC RATING
6. COMMUNICATING OPENING FRAME
7. CAMLIFT HINGES - INCLUDED
8. ELECTRIC RACEWAYS ARE ALLOWED
9. ALL SEALS, THRESHOLDS, & CAMLIFT HINGES INCLUDED
10. OTHER NON-TESTED ASSEMBLIES ARE AVAILABLE. CONTACT FACTORY FOR DETAILS.

HARDWARE LIMITATIONS:

CYLINDRICAL ONLY OR UNIT LOCKS
 3-3/4" BACKSET
 3-1/2" MAXIMUM ROSE SIZE

FIRE RATING:

NON-RATED ONLY

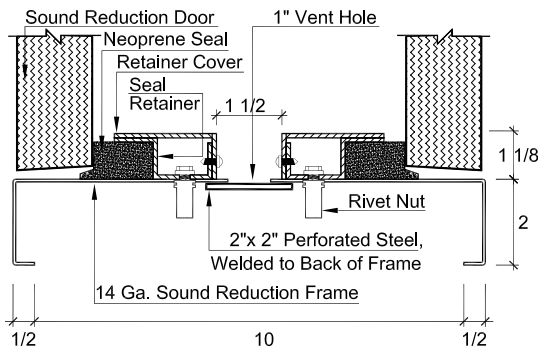
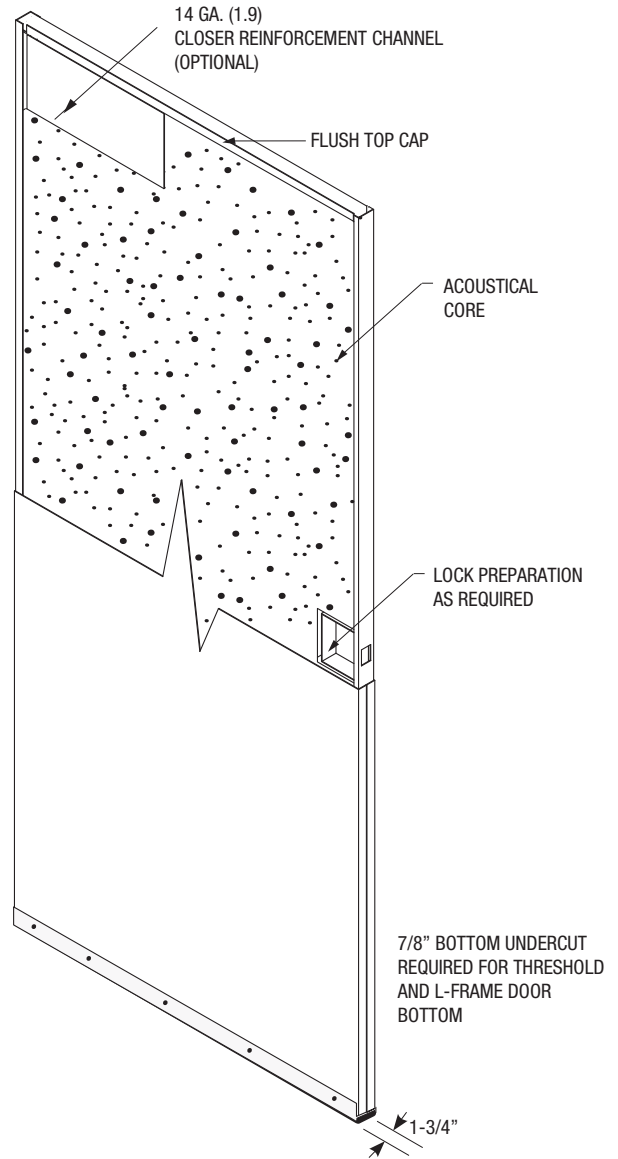
OPENING SIZES:

MAXIMUM SIZE 4'X8'

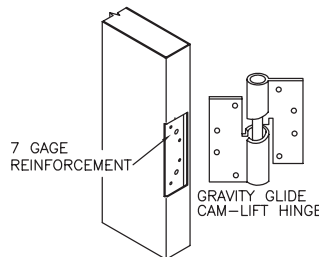
FACE TYPES:

SEAL SET:

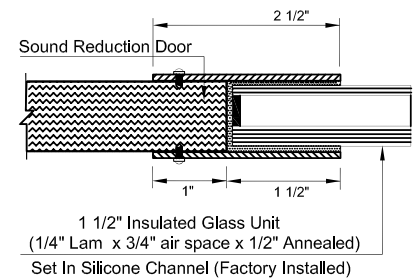
(MAY VARY DEPENDING ON FEATURES/REQUIREMENTS OF OPENINGS)



GRAVITY-GLIDE CAM-LIFT HINGE

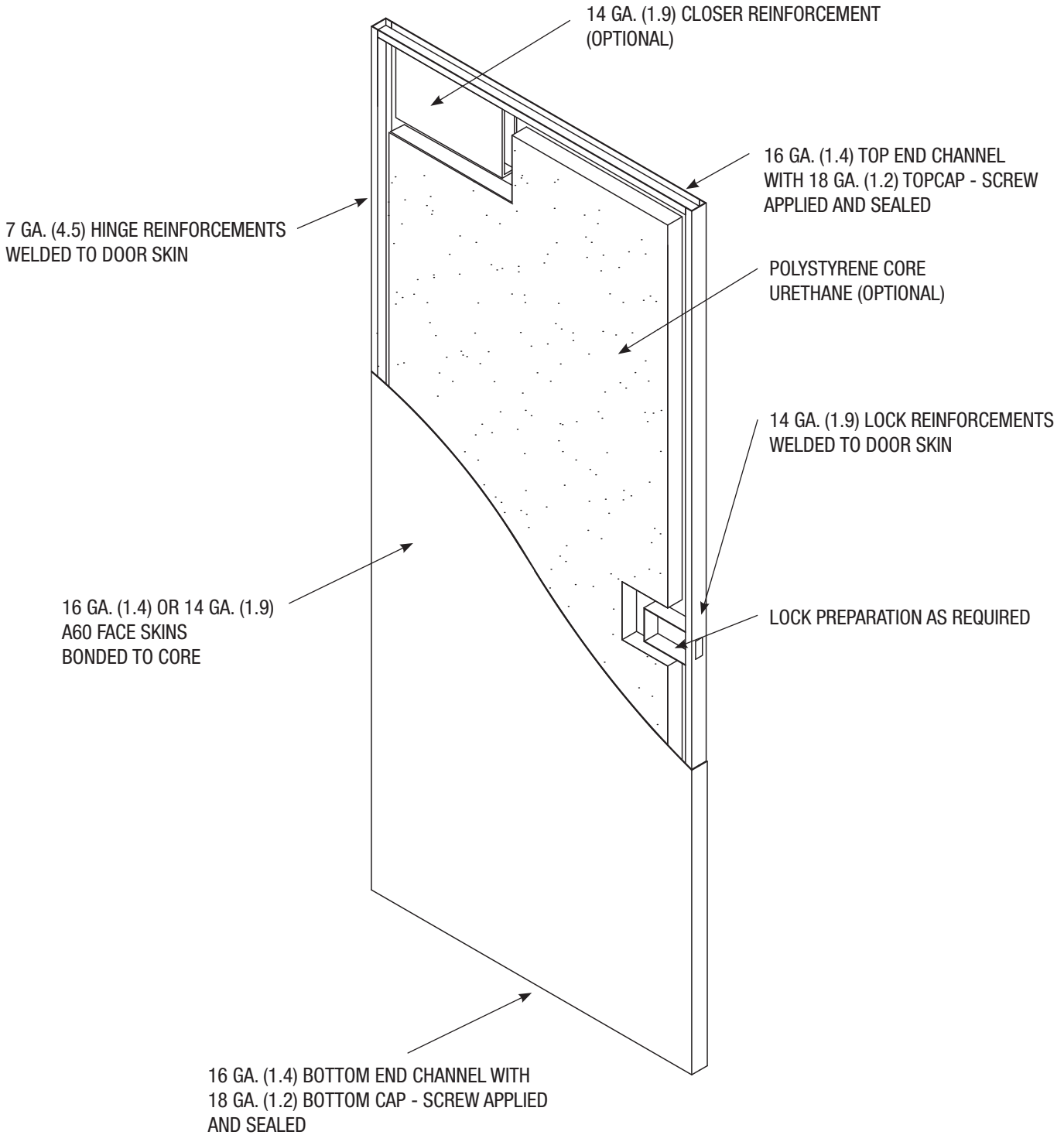


OPTIONAL GLAZING



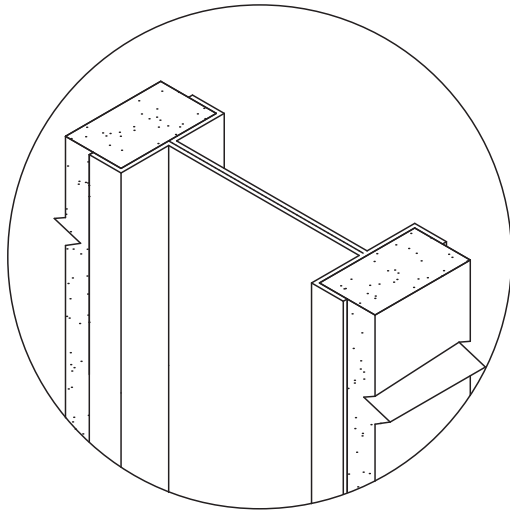
757 DOOR OPTIONS:

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5. SOUND ASSEMBLIES ARE TESTED AS COMPLETE ASSEMBLIES. SOUND DEGRADATION MAY OCCUR WITH THE USE OF AN EXISTING DOOR OR FRAME.



787 Door Construction - Water Resistant Door

Water Resistant Door Technical Data

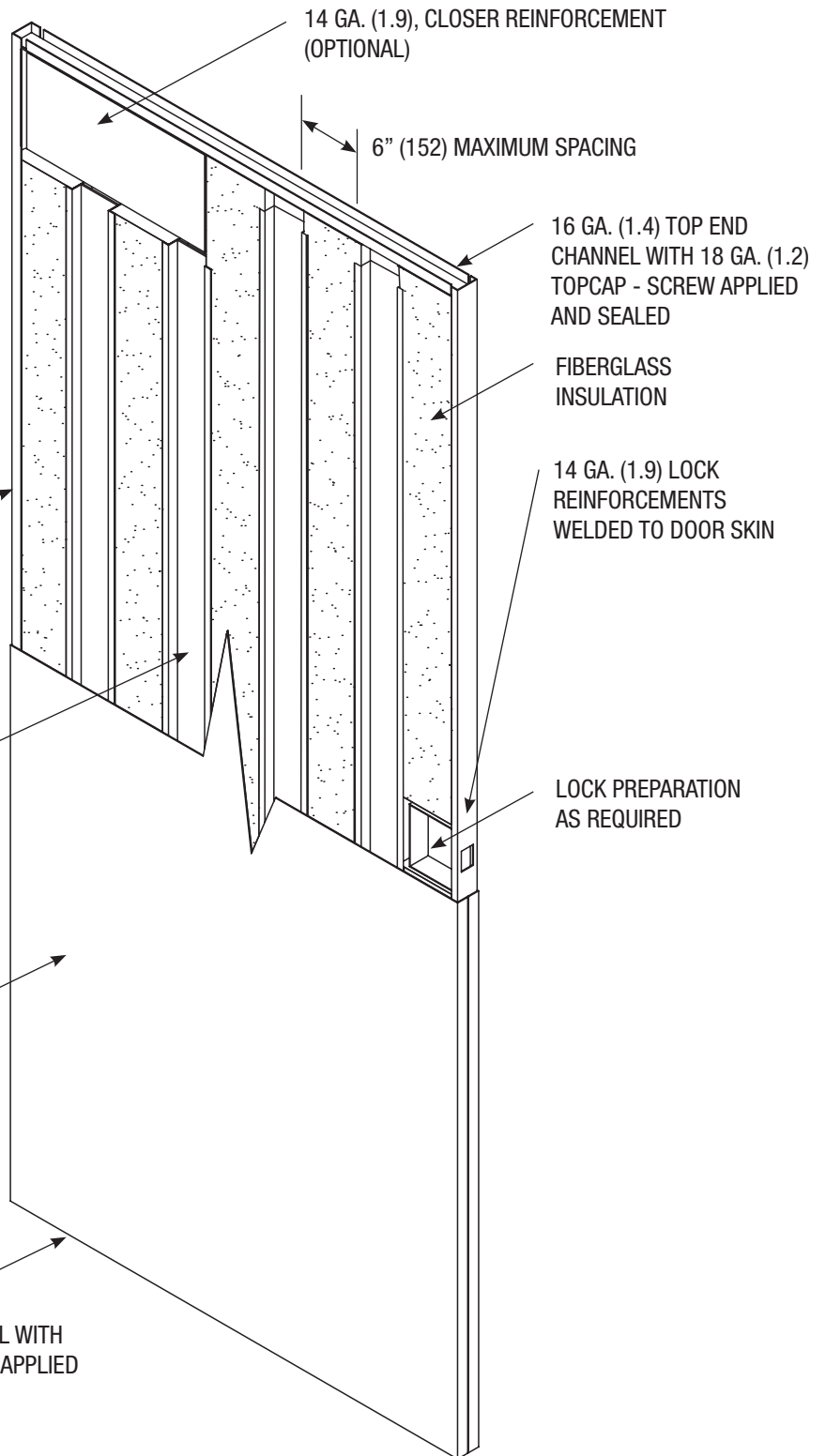


7 GA. (4.5) HINGE REINFORCEMENTS
WELDED TO DOOR SKIN

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

16 GA. (1.4) OR 14 GA. (1.9),
A60 FACE SKINS SPOT WELDED
TO RIBS AT 6" (152) MAX.
SPACING

16 GA. (1.4) BOTTOM END CHANNEL WITH
18 GA. (1.2) BOTTOM CAP - SCREW APPLIED
AND SEALED



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

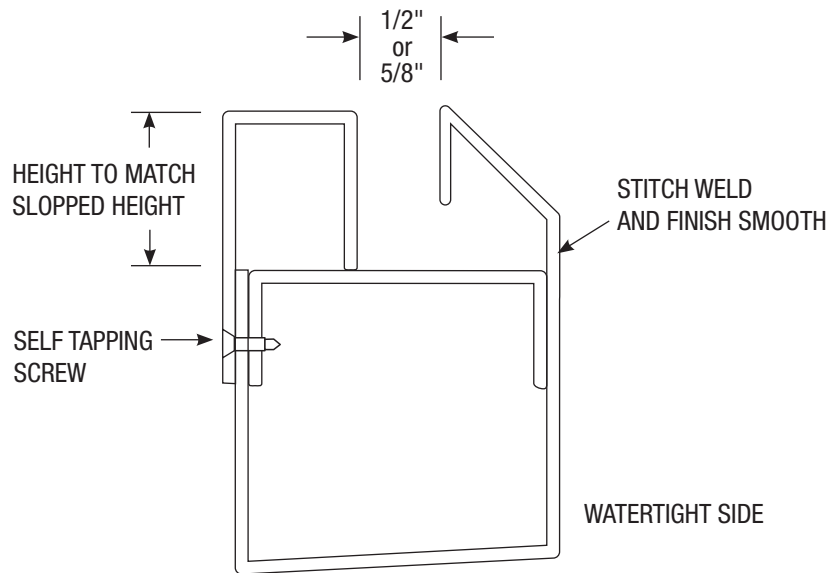
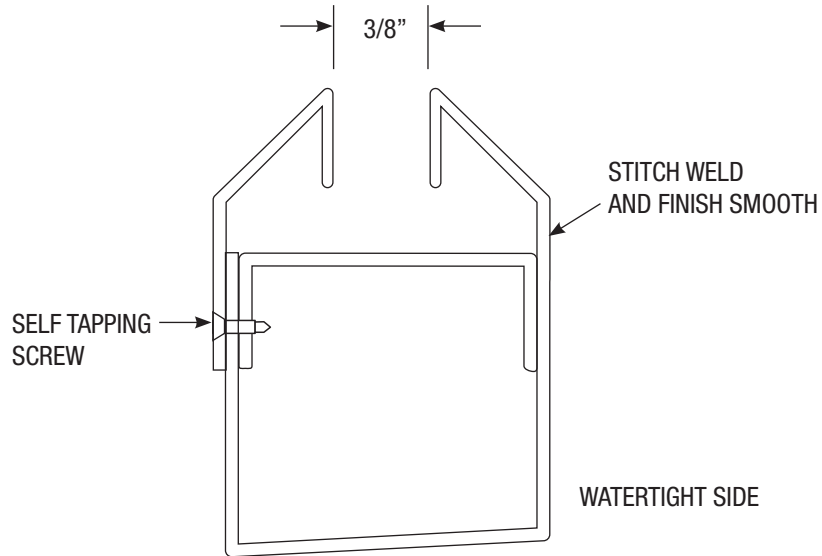
6" (152) MAXIMUM SPACING

16 GA. (1.4) TOP END
CHANNEL WITH 18 GA. (1.2)
TOPCAP - SCREW APPLIED
AND SEALED

FIBERGLASS
INSULATION

14 GA. (1.9) LOCK
REINFORCEMENTS
WELDED TO DOOR SKIN

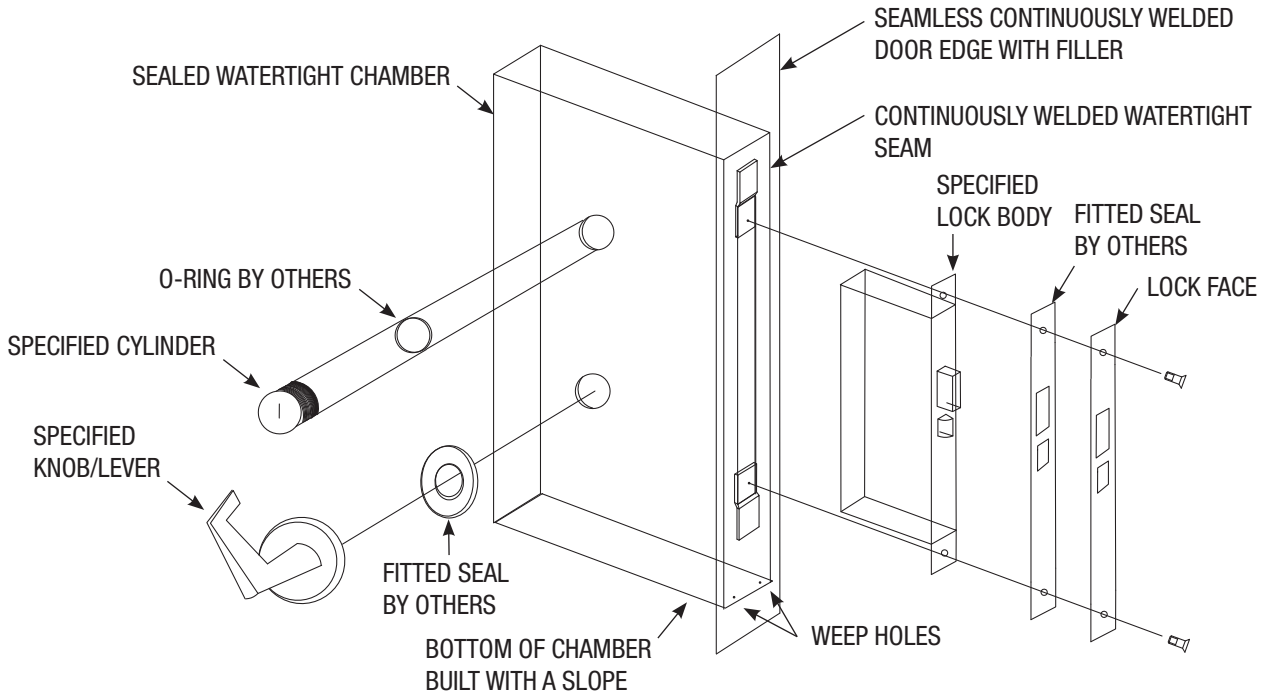
LOCK PREPARATION
AS REQUIRED



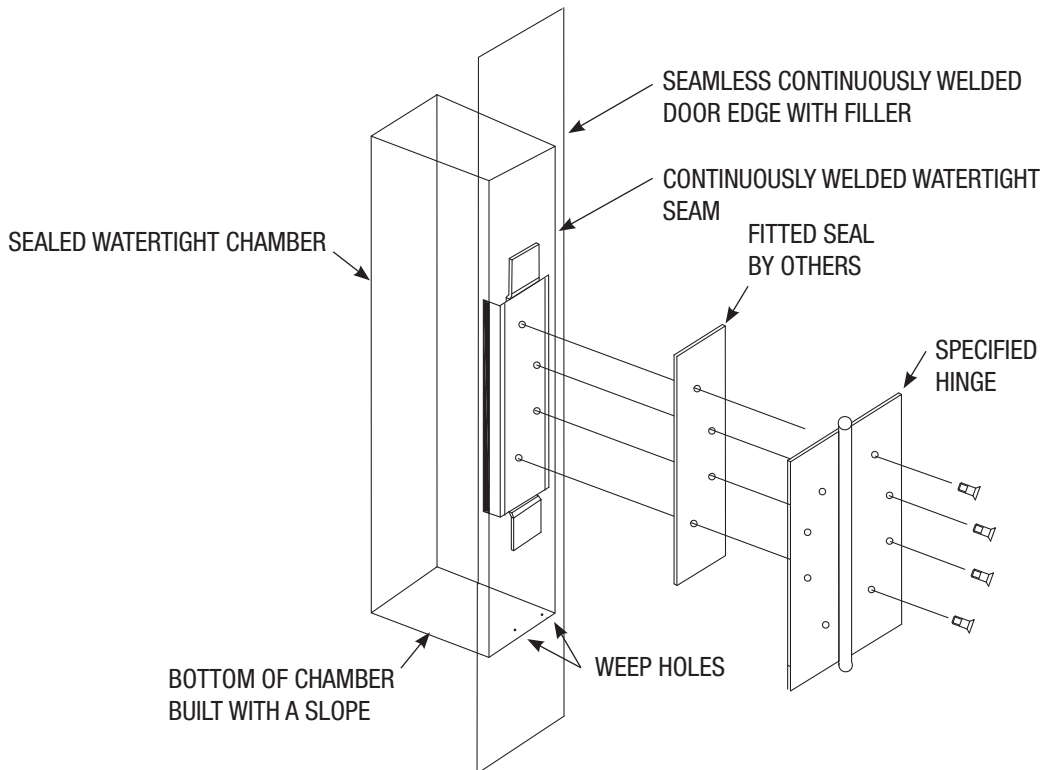
POCKET WIDTH	GLASS THICKNESS
3/8"	1/4"
1/2"	3/8" OR 5/16"
5/8"	1/2"



Lock Prep



Hinge Prep



Attack Resistant Door Opening

Attack Resistant Door Technical Data

May, 2017

DOOR WIDTH: 2'8" THROUGH 4'0"
DOOR HEIGHT: 6'8" THROUGH 8'0" SINGLES ONLY

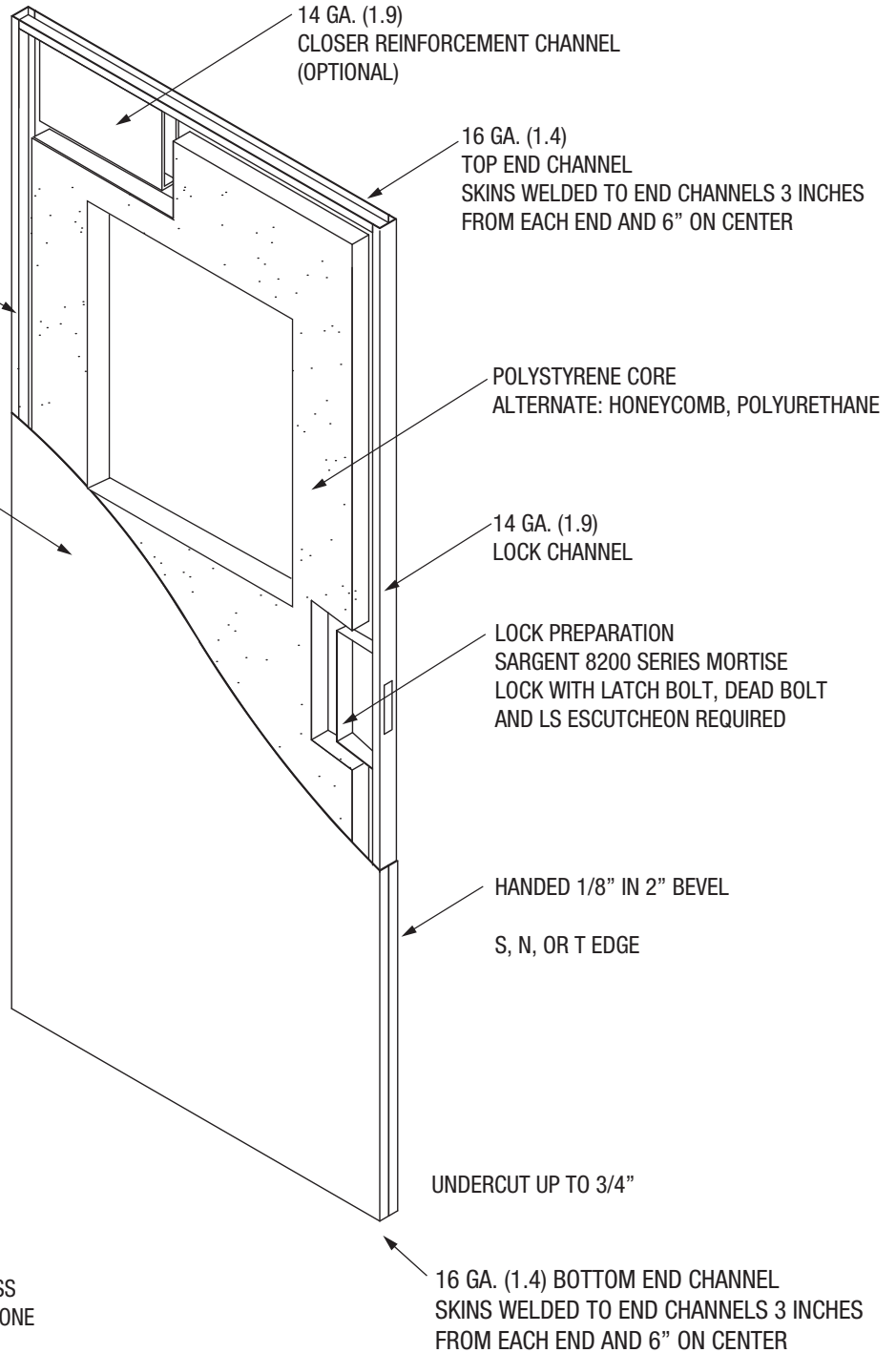
1-3/4" THICK DOOR

STEEL TYPE CRS (STANDARD), A60
GALVANNEAL, G90
GALVANIZED

14 GA. (1.9) STANDARD
HINGE CHANNEL
12 GA. (2.6) ALTERNATE

HINGE HARDWARE: 4-1/2" X 4-1/2"
STANDARD WEIGHT MORTISED
BUTT HINGES; STEEL CONTINUOUS

16 GA. (1.4) FACE SKINS
BONDED TO CORE
14 GA. (1.9) ALTERNATE



TYPE 2 (5/8" POCKET)
20 GAUGE SURROUND CHANNEL
ALTERNATE: TYPE 10 (9/16" POCKET)
20 GA. SURROUND CHANNEL

SCHOOL GUARD GLASS™ SG5™
GLASS WIDTH: 3" MIN; 35-13/16" MAX.
GLASS HEIGHT: 10" MIN., 44" MAX.
6" MIN. STILE FROM EDGE OF DOOR TO VISIBLE GLASS
7-3/4" MIN. TOP RAIL FROM TOP OF DOOR TO VISIBLE GLASS
BEDDING MATERIAL DOW CORNING 995 STRUCTURAL SILICONE
GLAZING TAPE: FIXED MOULDING - TREMCO 440
REMOVEABLE MOULDING - CLOSED CELL FOAM

GLASS AND GLAZING:

- SCHOOL GUARD GLASS™ SG5™
- GLASS AND GLAZING IS INCLUDED AND WILL BE SHIPPED LOOSE

SIDELIGHT:

VISIBLE WIDTH 6"-24" X VISIBLE HEIGHT 76-3/4"-92-3/4" -

DOUBLE SIDELIGHTS AVAILABLE

SIDELIGHTS CAN ALSO BE HALF SIDELIGHTS:

VISIBLE WIDTH: 6" TO 24"

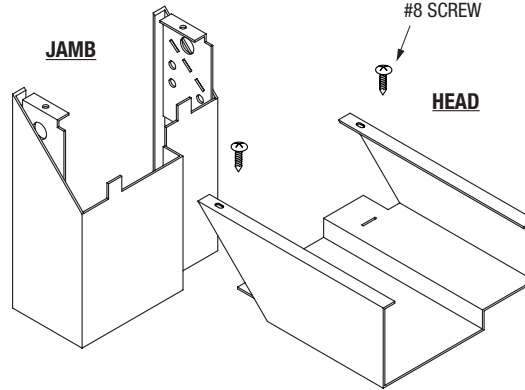
VISIBLE HEIGHT: 10" TO 92-3/4"

BORROWED LIGHT: VISIBLE WIDTH

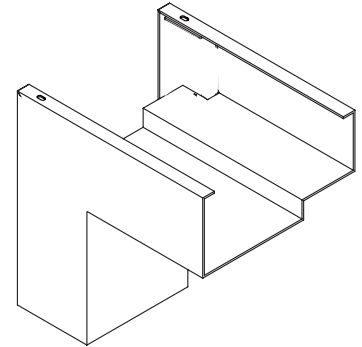
3" - 24" X VISIBLE HEIGHT 10" X 92-3/4":

ALTERNATE WIDTH MAXIMUM 35-13/16" WHEN MAXIMUM VISIBLE HEIGHT DOES NOT EXCEED 44"

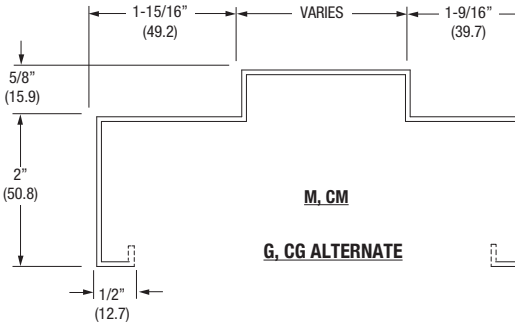
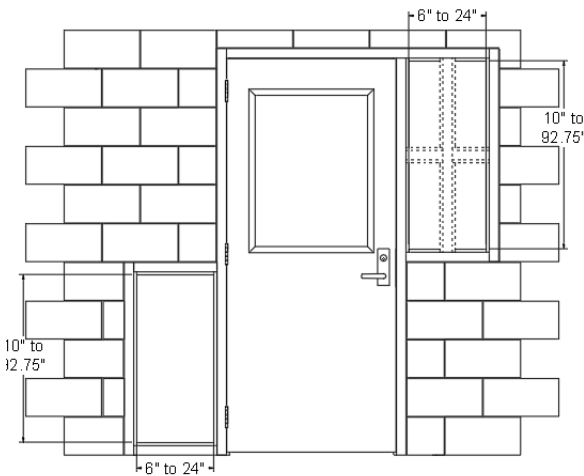
KD OR WELDED
2" OR 4" FACE HEADS



WELD CORNER ASSEMBLY



Masonry KD 2" Face Flush Frame Unequal Rabbet



STRIKE PREPARATION: E1

HINGE PREPARATION:

4-1/2" X 4-1/2" STANDARD WEIGHT MORTISED BUTT HINGES; STEEL CONTINUOUS

HINGE REQUIREMENTS:

- BUTT: THREE UP TO 90" HIGH, FOUR FOR HEIGHTS GREATER THAN 90"
- CONTINUOUS: STEEL SURFACE MOUNTED OR MORTISED

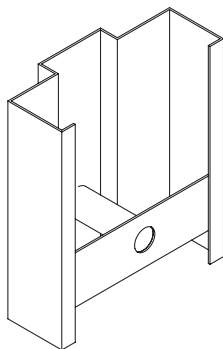
STEEL TYPE:

CRS (STANDARD), A60 GLAVANNEAL, G90 GALVANIZED

G, CG, CM PROFILE ALSO AVAILABLE

KD "M" TYPE FLUSH
GAUGE - 16 GA. (1.4), 14 GA. (1.9), 12 GA. (2.5)
VARIABLE SOFFIT
JAMB DEPTH 5-3/4" (146.1) THRU 14" (355.6) (1/8" (3.2) INCREMENTS)
AVAILABLE WITH 4" (101.6) FACE HEADS
NOTE: 5-3/4" (146.1) JAMB DEPTH STANDARD WITH 7/16" (11.1) RETURNS
TO PROVIDE 4-7/8" (123.8) THROAT OPENING

Pipe Spacer Anchor

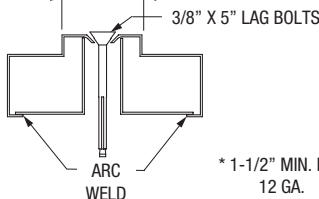


3/4" I.D.
(19.1)

1"
(25.4)

DIAMETER 3/8" (9.5) X 1-3/4" (44.5) EMBEDMENT LENGTH OR STEEL EXPANSION SHELL OR 3/8" (9.5) FLATHEAD BOLT

1-1/4" (31.7)
GAUGE: 16 (DEFAULT)
14, 12 (ALTERNATE)



* 1-1/2" MIN. FOR 12 GA.

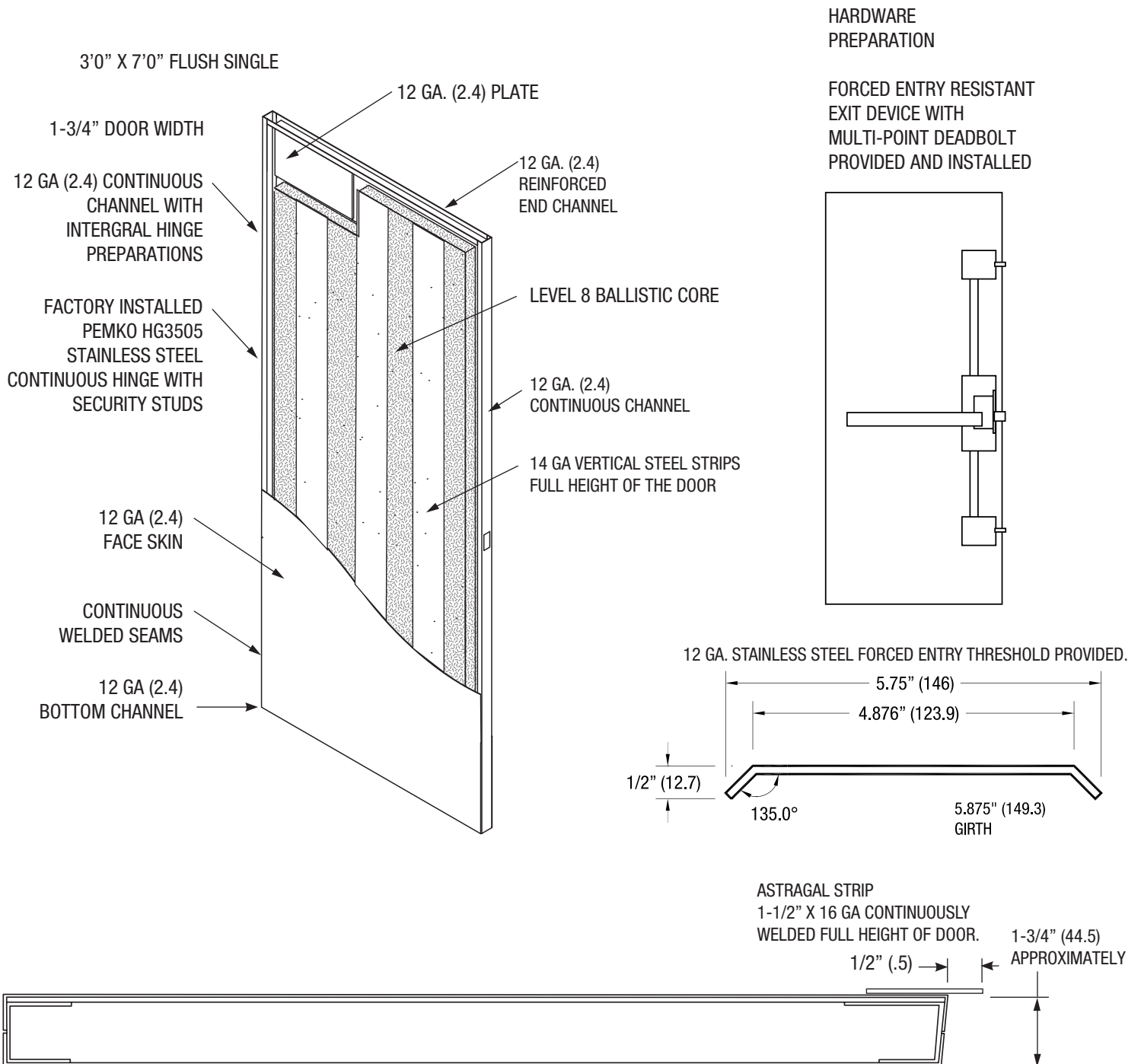
ANCHOR PART NUMBER: P0044
ORDER CODE LOOSE: PS
ORDER CODE WELDED: WPS

- ALTERNATE ANCHORS:
- ADJUSTABLE MASONRY
 - WOOD STUD
 - STEEL STUD
 - EXPANSION SHELL
 - MASONRY T

November, 2016

TEST METHODS AND QUALIFICATIONS

- FORCED ENTRY AND BALLISTIC RESISTANCE OF STRUCTURAL SYSTEMS - DOORS WERE TESTED PER DOS ST-STD.01.01 SHOT WITH 5.56 AND 7.62 ROUNDS AND THEN ATTACKED BY A SIX MAN CONCENTRATED ASSUALT TEAM FOR 15 MINUTES ON THE LOCK EDGE, 15 MINUTES ON THE HINGE EDGE, 15 MINUTES ON THE CENTER OF THE DOOR
- TESTED IN ACCORDANCE WITH STANDARD FOR SAFETY UL752; STANDARD FOR BULLET RESISTANT EQUIPMENT
- ANSI/BHMA A156, 1; BUTTS AND HINGES
- ASTM F3038-14; STANDARD TEST METHOD FOR TIMED EVALUATION OF FORCED ENTRY RESISTANT SYSTEMS
- COMPLIES WITH DEPARTMENT OF STATE SD STD-01.01 REV G (AMENDED) AS TESTED BY OBL LAB

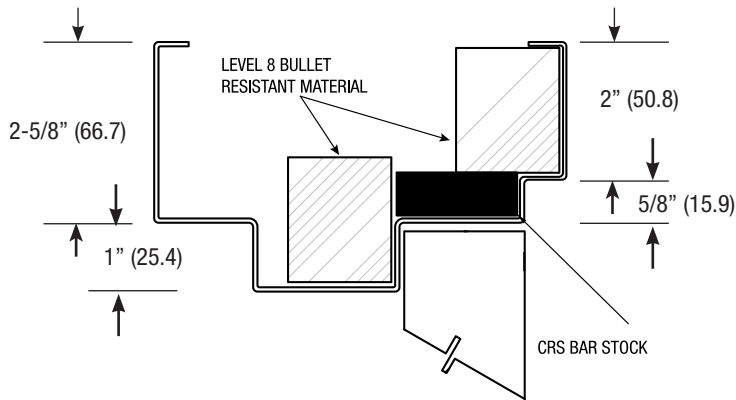




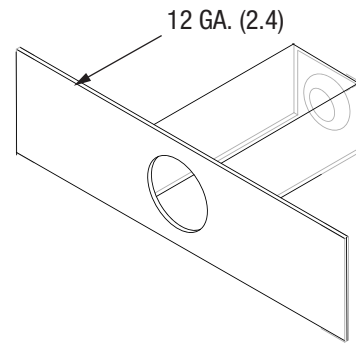
TEST METHODS AND QUALIFICATIONS

- FORCED ENTRY AND BALLISTIC RESISTANCE OF STRUCTURAL SYSTEMS - DOORS WERE TESTED PER DOS ST-STD.01.01 SHOT WITH 5.56 AND 7.62 ROUNDS AND THEN ATTACKED BY A SIX MAN CONCENTRATED ASSUALT TEAM FOR 15 MINUTES ON THE LOCK EDGE, 15 MINUTES ON THE HINGE EDGE, 15 MINUTES ON THE CENTER OF THE DOOR
- TESTED IN ACCORDANCE WITH STANDARD FOR SAFETY UL752; STANDARD FOR BULLET RESISTANT EQUIPMENT
- ANSI/BHMA A156, 1; BUTTS AND HINGES
- ASTM F3038-14; STANDARD TEST METHOD FOR TIMED EVALUATION OF FORCED ENTRY RESISTANT SYSTEMS
- COMPLIES WITH DEPARTMENT OF STATE SD STD-01.01 REV G (AMENDED) AS TESTED BY OBL LAB

TYPICAL FORCED ENTRY FRAME PROFILE



EXISTING OPENING ANCHOR



PUNCHED AND DIMPLED FOR 3/8" BOLT.
BOLTS BY OTHERS.

NOTE: ANCHORS MAY VARY IN APPEARANCE
BASED ON THE PLACEMENT OF ARMOR.

NOTES:

- FRAME IS 12 GA.
- FULL MORTISE FOR PEMKO HG3505 STAINLESS STEEL CONTINUOUS HINGE WITH SECURITY STUDS
- 4" FACE AND HOSPITAL STOPS NOT AVAILABLE
- JAMB DEPTHS 5-3/4" TO 14"
- STEEL TYPE A40 STANDARD, A60, G90 OPTIONAL
- DOOR RABBET 1-15/16"
- OPPOSITE DOOR RABBET 1-9/16" OR 1-15/16"
- RETURN WIDTH 1/2" STANDARD, 7/16" OPTIONAL
- BACKBEND RETURN 1/2"

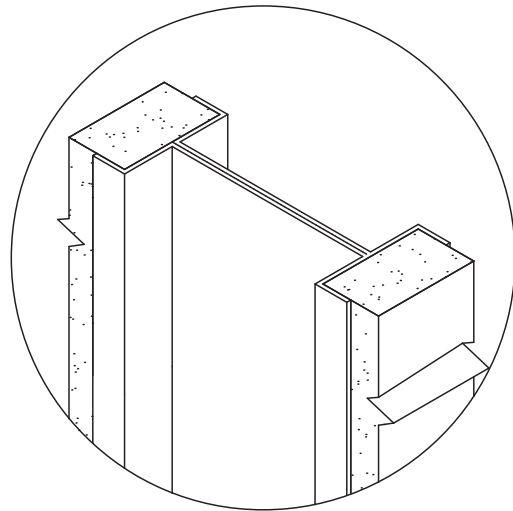
Flood Resistant Door Technical Data

July, 2017



TESTED TO THE AMERICAN NATIONAL STANDARD FOR FLOOD ABATEMENT EQUIPMENT FOR WATER DEPTHS UP TO AND INCLUDING 36" TO STANDARDS SET FORTH BY ANSI/FM APPROVALS 2510-2014 (SECTION 4.3) NOT EXCEEDING MAXIMUM ALLOWABLE WATER SEEPAGE.

- 10" BY 10" LITE IS ALLOWED AT THE TOP OF THE DOOR
- OPTIONAL STAINLESS STEEL AVAILABLE

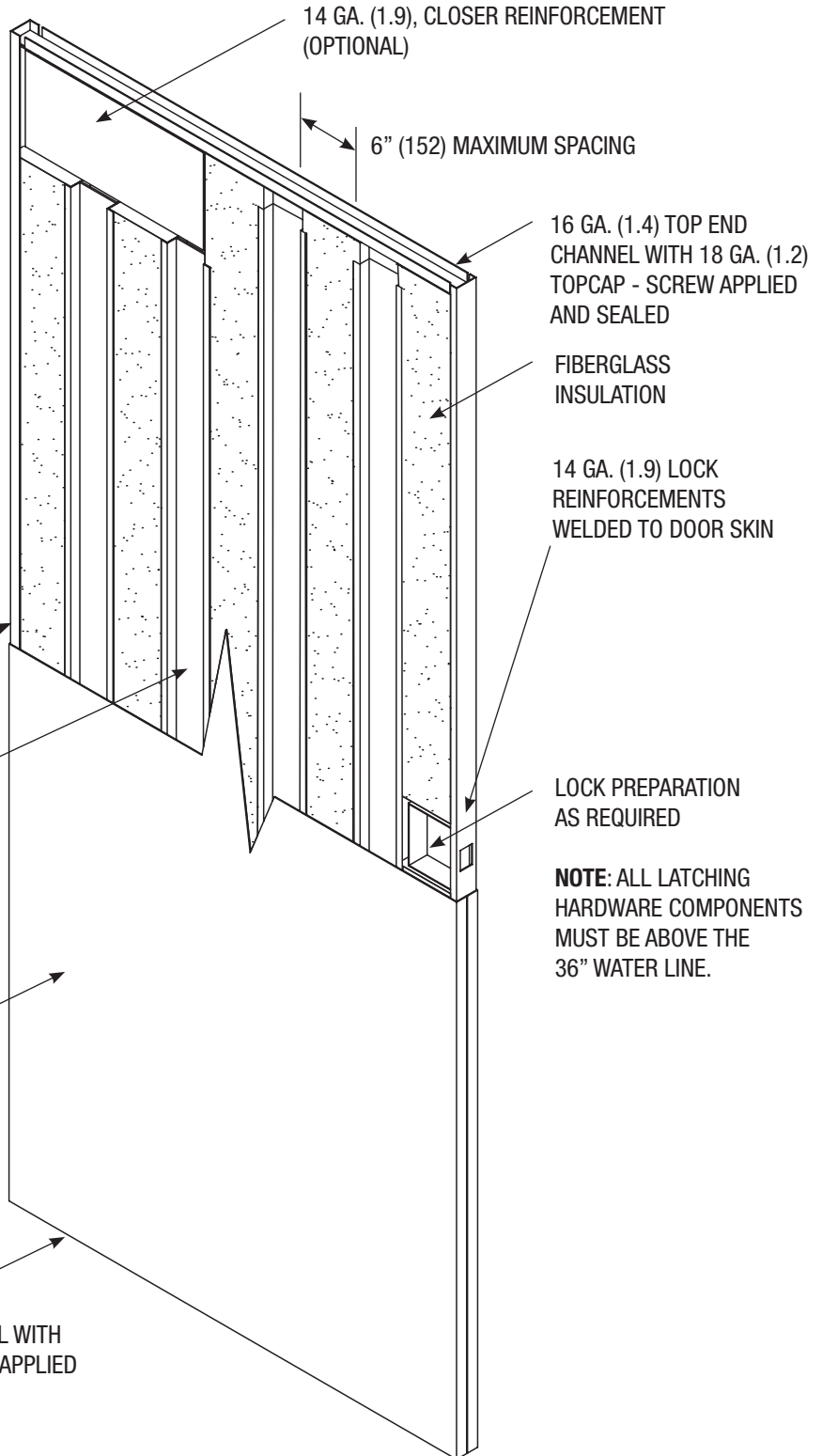


7 GA. (4.5) HINGE REINFORCEMENTS WELDED TO DOOR SKIN

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

16 GA. (1.4) OR 14 GA. (1.9), A60 FACE SKINS SPOT WELDED TO RIBS AT 6" (152) MAX. SPACING

16 GA. (1.4) BOTTOM END CHANNEL WITH 18 GA. (1.2) BOTTOM CAP - SCREW APPLIED AND SEALED

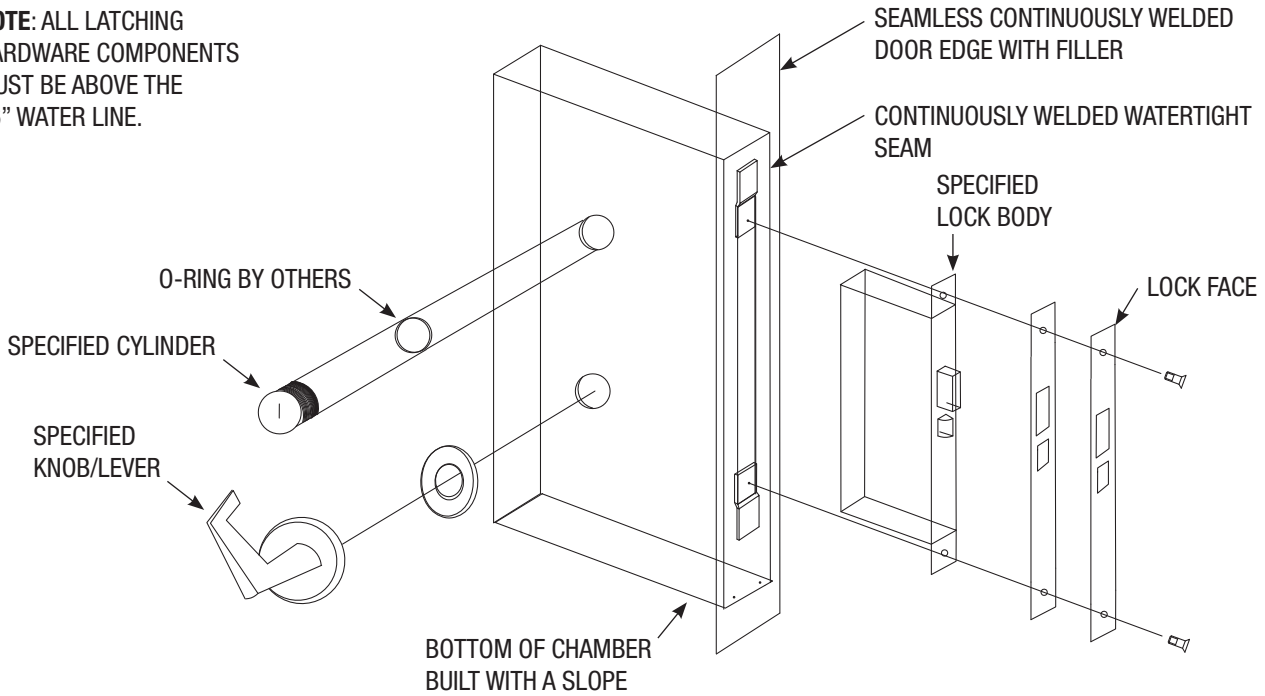


NOTE: ALL LATCHING HARDWARE COMPONENTS MUST BE ABOVE THE 36" WATER LINE.

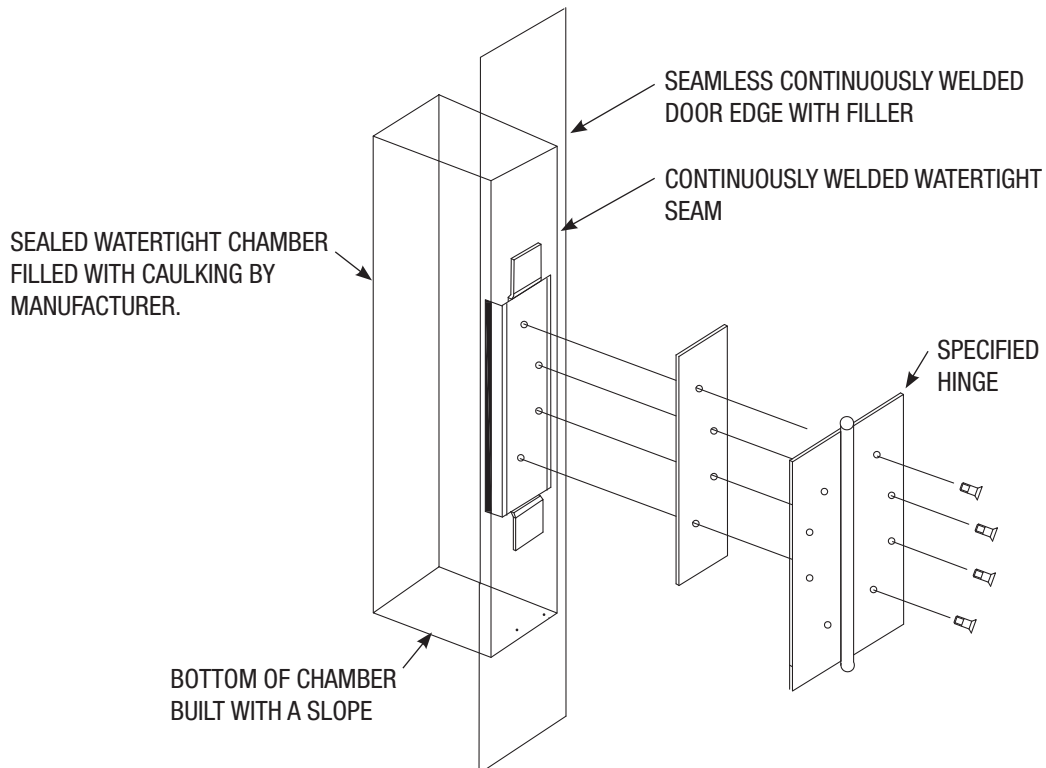


Lock Prep

NOTE: ALL LATCHING HARDWARE COMPONENTS MUST BE ABOVE THE 36" WATER LINE.



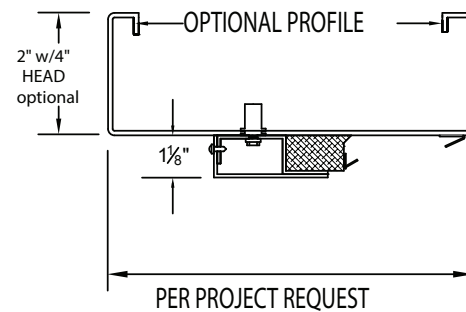
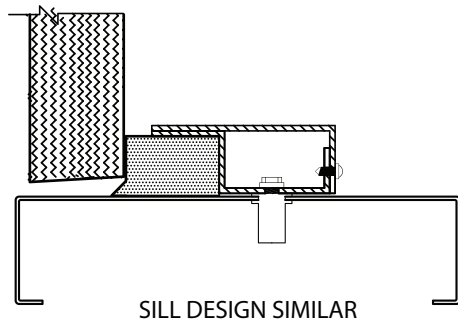
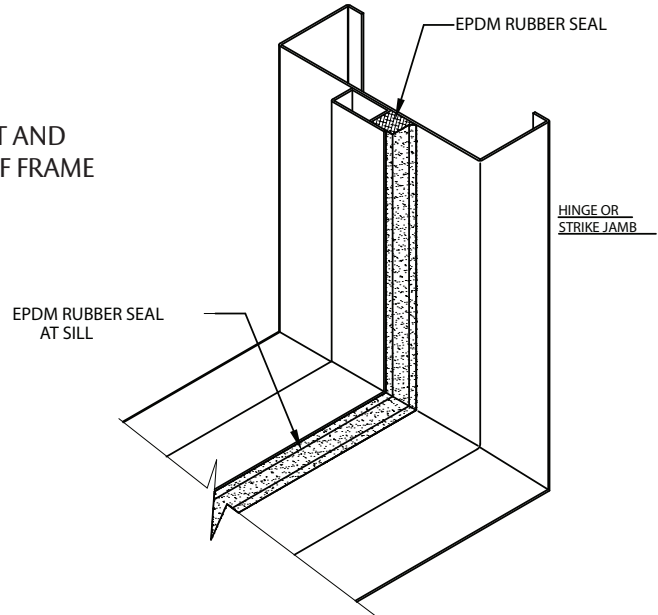
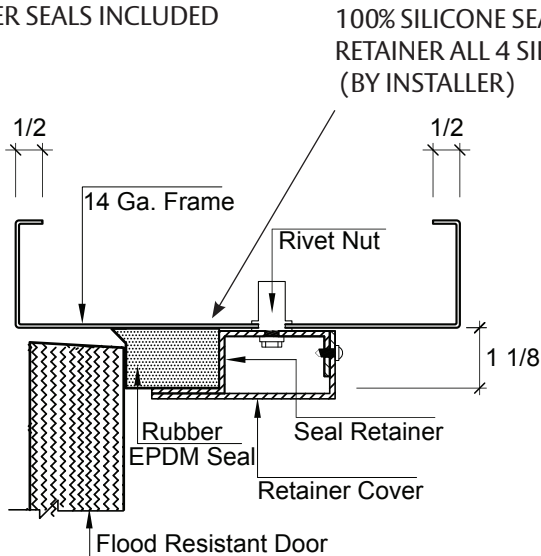
Hinge Prep



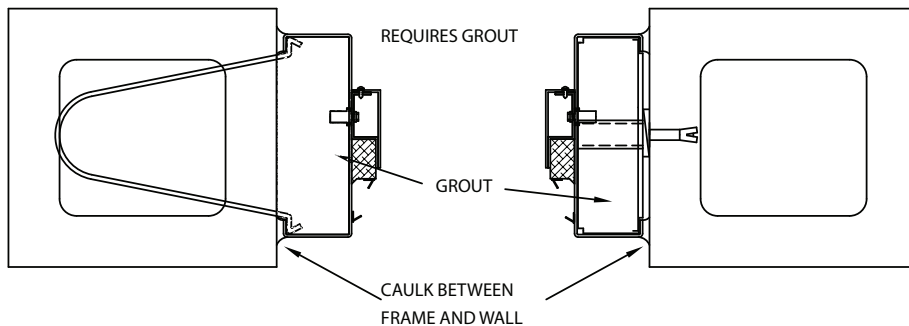
July, 2017

FRM - MASONRY FRAME

- 4 SIDED WELDED FRAME CONSTRUCTION
- 14 TO 12 GAUGE FRAMES WITH OPTIONAL STAINLESS STEEL
- UP TO AND INCLUDING 3070 SIZES
- FRAMES MUST BE GROUTED
- PERIMETER SEALS INCLUDED



SOME COMMON MASONRY APPLICATIONS SHOWN BELOW.





NOTE: ALL LATCHING HARDWARE COMPONENTS MUST BE ABOVE THE 36" WATER LINE.

It is important that flood door systems be properly installed and sealed into the wall to prevent leakage. Flood Resistant systems are furnished with specific detailed seal installation instructions.

CURRIES Tech Manual

Windstorm Certified Products Section

Revised January, 2018

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CURRIES Severe Windstorm Product Specs.....	3-6	
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Weather Strip for Water Infiltration	9-10	
StormPro 320 Frame Details (T2)	11	 Tornado ICC 500-2014
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StormPro 361 Door and Frame Construction SARGENT FM8700 Exit	14-15	
StormPro 361 Door and Frame Construction Corbin Russwin FE5400S Exit.....	16-17	
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(Corbin Russwin FE6600, SARGENT FM7300)		
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Introduction

CURRIES wind resistant products that have been successfully tested to several test methods.

These methods include:

- 1) High velocity hurricane zone (HVHZ) Test Protocols
TAS-201 – Cyclic Wind Pressure Loading and Impact Test Procedure
TAS-202 - Criteria for Testing Impact and Non-Impact Resistant Building Envelope Components Using Uniform Static Air Pressure.
TAS-203 – Criteria for Testing Product Subject to Cyclic Wind Pressure Loading
- 2) ASTM E330 – Test Method E330 Standard Test Method for Structural Performance of Exterior Windows, Curtain Walls, and Doors by Uniform Static Air Pressure Difference.
- 3) ASTM E1886 – Test Method E1886 Standard Test Method for Performance of Exterior Windows, Curtain Walls, Doors, and Storm Shutters Impacted by Missile(s) and Exposed to Cyclic Pressure Differentials.
- 4) ASTM E1996 - Test method E1996 performance of exterior windows, curtains walls, doors and storm shutters impacted by wind borne debris in hurricanes.

Dade County Approved Products

Products that have been successfully tested to the TAS Protocols may be designated with an eight-digit acceptance number. The number can be found later in this section. A Dade County label must be affixed to the door and frame of Dade County Approved product, if required by the local jurisdiction. The Design Pressure represents the pressure used as the basis for testing the assemblies to the TAS protocols.

Florida Building Code Requirements

The Florida Building Code specifies that products must be tested to either the State of Florida TAS or ASTM test methods. Products installed in the Dade or Broward Counties, (also designated as the High Velocity Hurricane Zone (HVHZ) must be successfully tested to the TAS test protocols. The Florida Building Code also provides several methods for acceptance of products:

- 1) Certification testing to the ASTM or TAS test methods.
- 2) Third party certification - (UL, Warnock Hersey)
- 3) Dade County Product Approval
- 4) Engineering Evaluation

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CURRIES Wind Resistant Product

Windstorm Certified Products Technical Data



March, 2010

Order Requirements

Basic order requirements for each approved assembly are provided on the following pages. Further design information is available in individual CURRIES drawings. Drawings are entered in the drawing database under "Wind" in the product field.

General Order requirements include:

- 1) Product must be configured as defined on the attached pages to FBC requirements (including high velocity hurricane zone).
- 2) Single doors cannot be used as the active leaf of a pair, but the active leaf of a pair can be used as a single door.
- 3) Units smaller than the size tested may be used.
- 4) All fire resistance requirements must be met to apply a fire label.
- 5) Only the MARKAR WLV60 louver may be used for louvered doors.
- 6) Glazed Doors - Specific products must be used in glazed doors. See individual assemblies for products, requirements, and limitations.
 - a) 1/4" thick Dade County clear polycarbonate installed with closed cell foam tape on both sides of the polycarbonate sheet. The polycarbonate tested was Hyzod brand by DSM Engineering Plastics Corporation. Type 1 vision light kits are used for the 1/4" polycarbonate.
 - b) Nebula Glass Glasslam Plus 2 Laminated glass assembly installed with Dow Corning 995 structural silicone per the manufacturer's instructions. Closed cell foam tap is used on both sides of the glass assembly. A Type 2 vision light kit with 5/8" pocket is required.
- 7) Product certified by a Dade County NOA must have a Dade County Florida acceptance label.
- 8) The customer specified pressure cannot be greater than the Design Pressure or for assemblies required to meet ASTM E1886. Impact speed is 50 feet per second.
- 9) For assemblies required to meet ASTM E330 only, the customer-supplied pressure cannot be greater than the Design Pressure.
- 10) Standard Weight or heavy weight 4-1/2" x 4-1/2" or 5" x 4-1/2" steel butt hinges and continuous hinges may be used where indicated.
- 11) Z astragals may not be used on any assemblies.
- 12) Transom panels must be 1-3/4" thick 707 or 747 panels.
- 13) Transom lights must be Glasslam Plus2 laminated glass assembly with closed cell foam tape. Pocket width is 5/8". Must use 5/8" glass stop with UL screw spacing.
- 14) Anchors - Anchors are CURRIES locations unless otherwise specified.
- 15) Minimum Jamb Depth is 5-3/4" - Maximum jamb depth is 14" unless indicated otherwise. Frame must be fully supported by the wall.

Design Pressure	Product	Maximum Size of Opening	Hardware	Door	Face Type or Frame Glazing	For Use in the HVHZ ¹	FL Building Commission Approval Number
+/-150	Door (Component)	8'0" x 8'0"	Surface Vertical Rod	707 747	F, FV, FNV, FNV5, FNV6, FNV7, FNV8, FNV9	Yes	FL11537
+/-150	Door and Frame (Component)	8'0" x 8'0"	Multi Point Lock	707	N/A	Yes	FL4553
+/-150	Frame (Component) Side Panel	8'0" x 8'0"	Surface Vertical Rod	707 747	N/A	Yes	FL11537
+/-115	Door and Frame Component	3'0" x 7'0"	Mortise Lock (latch bolt and dead bolt)	757	Flush	Yes	FL11537
+/-115	Door and Frame Component	3'0" x 7'0"	Mortise Lock (latch bolt and dead bolt), Rim Exit	707, 727, or 747	Flush	Yes	FL8768
+/-100	Door and Frame Component	3'0" x 7'0"	Cylindrical, Mortise Lock (latch bolt and dead bolt), Rim Exit	707, 727, 747 777, 777E	Flush	Yes	FL11537
+/-100	Door and Frame Component	3'0" x 7'0"	Cylindrical, Mortise Lock (latch bolt and dead bolt)	757	Flush	Yes	FL11537
+/-100	Door and Frame Assembly	3'0" x 7'0"	Sargent 8200 (latch bolt and deadbolt)	707	Flush	Yes	FL8394
+/-85	Door and Frame Assembly	4'0" x 7'0"	Sargent 8200 with surface bolts	747	Flush	Yes	None
+/-85	Door and Frame Assembly	3'0" x 7'0"	Sargent 6500	707	Flush	Yes	FL8394 FL6705
+/-80	Door and Frame Assembly	3'0" x 7'0"	Sargent 8900	707	Flush	Yes	FL8394
+/-80	FRP Door and Aluminum Frame Assembly	6'8" x 7'2"	Sargent HC8800 rim exit with Sargent HCL980 mullion static load only (no impact)	907	Visible lites up to 26-3/4" x 33-1/4"	No	FL17757
+/-75	Door and Frame Assembly	8'0" x 8'0"	Sargent HC8700 Sargent 8200 with surface bolts on both leafs	747	Flush	Yes	None
+/-72	Door and Frame Assembly	3'0" x 7'0"	Sargent 8200 / Sargent 10 line	707	Up to HG (24 x 32)	Yes	FL8394
+/-70	Door and Frame Component	6'0" x 7'0"	Mortise Lock (latch bolt and dead bolt) active, Flush Bolts Inactive	777 777E	Flush	Yes	FL11537
+/-70	Door (Component)	8'0" x 8'0"	Concealed Vertical Rod, Mortise Lock (latch bolt and dead bolt) active, Surface bolts inactive, Rim Exit, Surface Vertical Rod	707, 727, or 747	Up to HG (32 x 42) Up to FL (34 x 78)	Yes	FL11537
+/-70	Door (Component)	8'0" x 8'0"	Rim Exit, Surface Vertical Rod	777E	Up to HG (32 x 42)	Yes	FL4555 FL10723
+/-70	Door (Component)	8'0" x 8'0"	Concealed Vertical Lock and Cylindrical Deadbolt Active, Flush Bolts Inactive; Mortise Lock (Latch Bolt and Dead Bolt) Active, Flush Bolts Inactive; Rim Exit, Surface Vertical Rod	777 777E	Flush	Yes	FL4553 FL10723
+/-70	Frame (Component)	8'0" x 8'0"	Concealed Vertical Rod, Mortise Lock (latch bolt and dead bolt) active, Surface bolts inactive, Rim Exit, Surface Vertical Rod	N/A	N/A	Yes	FL11537
+/-70	Door (Component)	4'0" x 8'0"	Concealed Vertical Rod, Mortise Lock (latch bolt & dead bolt), Rim Exit, Surface Vertical Rod	707, 727, or 747	Up to HG (32 x 42) Up to FL (34 x 78)	Yes	FL11537
+/-70	Door (Component)	4'0" x 8'0"	Cylindrical Lock, Mortise Lock (latch bolt & dead bolt) Active, Rim Exit, Surface Vertical Rod	777 777E	Flush	Yes	FL4553 FL10723
+/-70	Frame (Component)	4'0" x 8'0"	Concealed Vertical Rod, Mortise Lock (latch bolt and dead bolt), Rim Exit, Surface Vertical Rod	N/A	N/A	Yes	FL11537
+/-70	Door (Component)	3'0" x 7'0"	Mortise lock (latch bolt & dead bolt), Cylindrical lock and Deadbolt, Interconnected Lock	607, 707, 727 or 747	Up to HG (32 x 42) Up to FL (34 x 78)	Yes	FL11537
+/-70	Frame: ReadySet Frame (Component)	3'0" x 7'0"	Mortise lock (latch bolt & dead bolt), Cylindrical lock and Deadbolt, Interconnected Lock	N/A	N/A	Yes	FL8768
+/-70	FRP Door and Aluminum Frame Assembly	3'0" x 7'0"	Mortise Lock: Sargent 7800, 8200, or R8200 Series with Optional Deadbolt. Rim Exit Device: Adams Rite 8700 Series	907	Flush	No	FL17757

NOTE: Doors, frame, and hardware certified to: TAS 201, 202, 203, ASTM E330, E1886, E1996, ANSI A250.13 except where noted.

1) Products approved for use inside and outside high velocity Hurricane Zone (HVHZ). See Hurricane-Resistant Guide on website. www.curries.com

4 CURRIES Hurricane-Resistant Products

Windstorm Certified Products Technical Data



September, 2015

Design Pressure	Product	Maximum Size of Opening	Hardware	Door	Face Type or Frame Glazing	For Use in the HVHZ ¹	FL Building Commission Approval Number
+/-62	Door and Frame Assembly	8'0" x 8'0"	Sargent HC8700	747	Flush	Yes	FL8394
+/-60	FRP Door and Aluminum Frame Assembly	3'0" x 7'0"	Cylindrical Locks: Sargent 11 Series, Corbin Russwin CL3100	907	Flush	No	FL17757
+/-60	Door and Frame Assembly	6'0" x 7'0"	Sargent 8200 (latch bolt and deadbolt)	707	F	Yes	FL8394
+/-60	Door (Component)	6'0" x 8'0"	Concealed Vertical Rod, Mortise Lock (latch bolt and dead bolt) active, Surface bolts inactive, Rim Exit, Surface Vertical Rod	707, 727 or 747	Up to FG (24 x 66) Up to FL (24 x 78)	Yes	FL11537
+/-60	Frame With/Without Transom (Component)	Frame 6'0" x 8'0" or Transom Frame	Concealed Vertical Rod, Mortise Lock (latch bolt and dead bolt active), Surface bolts inactive, Rim Exit, Surface Vertical Rod	N/A	Glasslam Laminated Glass; 707 or 747 panels	Yes	FL11537
+/-60	Door (Component)	3'0" x 8'0"	Concealed Vertical Rod, Mortise Lock (latch bolt and dead bolt), Rim Exit, Surface Vertical Rod	707, 727 or 747	Up to FG (24 x 66) Up to FL (24 x 78)	Yes	FL11537
+/-60	Frame With/Without Transom (Component)	Frame 3'0" x 8'0" or Transom Frame	Concealed Vertical Rod, Mortise Lock (latch bolt and dead bolt), Rim Exit, Surface Vertical Rod	N/A	Glasslam Laminated Glass; 707 or 747 panels	Yes	FL11537
+/-60	Door (Component)	3'0" x 7'0"	Concealed Vertical Rod, Rim Exit, Surface Vertical Rod, Mortise Exit	607, 707, 727 or 747	Up to FG (24 x 66) Up to FL(24 x 78)	Yes	FL11537
						Yes	FL6351
+/-60	Door (Component)	3'0" x 7'0"	Mortise lock Cylindrical lock Interconnected Lock	607, 707, 727 or 747	Up to FG (24 x 66) Up to FL (24 x 78)	Yes	FL11537
						Yes	FL6351
+/-60	Door (Component)	6'0" x 7'0"	Rim Exit	607, 707, 727 or 747	Up to FG	Yes	FL11537
+/-60	Frame (Component) ReadySet	3'0" x 7'0"	Cylindrical lock Mortise Lock	N/A	N/A	Yes	FL11537
						Yes	FL6351
+/-60	Frame (Component)	3'0" x 7'0"	Cylindrical lock, Mortise Lock	N/A	N/A	Yes	FL11537
						Yes	FL6351
+/-60	Frame (Component) Max Door Size: 3'0" x 7'0"	Sidelight: 4'0" x 7'0"	Concealed Vertical Rod, Cylindrical lock Mortise Lock, Rim Exit, Surface Vertical Rod Interconnected Lock	N/A	Glasslam Laminated Glass; 707 or 747 panels	Yes	FL9004
						Yes	FL6351
+/-60	Frame (Component)	Transom: 3'0" x 10'2"	Concealed Vertical Rod, Cylindrical lock Mortise Lock, Rim Exit, Surface Vertical Rod Interconnected Lock	N/A	Glasslam Laminated Glass; 707 or 747 panels	Yes	FL11537
						Yes	FL6351
+/-60	Store Front	Frame: 10'0" height	N/A	N/A	Glasslam Laminated Glass 707 or 747 panels	Yes	
						Yes	FL9004
+/-57.2	Door and Frame Assembly	4'0" x 7'0"	Sargent HC8800	747	F	Yes	FL8394
+/-50	Door and Frame Assembly	8'0" x 8'0"	Sargent 10 line or 6500 Series with 480 deadbolt, 988 surface bolts both leafs	707	FGL up to 32" x 74"	Yes	FL8394
+/-50	Door Component	3'0" x 7'0"	Mortise Lock, Cylindrical Lock and Rim Exit	607 or 707	F	Yes	FL11537
+/-50	Frame Component	3'0" x 7'0"	Mortise Lock, Cylindrical Lock and Rim Exit	607 or 707	N/A	Yes	FL11537

NOTE: Doors, frame, and hardware certified to: TAS 201, 202, 203, ASTM E330, E1886, E1996, ANSI A250.13 except where noted.

1) Products approved for use inside and outside high velocity Hurricane Zone (HVHZ). See Hurricane-Resistant Guide on website. www.curries.com

CURRIES Products That Meet FEMA 361 FEMA 320, and ICC 500 Guidelines

Windstorm Certified Products Technical Data

January, 2018

ICC 500-2014

Static Test Pressure	Static Design Pressure	Impact	Product	Maximum Size of Opening	Hardware	Door	Face Type	Certification Agency
+/- 302	+/- 252	15 lb 2 x 4 @ 100 mph	StormPro Door and Frame Assembly	3'0" x 7'0" to 4'0" x 8'0" Single or 6'0" x 7'0" to 8'0" Pair	FE 6600 Multi-Point Lock (Corbin FE 6600, Sargent FM 7300) Active or single 988CR, 988, inactive	StormPro 361	F	UL
3070 to 6070 + 284 3070 to 6070 - 270	+ 340 - 225	15 lb 2 x 4 @ 100 mph	StormPro Door and Frame Assembly	3'0" x 7'0" to 4'0" x 8'0" single or 6'0" x 7'0" to 8'0" x 8'0" Pair	Sargent FM8700	StormPro 361	F	UL
+/- 340	+/- 284	15 lb 2 x 4 @ 100 mph	Door and Frame Shutter Assembly	2'6" x 3'0" to 4'0" x 6'8" Single or 5'0" x 4'0" to 8'0" x 6'8"	Corbin Russwin FE 6700, Sargent FM 6100	StormPro 361 Shutter	F	UL
+/- 340	+/- 284	15 lb 2 x 4 @ 100 mph	StormPro Door and Frame Assembly	3'0" x 7'0" to 4'0" x 8'0" Single or 6'0" x 7'0" to 8'0" x 8'0" Pair	Multi Point Exit Corbin Russwin FE5400S Corbin 707S or 708A Mullion Required for Pairs	StormPro 361	F	UL
+/- 305	+/- 254	15 lb 2 x 4 @ 100 mph	StormPro Door and Frame Assembly	2'8" x 6'8" to 3'0" x 7'0"	SARGENT 10 Line 3 Medeco Maxim Dead Bolts	StormPro 320	F or FV	UL

July, 2017

Fire Rated Impact Glazing

Design Pressure	Product	Maximum Size of Opening	Hardware	Door	Face Type or Frame Glazing	Certification Agency	Dade County Acceptance Number	Florida Building Commission Approval Number
+/-70	Frame w/wo Transom (Component)	3'0" x 8'0" single 6'0" x 8'0" pair Maximum frame size in masonry 13'6" x 8'0" 12'0" x 8'0" in stud walls	Concealed Vertical Rod, Mortise Lock (latch bolt & dead bolt active: Surface bolts inactive), Rim Exit, Surface Vertical Rod	N/A	Vetrotech Fire/Hurricane Impact Rated Glass	WHI	None	FL12537
+/-70	Window Frame	Maximum 13'6" x 8'0" in masonry 12'0" x 8'0" in stud walls	Concealed Vertical Rod, Mortise Lock (latch bolt & dead bolt active: Surface bolts inactive), Rim Exit, Surface Vertical Rod	N/A	Vetrotech Fire/Hurricane Impact Rated Glass	WHI	None	FL12537

NOTE: 70 psf transom sidelight frame may be fire rated up to and including 90 minutes. Use Vetrotech SGG Swissflam 45 IGU HI for 45 minute rated frames. Vetrotech SGG Contraflam 60 IGU HI for 60 minutes rated frames, and Vetrotech SGG Contraflam 90 IGU HI for 90 minute rated frames.

Doors rated at 70 psf and less may be fire rated up to and including 90 minutes using Vetrotech SGG Keralite FR-Ultra IGU HI. Maximum size 23" x 53"

DESIGN PRESSURE +/- 70 psf IMPACT MISSILE LEVEL - D 90 MINUTE MAXIMUM RATING CLEAR GLASS ONLY			
MAXIMUM FRAME SIZES			
MASONRY	MAXIMUM OVERALL TRANSOM FRAME SIZE		
	MASONRY	13'6" WIDTH	100" HEIGHT
	STUD CONSTRUCTION	12'0" WIDTH	100" HEIGHT
	MAXIMUM OVERALL SIDELIGHT FRAME SIZE		
	MASONRY	13'6" WIDTH	100" HEIGHT
	STUD CONSTRUCTION	12'0" WIDTH	100" HEIGHT
	MAXIMUM SINGLE OUT-SWING DOOR SIZE	36" WIDTH	96" HEIGHT
	MAXIMUM SINGLE IN-SWING DOOR SIZE	36" WIDTH	84" HEIGHT
	MAXIMUM PAIR OF OUT-SWING DOORS SIZE	72" WIDTH	96" HEIGHT
	MAXIMUM SIDE LIGHT OR PANEL OPENING SIZE	36" WIDTH	94" HEIGHT
	MAXIMUM VISIBLE LIGHT - 45/60 MINUTE	34-3/4" WIDTH	92-3/4" HEIGHT
	MAXIMUM VISIBLE LIGHT - 90 MINUTE	34-3/4" WIDTH	88-9/16" HEIGHT
	MAXIMUM TRANSOM LIGHT OR PANEL OPENING	72" WIDTH	14" HEIGHT
MAXIMUM VISIBLE LIGHT	70-3/4" WIDTH	30" HEIGHT	
WALL CONSTRUCTION BUILDING STRUCTURE	ALLOWED IN MASONRY, STEEL STUD, WOOD STUD, WALLS, OR STEEL		
FRAME CONSTRUCTION	16 GAUGE STEEL FRAME WITH REINFORCEMENTS AND WELDED CORNER CONSTRUCTION		
FRAME DIMENSIONS	JAMB AND MULLION DEPTH – MINIMUM - 5-3/4" - MAXIMUM - 14" JAMB FACES - 2" HEAD AND MULLION FACES - MINIMUM - 2" - MAXIMUM – 4" SOFFIT – MINIMUM - 1" RABBET (DOOR SIDE) – MINIMUM – 1-15/16" 1-5/16" THICKNESS - 45 MINUTE RATED GLASS - RECOMMEND 2-1/8" (2.125) RABBET 1-9/16" THICKNESS - 60 MINUTE RATED GLASS - RECOMMEND 2-3/8" (2.375) RABBET 1-7/8" THICKNESS - 90 MINUTE RATED GLASS - RECOMMEND 2-11/16" (2.6875) RABBET STOP HEIGHT (DOOR STOP AND GLAZING) MINIMUM – 5/8"		
REMOVABLE STOPS	MATERIAL – COLD ROLLED, GALVANIZED, GALVANNEALED, OR STAINLESS STEEL 18 GAUGE STEEL STOP DEPTH – MINIMUM 5/8" FASTENERS - #8x 1-1/2" OVAL HEAD TEK SCREWS. LOCATED 2" FROM END AND 12" ON CENTER MAXIMUM		
ANCHORS	MASONRY "T", PIPE SPACER, WIRE ANCHOR, WELDED EWA, WOOD STUD, OR STEEL STUD ANCHORS		
DOOR	HURRICANE-RESISTANT LISTED AND FIRE RATED 707, 727, OR 747 MAXIMUM VISIBLE LIGHT IN DOOR 23" WIDTH, 53" HEIGHT TYPE 8 WINDOW KIT ONLY, 1-5/8" POCKET		
HARDWARE RESTRICTIONS	HARDWARE RESTRICTED TO WINDSTORM LISTED PRODUCTS		

October, 2012

**DESIGN PRESSURE +/- 70 PSF
IMPACT MISSILE LEVEL - D 350 FT/LBS
NON FIRE RATED**

LOUVER NOTES:

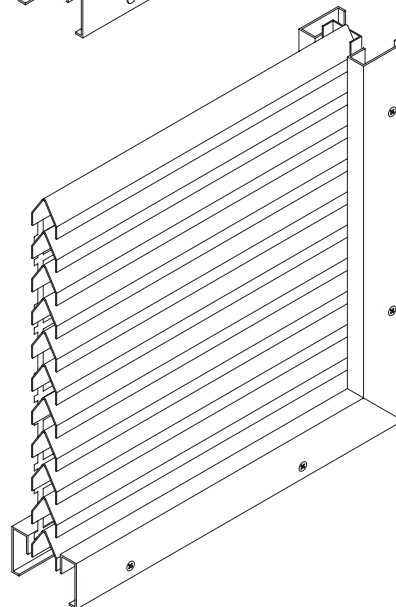
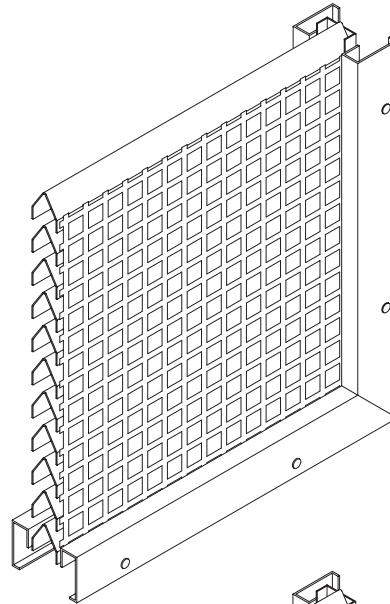
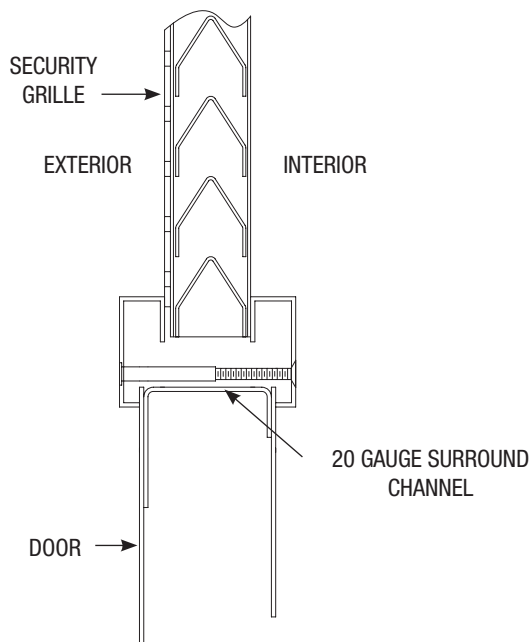
- CAN ONLY BE USED IN CURRIES 707 OR 747 DOOR CONSTRUCTION.
- ONLY CURRIES WL60 LOUVER CAN BE USED.
- LOUVER INCLUDES GALVANIZED MATERIAL AND SECURITY SCREEN.
- 20 GAUGE SURROUND CHANNEL MUST BE INSTALL ON PERIMETER OF LOUVER CUTOUT.
- MUST BE FACTORY INSTALL OR BY A UL OR WARNOCK WINDSTORM SECOND LOCATION.
- CAN BE USED WITH ANY HURRICANE-RESISTANT APPROVED HARDWARE.
- A 6" MINIMUM DIMENSION FORM STILE OR RAIL IS REQUIRED.
- BUG SCREEN IS OPTIONAL.
- FREE AIR FLOW = 40%

SIZES:

3070 DOOR – 12" MINIMUM, 24" MAXIMUM WIDTH
12" MINIMUM, 72" MAXIMUM HEIGHT

3080 DOOR – 12" MINIMUM, 24" MAXIMUM WIDTH
12" MINIMUM, 78" MAXIMUM HEIGHT

4080 DOOR – 12" MINIMUM, 34" MAXIMUM WIDTH
12" MINIMUM, 78" MAXIMUM HEIGHT

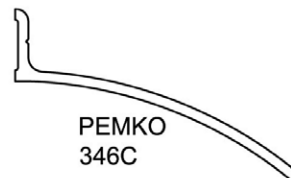
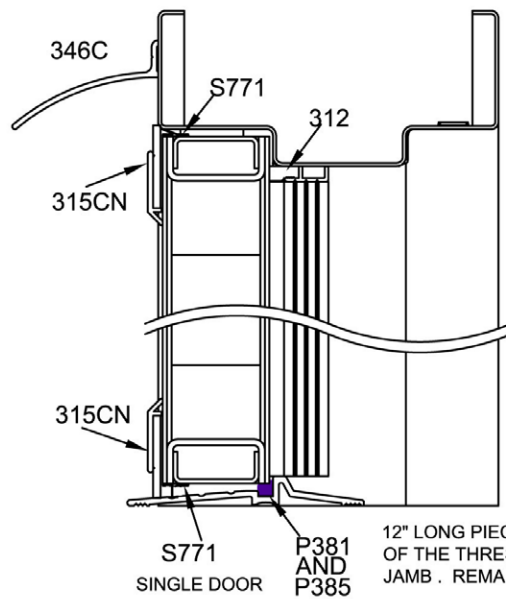
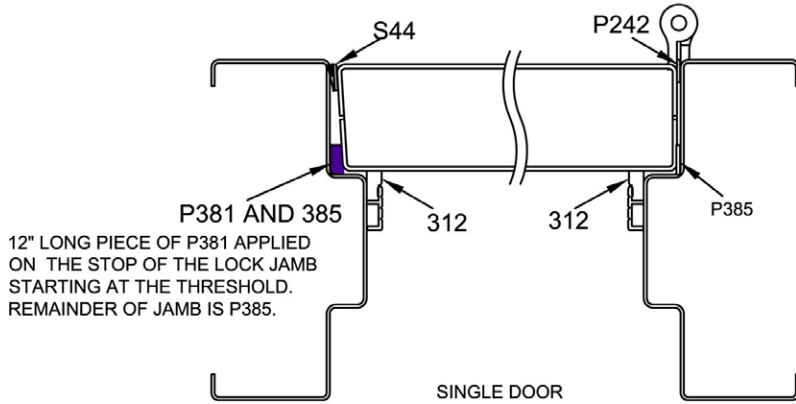




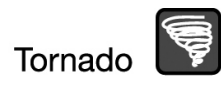
Weather Strip for Water Infiltration Single Door Per ASTM 331/TAS 202 Design Pressure 50 PSF

Windstorm Certified Products Technical Data

January, 2018

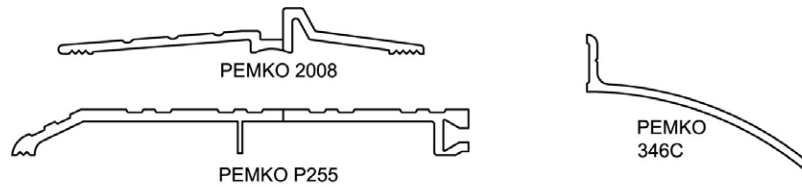
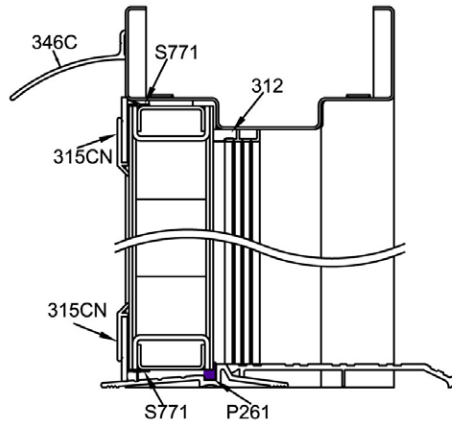
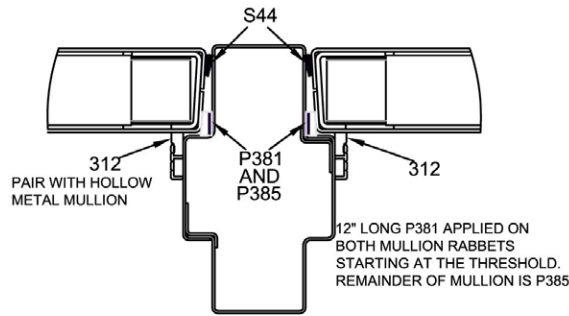
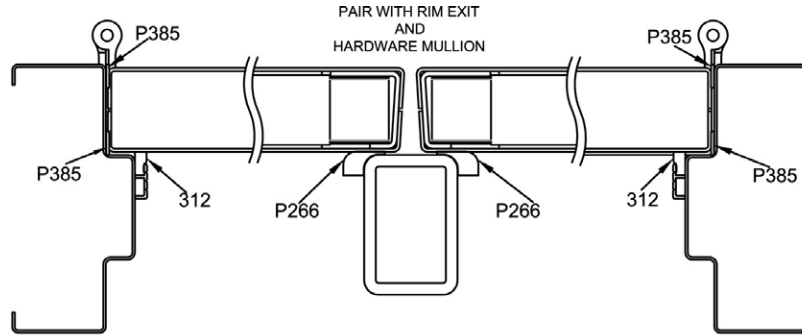


Weather Strip for Water Infiltration Single Door Per ASTM 331/TAS 202 Design Pressure 60 PSF



Windstorm Certified Products Technical Data

November, 2016

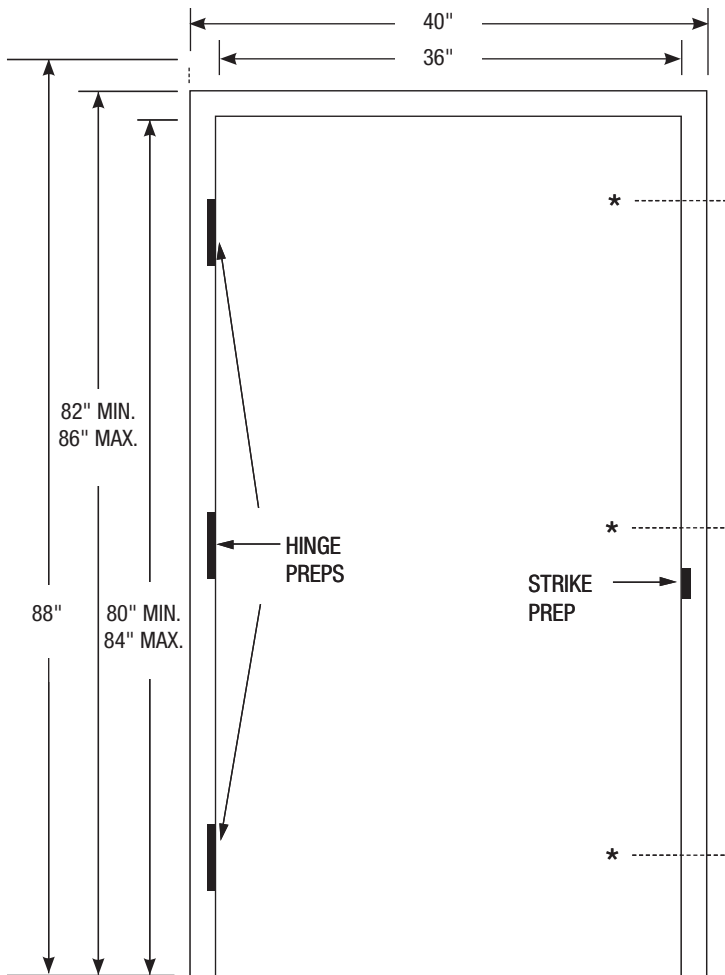




MEETS ICC 500-2014

**STORMPRO 320 DOOR AND FRAME ASSEMBLY
 STATIC TEST PRESSURE +/- 305 PSF
 STATIC DESIGN PRESSURE +/- 252 PSF**

- MEETS REQUIREMENTS OF ICC500-2014 AND FEMA P320/P361
- SINGLE OPENING 2'8" X 6'8" TO 3'0" X 7'0" ONLY
- MASONRY PROFILE 14 GAUGE STEEL
- KD OR SEAM WELDED CORNERS
- JAMB DEPTHS 4" THROUGH 14"
- 4" FACE HEAD OPTION



HARDWARE SUPPLIED WITH THE DOOR

1-1/2 PR. 4-1/2" X 4-1/2" X .180" MCKINNEY HEAVY WEIGHT SP3786
 26D FINISH HINGES

- (1) SARGENT 10 LINE LOCK 26D FINISH
- (3) MEDECO MAXUM DEADBOLTS 26D FINISH KEYED ALIKE
- (3) SARGENT 78-0034 STRIKES FOR MEDECO DEAD BOLTS

3/8" X 6" POWERS LOCK BOLT AS PROVIDED WHEN WELD PIPE
 SPACER ANCHORS ARE ORDERED.



January, 2018

**MEETS ICC 500-2014**

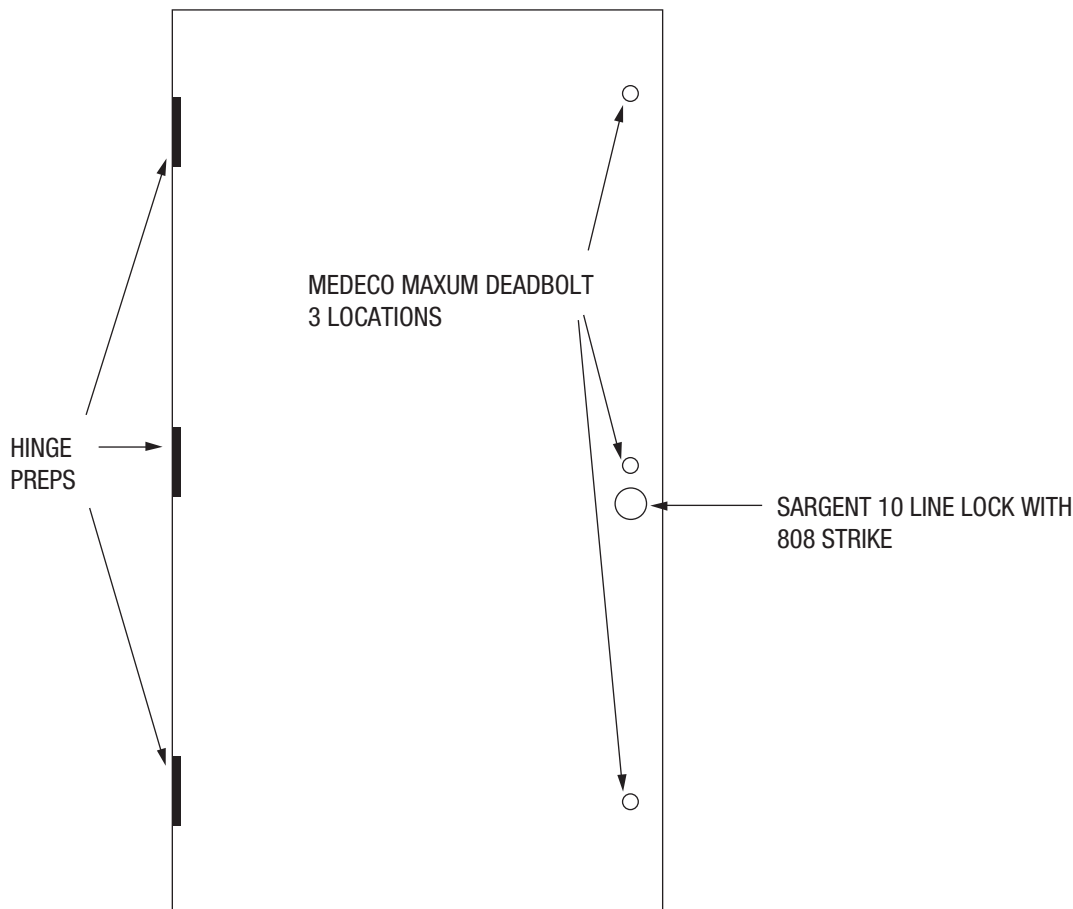
STORMPRO 320 DOOR AND FRAME ASSEMBLY
STATIC TEST PRESSURE +/- 305 PSF
STATIC DESIGN PRESSURE +/- 252 PSF

- MEETS REQUIREMENTS OF ICC500-2014 AND FEMA P320/P361
- FLUSH DOORS, HANDED "A" BEVEL
- SINGLE OPENING 2'8" X 6'8" TO 3'0" X 7'0" ONLY
- 747 SERIES 14 GAUGE STEEL
- T WELDED SEAMLESS EDGES
- WELDED FLUSH TOP CAP

HARDWARE SUPPLIED WITH THE DOOR

1-1/2 PR. 4-1/2" X 4-1/2" X .180" MCKINNEY HEAVY WEIGHT SP3786 26D FINISH HINGES

- (1) SARGENT 10 LINE CYLINDRICAL LOCK 26D FINISH
- (3) MEDECO MAXUM DEADBOLTS 26D FINISH KEYED ALIKE
- (3) SARGENT 78-0034 STRIKES FOR MEDECO DEAD BOLTS



**MEETS ICC 500-2014**

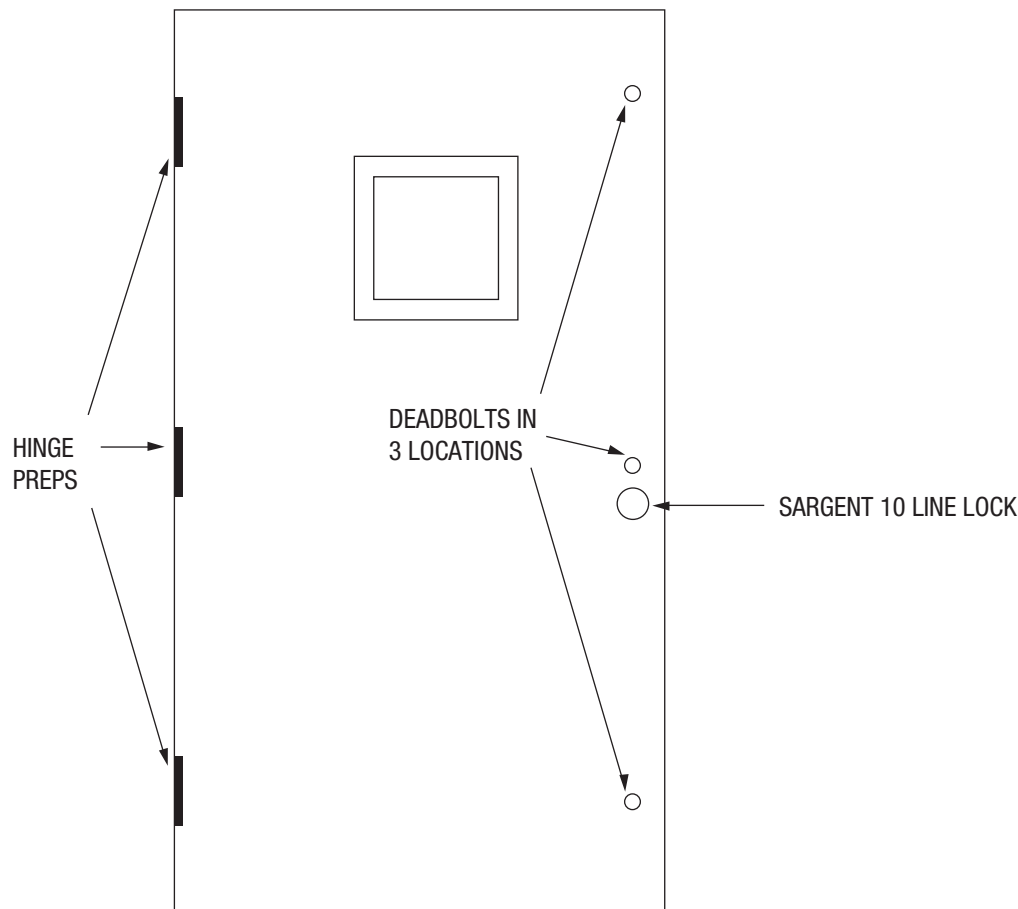
STORMPRO 320 DOOR AND FRAME ASSEMBLY
STATIC TEST PRESSURE +/- 305 PSF
STATIC DESIGN PRESSURE +/- 252 PSF

- MEETS REQUIREMENTS OF ICC500-2014 AND FEMA P320/P361
- 10" X 10" FV ONLY
- HANDED "A" BEVEL
- SINGLE OPENING 2'8" X 6'8" TO 3'0" X 7'0" ONLY
- 747 SERIES 14 GAUGE STEEL
- T WELDED SEAMLESS EDGES
- WELDED FLUSH TOP CAP

HARDWARE SUPPLIED WITH THE DOOR

1-1/2 PR. 4-1/2" X 4-1/2" X .180" MCKINNEY HEAVY WEIGHT SP3786 26D FINISH HINGES

- (1) SARGENT 10 LINE LOCK 26D FINISH
- (3) MEDECO MAXUM DEADBOLTS 26D FINISH KEYED ALIKE
- (3) SARGENT 78-0034 STRIKES FOR MEDECO DEAD BOLTS



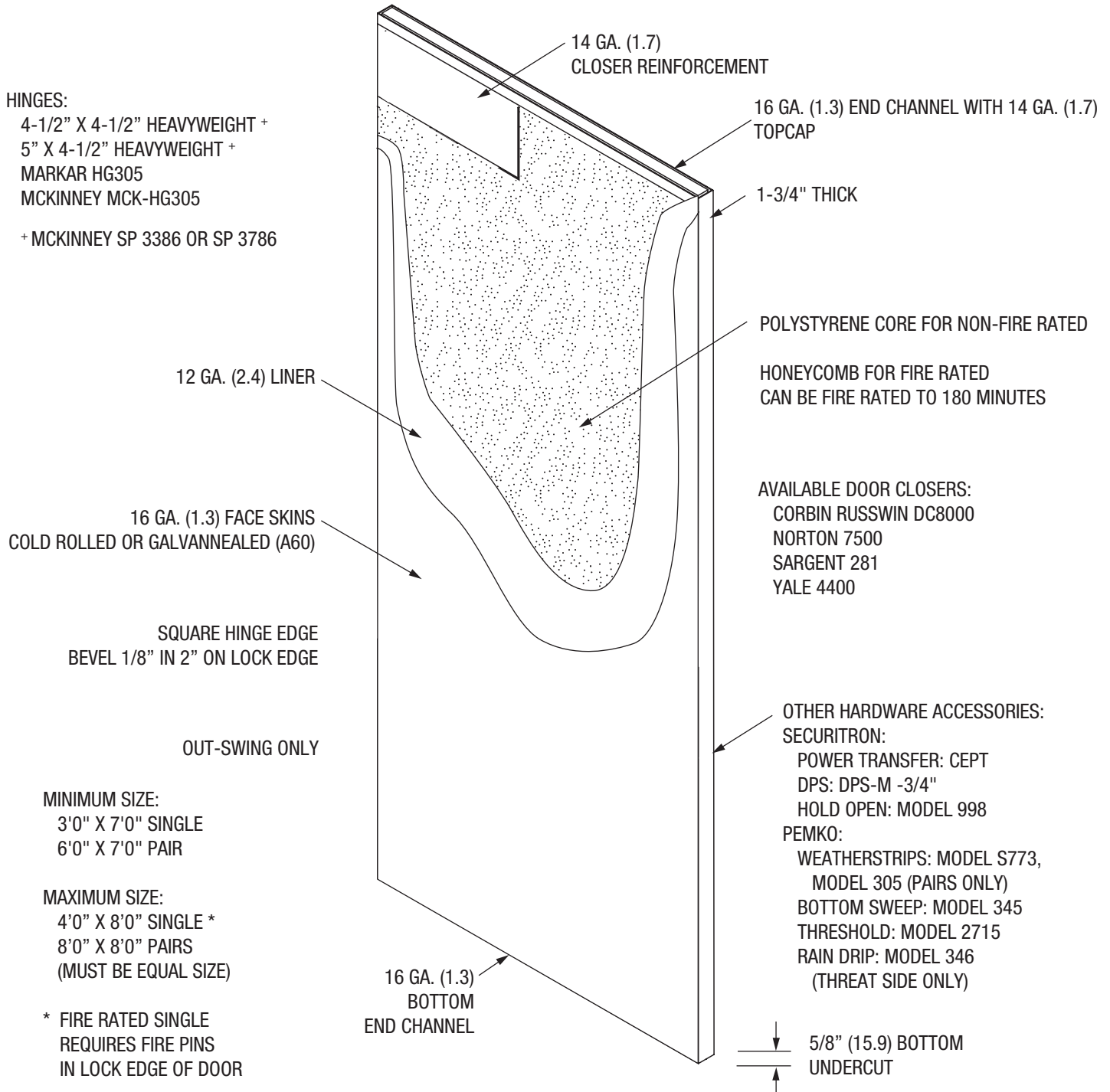
August, 2017



SARGENT FM8700
ONLY AVAILABLE WITH CURRIES HINGE LOCATIONS

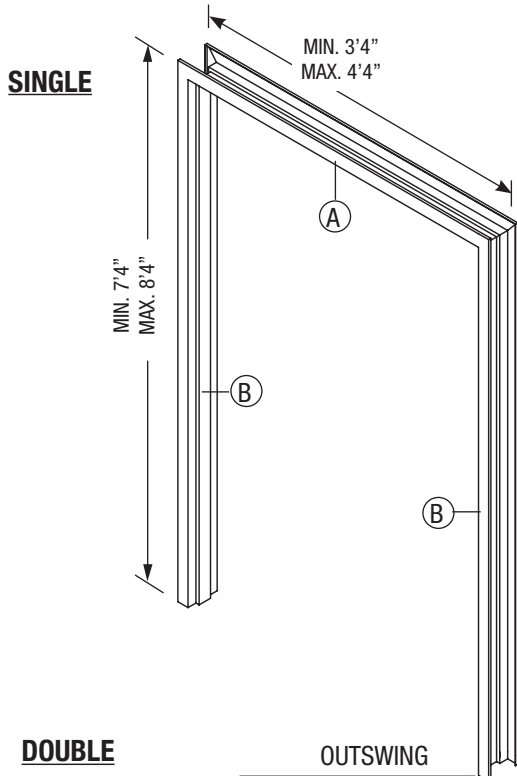
STORMPRO 361 DOOR AND FRAME ASSEMBLY

STATIC TEST PRESSURE (3'0" X 7'0" SINGLE, 6'0" X 7'0" PAIR +/-340 PSF; > 3'0" X 7'0" SINGLE, 6'0" X 7'0" PAIR +269, -270 PSF)
STATIC DESIGN PRESSURE (3'0" X 7'0" SINGLE, 6'0" X 7'0" PAIR +/-284 PSF; > 3'0" X 7'0" SINGLE, 6'0" X 7'0" PAIR +246, -225 PSF)
FOR USE WITH SARGENT FM8700 SURFACE VERTICAL ROD EXIT DEVICE WITHOUT MULLION
MEETS FEMA P361 (MARCH 2015) AND ICC 500-2014 STANDARD



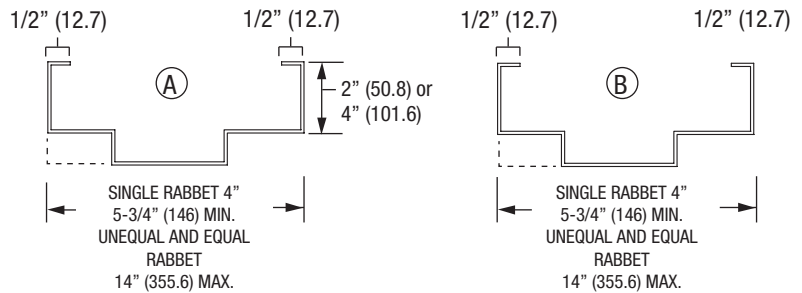
SARGENT FM8700

ONLY AVAILABLE WITH CURRIES HINGE LOCATIONS



STORMPRO 361 DOOR AND FRAME ASSEMBLY
STATIC TEST PRESSURE (3'0" X 7'0" SINGLE, 6'0" X 7'0" PAIR +/-340 PSF;
> 3'0" X 7'0" SINGLE, 6'0" X 7'0" PAIR +269, -270 PSF)
STATIC DESIGN PRESSURE (3'0" X 7'0" SINGLE, 6'0" X 7'0" PAIR +/-284 PSF;
> 3'0" X 7'0" SINGLE, 6'0" X 7'0" PAIR +246, -225 PSF)

FOR USE WITH THE SARGENT FM8700 SURFACE VERTICAL ROD EXIT DEVICE
MEETS FEMA P361 (MARCH 2015) AND ICC 500-2014 STANDARD



FRAMES ARE 14 GAUGE (1.9) A60, KD OR FACE
 WELDED CORNER CONSTRUCTION

HINGES:
 4-1/2" X 4-1/2" HEAVYWEIGHT +
 5" X 4-1/2" HEAVYWEIGHT +
 MARKAR HG305
 MCKINNEY MCK-305
 + MCKINNEY SP 3386 OR SP 3786

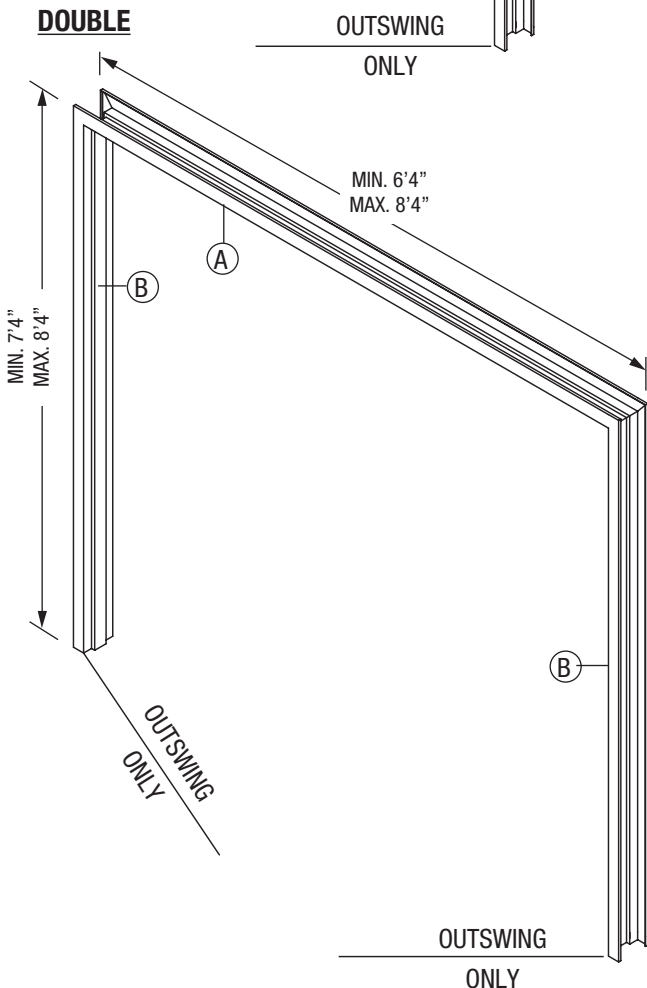
CAN BE FIRE RATED UP TO 180 MINUTES

JAMB ANCHOR OPTIONS:
 MASONRY - "T" ANCHORS
 MASONRY - WIRE ANCHORS
 WELDED EXISTING OPENING PREPS WITH BOLTS

WELDED WPS OR WEMA ANCHORS.
 WPS AND WEMA ANCHORS MUST BE WELDED AT THE FACTORY.
 MASONRY EXPANSION SHELL ANCHOR BOLT INCLUDED WHEN WPS
 OR WEMA ANCHORS ARE ORDERED.

FRAMES MUST BE INSTALLED AND ANCHORED PER SUBMITTAL PAGES.
 WALLS CONSTRUCTED AS DESCRIBED IN FEMA P361 (DESIGN AND
 CONSTRUCTION GUIDANCE FOR COMMUNITY SAFE ROOMS).

HARDWARE MULLION NOT AVAILABLE.



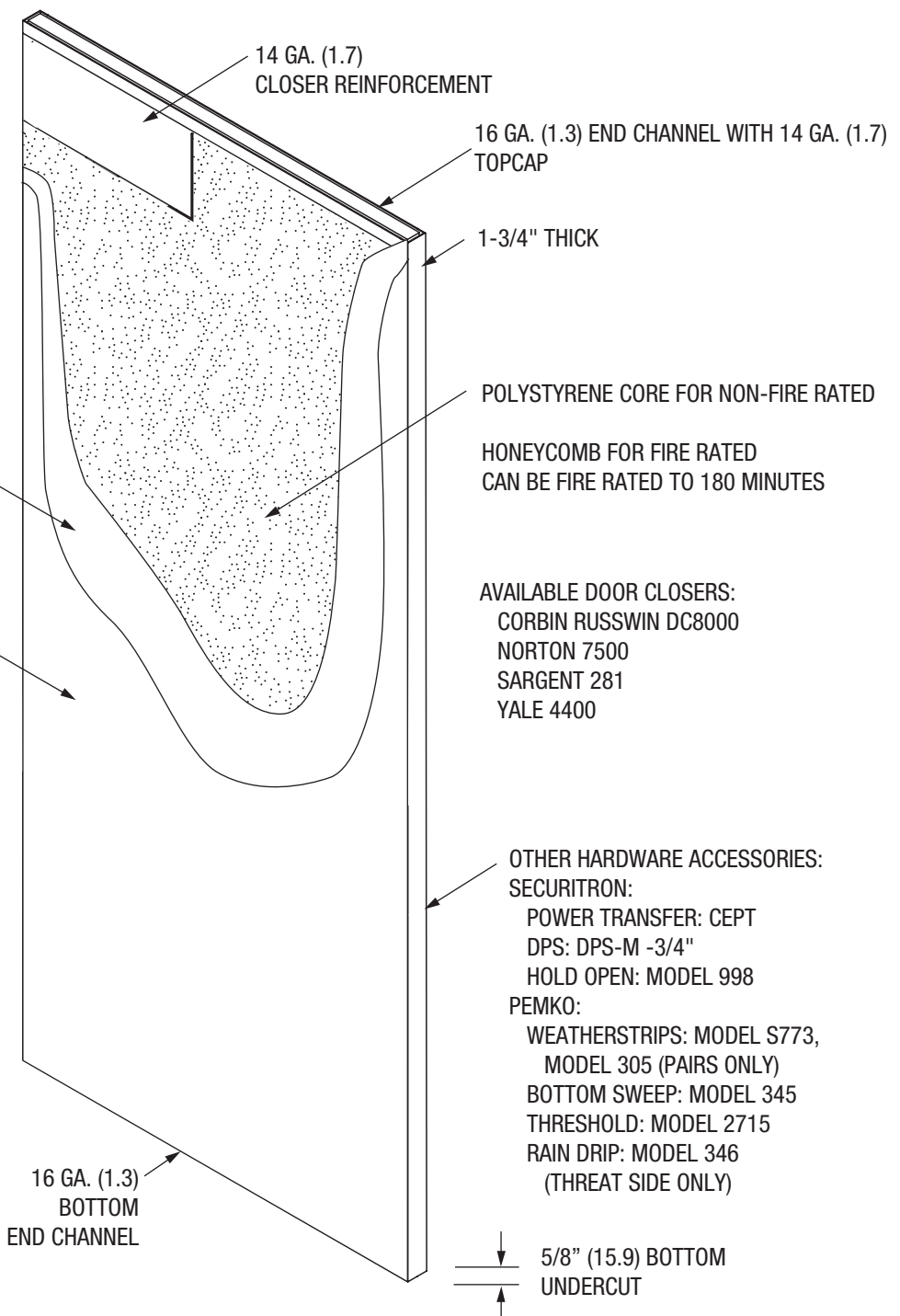
August, 2017

**CORBIN RUSSWIN FE5400S
ONLY AVAILABLE WITH CURRIES HINGE LOCATIONS**



**STORMPRO 361 DOOR AND FRAME ASSEMBLY
STATIC TEST PRESSURE (+/-340 PSF)
STATIC DESIGN PRESSURE (+/-284)
FOR USE WITH CORBIN RUSSWIN FE5400S MULTI POINT EXIT WITH MULLION
MEETS FEMA P361 (MARCH 2015) AND ICC 500-2014 STANDARD**

HINGES:
4-1/2" X 4-1/2" HEAVYWEIGHT +
5" X 4-1/2" HEAVYWEIGHT +
MARKAR HG305
MCKINNEY MCK-HG305
+ MCKINNEY SP 3386 OR SP 3786



AVAILABLE DOOR CLOSERS:
CORBIN RUSSWIN DC8000
NORTON 7500
SARGENT 281
YALE 4400

OTHER HARDWARE ACCESSORIES:
SECURITRON:
POWER TRANSFER: CEPT
DPS: DPS-M -3/4"
HOLD OPEN: MODEL 998
PEMKO:
WEATHERSTRIPS: MODEL S773,
MODEL 305 (PAIRS ONLY)
BOTTOM SWEEP: MODEL 345
THRESHOLD: MODEL 2715
RAIN DRIP: MODEL 346
(THREAT SIDE ONLY)

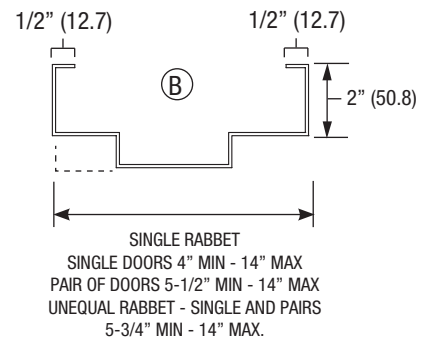
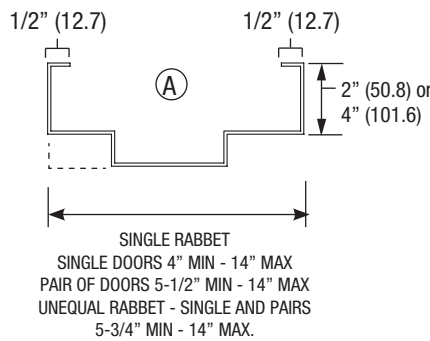
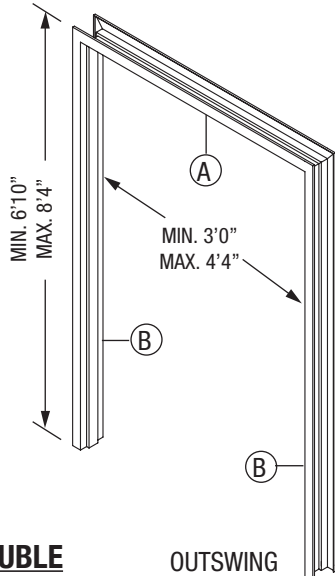
MINIMUM SIZE:
3'0" X 7'0" SINGLE
6'0" X 7'0" PAIR

MAXIMUM SIZE:
4'0" X 8'0" SINGLE *
8'0" X 8'0" PAIRS
(MUST BE EQUAL SIZE)

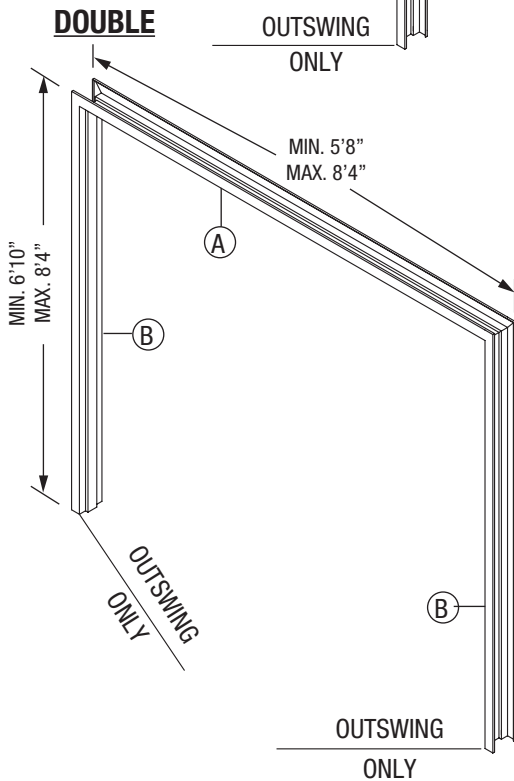
**CORBIN RUSSWIN FE55400S
ONLY AVAILABLE WITH CURRIES HINGE LOCATIONS**

STORMPRO 361 DOOR AND FRAME ASSEMBLY
STATIC TEST PRESSURE (+/- 340 PSF)
STATIC DESIGN PRESSURE (+/- 284 PSF)
FOR USE WITH THE CORBIN RUSSWIN FE 5400S MULTI-POINT EXIT DEVICE
PAIRS REQUIRE USE OF CORBIN RUSSWIN FE707A OR 708A MULLION
MEETS FEMA P361 (MARCH 2015) AND ICC 500-2014 STANDARD

SINGLE



DOUBLE



FRAMES ARE 14 GAUGE (1.9) A60, KD OR FACE WELDED CORNER CONSTRUCTION

HINGES:

- 4-1/2" X 4-1/2" HEAVYWEIGHT +
- 5" X 4-1/2" HEAVYWEIGHT +
- MARKAR HG305
- MCKINNEY MCK-305

+ STAINLESS HINGE OR STAINLESS SCREWS (MCKINNEY SP 3386 OR SP 3786)

CAN BE FIRE RATED UP TO 180 MINUTES

JAMB ANCHOR OPTIONS:

- MASONRY - "T" ANCHORS
- MASONRY - WIRE ANCHORS
- WELDED EXISTING OPENING PREPS WITH BOLTS

WELDED WPS OR WEMA ANCHORS.

WPS AND WEMA ANCHORS MUST BE WELDED AT THE FACTORY.
 MASONRY EXPANSION SHELL ANCHOR BOLT INCLUDED WHEN WPS OR WEMA ANCHORS ARE ORDERED.

FRAMES MUST BE INSTALLED AND ANCHORED PER SUBMITTAL PAGES.
 WALLS CONSTRUCTED AS DESCRIBED IN FEMA P361 (DESIGN AND CONSTRUCTION GUIDANCE FOR COMMUNITY SAFE ROOMS).

**+ REQUIRES CORBIN RUSSWIN FE707A
OR FE708A HARDWARE
MULLION ON PAIRS OF DOORS**

January, 2018



**CORBIN RUSSWIN FE6600
SARGENT FM7300
ONLY AVAILABLE WITH CURRIES HINGE LOCATIONS**

**STORMPRO 361 DOOR AND FRAME ASSEMBLY
STATIC TEST PRESSURE (+/- 302 PSF)
STATIC DESIGN PRESSURE (+/- 252 PSF)
CORBIN RUSSWIN FE6600 , SARGENT FM7300
MEETS FEMA P361 (MARCH 2015) AND ICC 500-2014 STANDARD**

HINGES:

- 4-1/2" X 4-1/2" HEAVYWEIGHT +
- 5" X 4-1/2" HEAVYWEIGHT +

+MCKINNEY SP 3386 OR SP 3786

INSWING OR OUTSWING

14 GA. (1.9) FACE SKINS GALVANNEALED

SQUARE HINGE EDGE
BEVEL 1/8" IN 2" ON LOCK EDGE

MINIMUM SIZE:

- 3'0" X 7'0"
- 6'0" X 7'0"

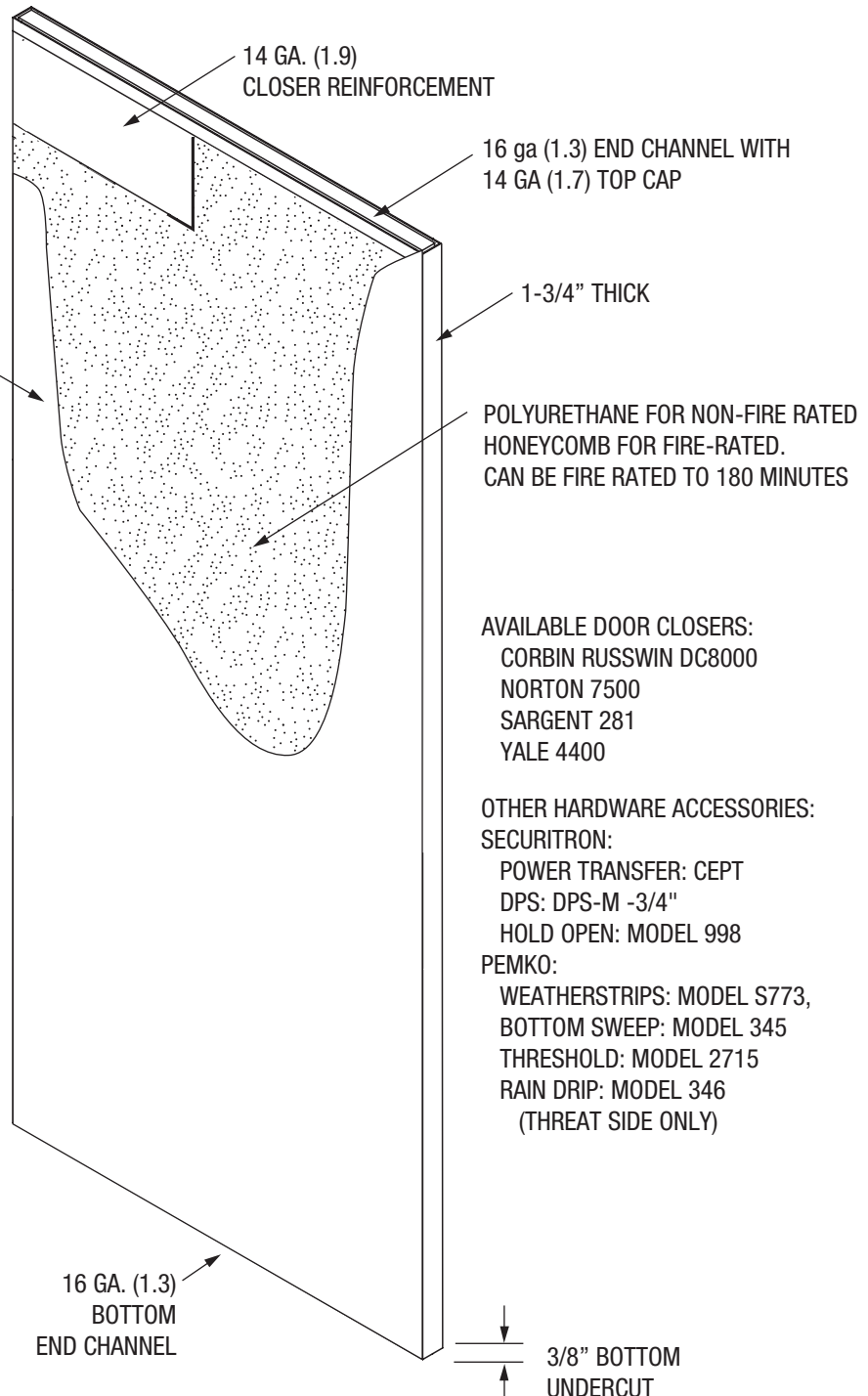
MAXIMUM SIZE:

- 4'0" X 8'0" SINGLE *
- 8'0" X 8'0" PAIRS

* CORBIN RUSSWIN 988CR OR SARGENT 988 SURFACE BOLTS USED ON THE INACTIVE LEAF OF PAIRS OF DOORS. 10 GA. (3.4). ASTRAGAL REQUIRED ON PAIRS OF DOORS.

CORBIN RUSSWIN FE6600 AND SARGENT FM7300 CONCEALED VERTICAL RODS, TOP AND BOTTOM BOLTS, AND MORTISE LOCK BODY CASSETTE MUST BE FACTORY INSTALLED IN A CURRIES STORMPRO DOOR. ALL OTHER HARDWARE COMPONENTS ARE SHIPPED DIRECTLY FROM SARGENT OR CORBIN RUSSWIN AND MUST BE INSTALLED BY A FACTORY TRAINED INSTALLER.

IMPORTANT: DO NOT REMOVE ANY HARDWARE BLOCKING OR FILLER PLATES IN THE DOOR OR THE FRAME UNTIL THE MORTISE LOCK IS READY TO BE INSTALLED.



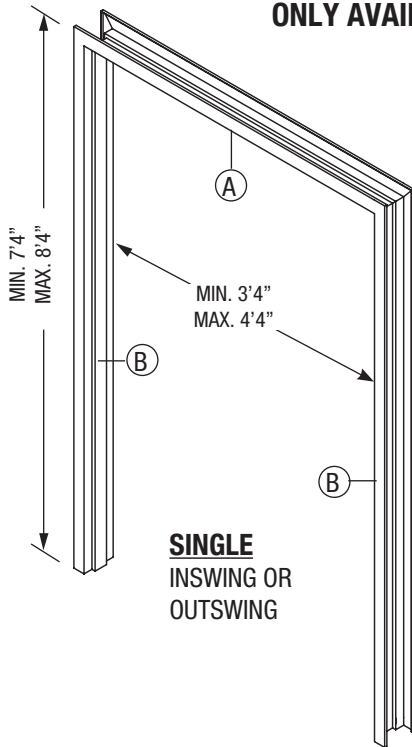
AVAILABLE DOOR CLOSERS:
CORBIN RUSSWIN DC8000
NORTON 7500
SARGENT 281
YALE 4400

OTHER HARDWARE ACCESSORIES:
SECURITRON:
POWER TRANSFER: CEPT
DPS: DPS-M -3/4"
HOLD OPEN: MODEL 998
PEMKO:
WEATHERSTRIPS: MODEL S773,
BOTTOM SWEEP: MODEL 345
THRESHOLD: MODEL 2715
RAIN DRIP: MODEL 346
(THREAT SIDE ONLY)

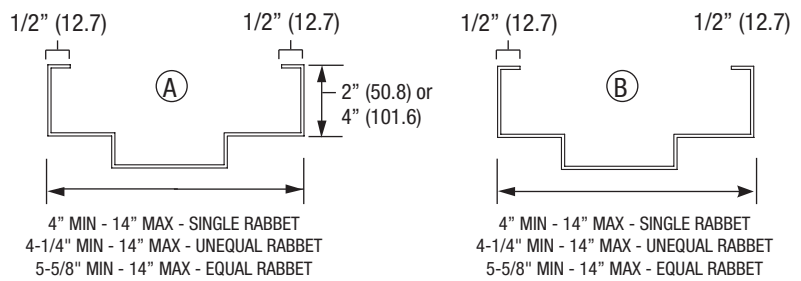
**CORBIN RUSSWIN FE6600
SARGENT FM7300**



ONLY AVAILABLE WITH CURRIES HINGE LOCATIONS



**STORMPRO DOOR AND FRAME ASSEMBLY
STATIC TEST PRESSURE (+/-302 PSF)
STATIC DESIGN PRESSURE (+/-252 PSF)
FOR USE WITH CORBIN RUSSWIN FE6600 OR SARGENT FM7300 MULTI-POINT LOCK
MEETS FEMA P361 (MARCH 2015) AND ICC 500-2014 STANDARD**



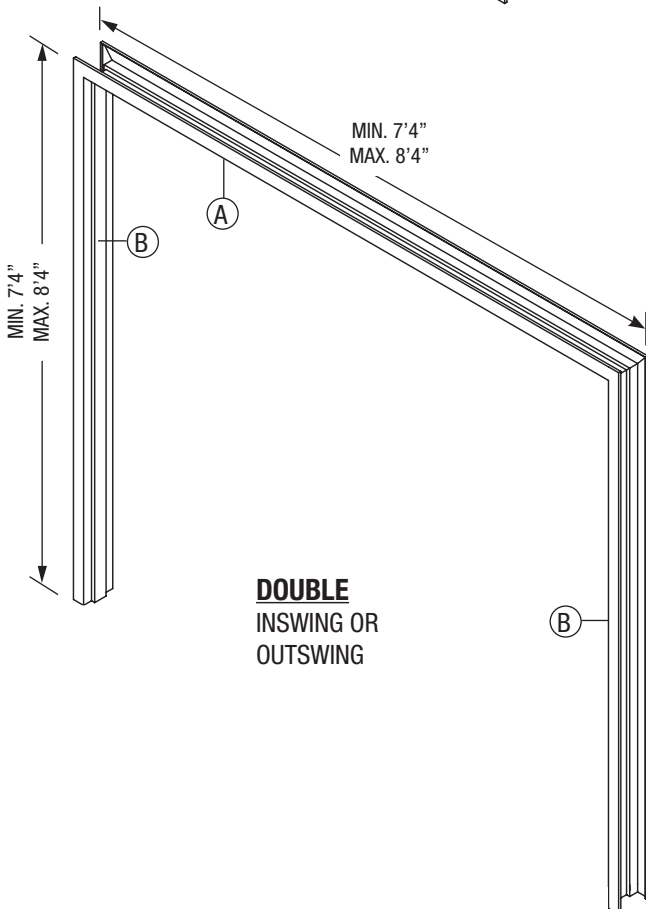
FRAMES ARE 14 GAUGE (1.9) A60, KD OR FACE
WELDED CORNER CONSTRUCTION
FOUR SIDED OPTION AVAILABLE

HINGES:
4-1/2" X 4-1/2" HEAVYWEIGHT +
5" X 4-1/2" HEAVYWEIGHT +
+ MCKINNEY SP 3386 OR SP 3786

CAN BE FIRE RATED UP TO 180 MINUTES

JAMB ANCHOR OPTIONS:
MASONRY - "T" ANCHORS
MASONRY - WIRE ANCHORS
WELDED EXISTING OPENING PREPS WITH BOLTS

WELDED WPS OR WEMA ANCHORS.
WPS AND WEMA ANCHORS MUST BE WELDED AT THE FACTORY.
MASONRY EXPANSION SHELL ANCHOR BOLT INCLUDED WHEN WPS
OR WEMA ANCHORS ARE ORDERED.
FRAMES MUST BE INSTALLED AND ANCHORED PER SUBMITTAL PAGES.
WALLS CONSTRUCTED AS DESCRIBED IN FEMA P361 (DESIGN AND
CONSTRUCTION GUIDANCE FOR COMMUNITY SAFE ROOMS).



CORBIN RUSSWIN FE6600 AND SARGENT FM7300 CONCEALED VERTICAL RODS, TOP AND BOTTOM BOLTS, AND MORTISE LOCK BODY CASSETTE MUST BE FACTORY INSTALLED IN A CURRIES STORMPRO DOOR. ALL OTHER HARDWARE COMPONENTS ARE SHIPPED DIRECTLY FROM SARGENT OR CORBIN RUSSWIN AND MUST BE INSTALLED BY A FACTORY TRAINED INSTALLER.

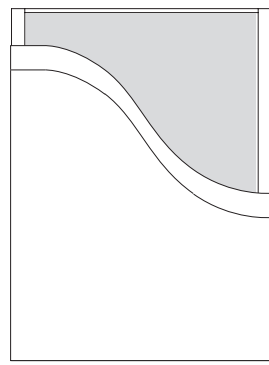
IMPORTANT: DO NOT REMOVE ANY HARDWARE BLOCKING OR FILLER PLATES IN THE DOOR OR THE FRAME UNTIL THE MORTISE LOCK IS READY TO BE INSTALLED.

January, 2018

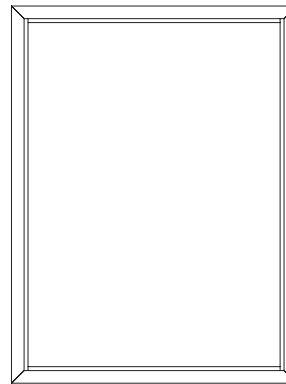


**CORBIN RUSSWIN FE6700
SARGENT FM6100
ONLY AVAILABLE WITH SDI HINGE LOCATIONS**

**StormPro Window Shutter
Door and Frame Assembly
UL Certified Single Shutter - may be fire rated
Static test pressure (+/- 340 PSF)
Static design pressure (+/- 284 PSF)
100 mph impact with 15 lb 2" x 4"
Meets FEMA P361 (March 2015) and ICC 500-2014 standard**



INSWING OR
OUT SWING

**DOOR**

- 14 ga. A60 (RK) skins
- Optional Cold Rolled Skins (CRS)
- Flush only
- Single: 2'6" x 3'0" min. to 4'0" x 6'8" max.
- Pair: 5'0" x 4'0" min. to 8'0" x 6'8"
- Continuous weld edge
- 1/4" undercut required
- 14 ga. end channel
- 18 ga. end cap

HARDWARE

- Corbin Russwin FE 6700, SARGENT FM6100, concealed multi-point lock*
- McKinney MCK-HG305 and MCK-HG305WT10 Continuous Hinge
- Markar HG305 and HG305WT10 Continuous Hinge
- McKinney SP3386 Butt Hinges 4-1/2" x 4-1/2" including wide throw option
- McKinney SP3786 Butt Hinges 4-1/2" x 4-1/2" including wide throw option

OPTIONAL HARDWARE:

- HES CEPT Power Transfer
- Securitron DPS-M 3/4" Diameter Position Switch
- Pemko S773 weather-strip, 345 Bottom sweep; 346 Rain Drip (Sweep and Rain Drip on impact side only)
- Sargent 281, Corbin Russwin DC8000, Norton 7500, Yale 4400 Closers
- Rixson 988 Electromagnetic Holder
- Rockwood 491S or 494S Mechanical Holder
- Rockwood 620 and 622 Viewer

* Lock located at centerline of frame opening height.

FRAME

- 14 ga. A60 (RK) masonry
- Optional Cold Rolled Steel (CRS)
- 4" - 14" jamb depth minimum 2" face required
- Factory welded construction required
- Jamb anchor options:
 - Masonry "T" anchors
 - Masonry wire anchors
 - WPS or WEMA
- WPS or WEMA anchors must be welded at the factory. Masonry expansion shell anchor bolts included when WPS or WEMA anchors are ordered
- Window option on opposite door rabbet
- Optional 3 sided frame