



We create chemistry

20 MINUTE SINGLE DOOR / 20 MINUTE STANDARD PAIR

PALUSOL SW CORE CONSTRUCTION
SINGLE OR MULTI PANEL CONFIGURATIONS WITH
FLAT OR RAISED PANELS

DATE: SEPTEMBER 2016

VERSION 01

PAGE BASF_20_DOOR_01

DOOR SIZES (MAXIMUM):

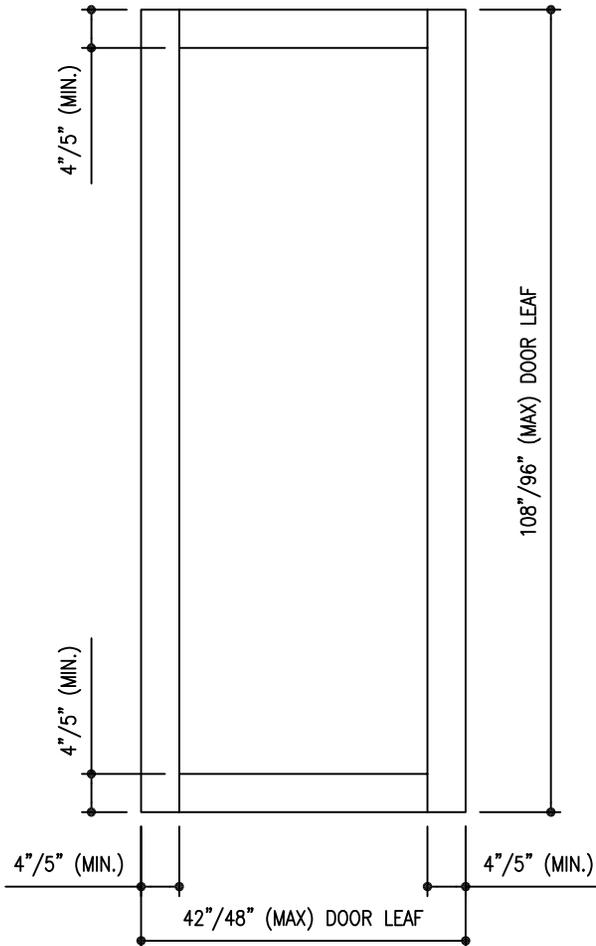
SINGLE: 42" x 108" OR 48" x 96"

PAIR: 96" x 96"

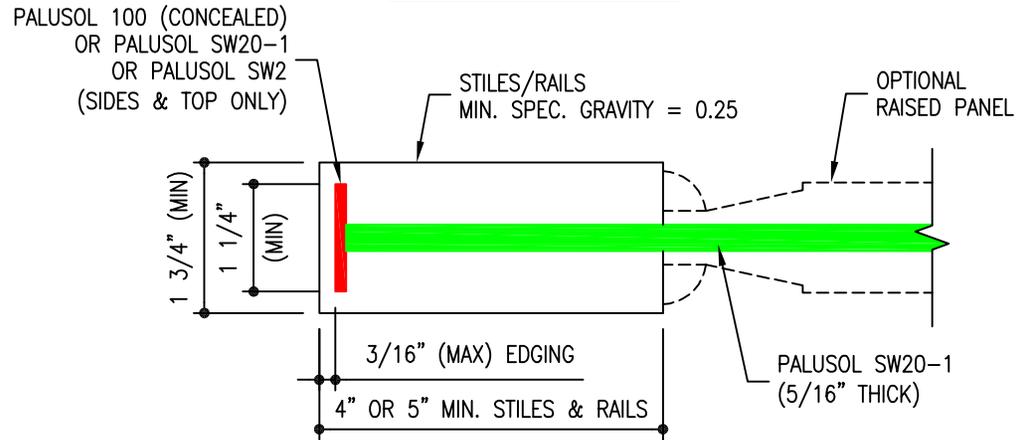
MIN. DOOR THICKNESS: 1 3/4"

LEAF SIZES WIDER THAN 42" OR TALLER THAN 96"

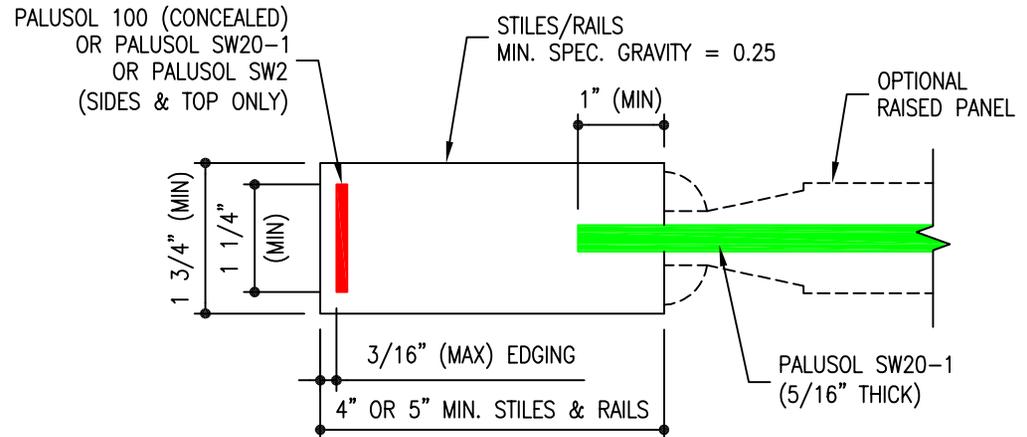
REQUIRE A CORE SPLICE (SEE DRAWING # BASF_DET_01)



STILE & RAIL DETAIL



ALTERNATIVE STILE & RAIL DETAIL



NOTE:

- 96" TALL DOORS REQUIRE 4" (MIN) STILES & RAILS
- 108" TALL DOORS REQUIRE 5" (MIN) STILES & RAILS



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22 1/2 MINUTE DOOR (1 3/8" THICK)

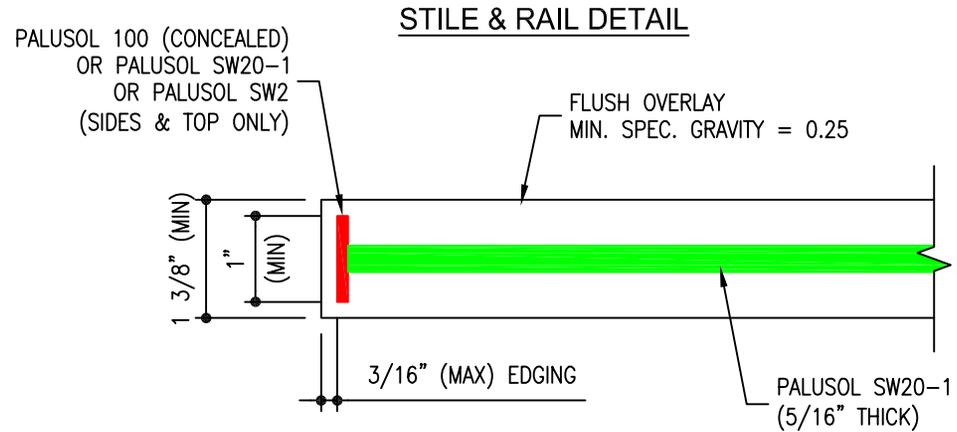
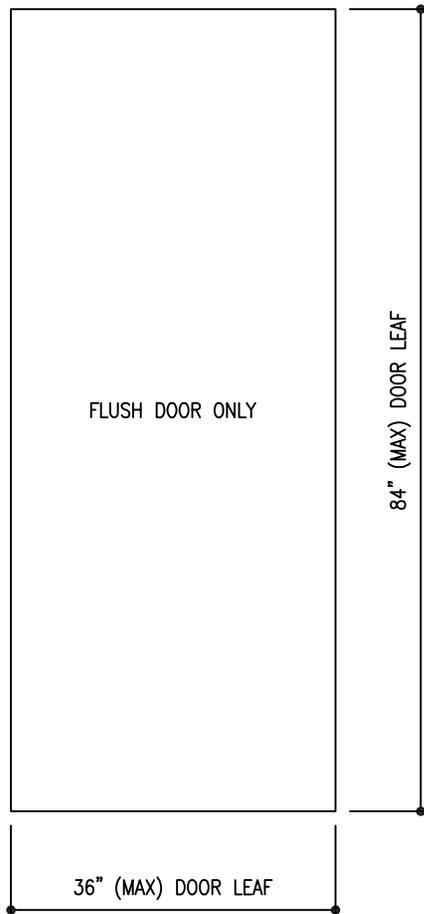
PALUSOL SW CORE CONSTRUCTION
FLUSH DOOR ONLY

DATE: SEPTEMBER 2016

VERSION 01

PAGE BASF_20_DOOR_02

MAX. LEAF SIZE: 36" x 84" (SINGLE DOOR ONLY)
MIN. DOOR THICKNESS: 1 3/8"





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20 MINUTE SINGLE DOOR / 20 MINUTE STANDARD PAIR

ENGINEERED WOOD CONSTRUCTION
SINGLE OR MULTI PANEL CONFIGURATIONS WITH
FLAT OR RAISED PANELS

DATE: SEPTEMBER 2016

VERSION 01

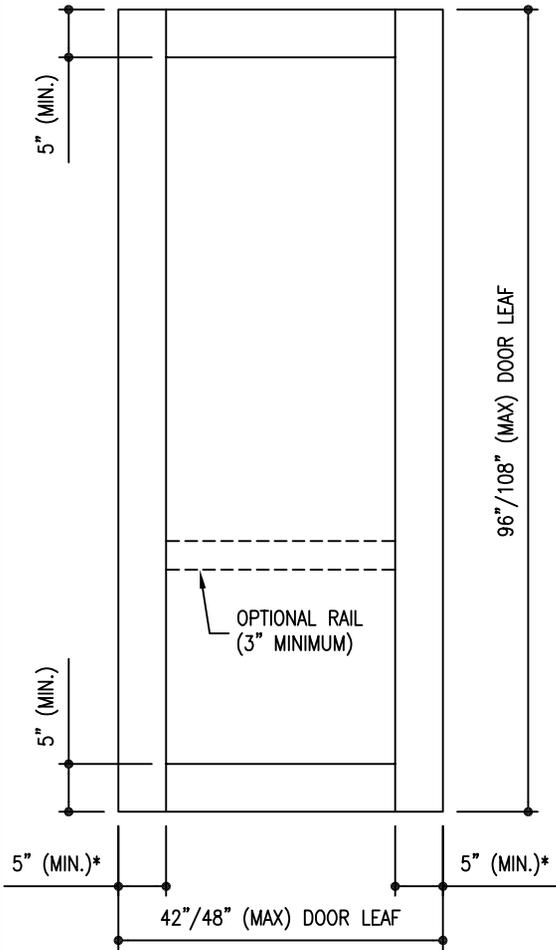
PAGE BASF_20_DOOR_03

DOOR SIZES (MAXIMUM):

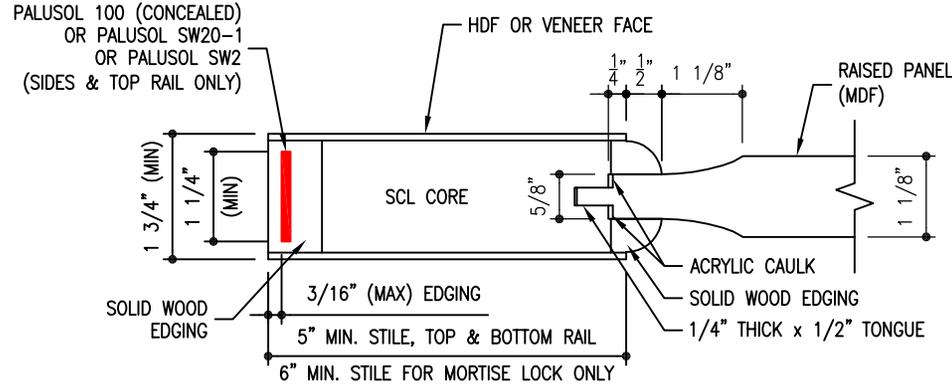
SINGLE: 42" x 108" OR 48" x 96"

PAIR: 96" x 96"

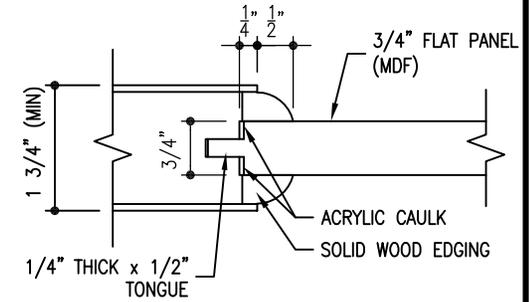
MIN. DOOR THICKNESS: 1 3/4"



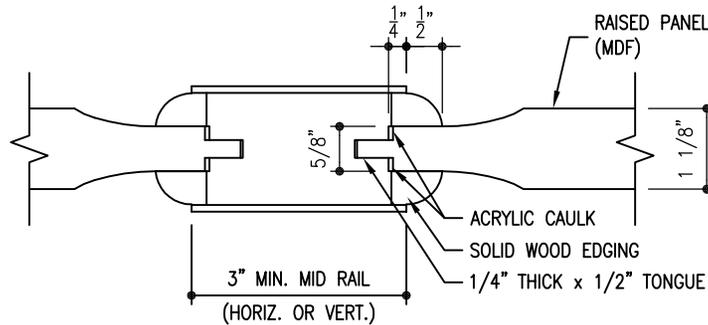
STILE & RAIL DETAIL



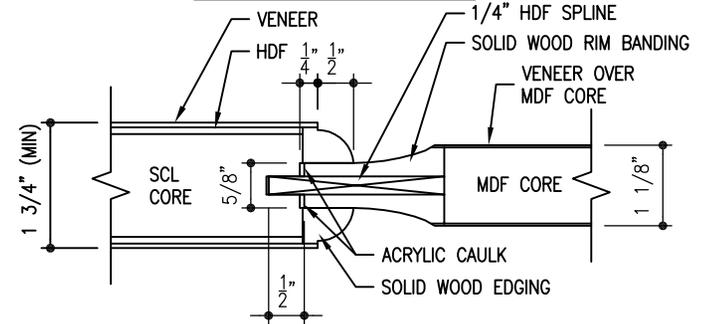
FLAT PANEL OPTION



MID RAIL DETAIL

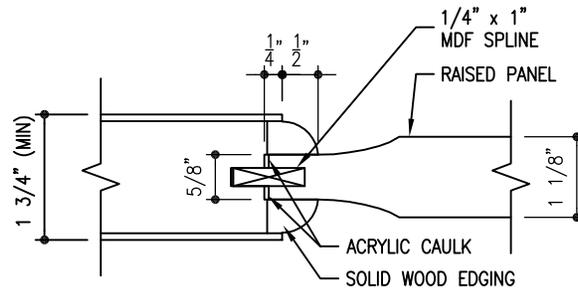


RAISED PANEL OPTION



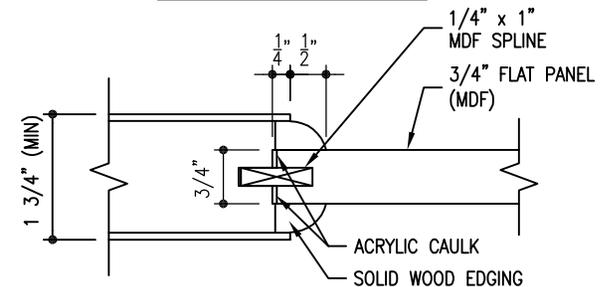
RAISED PANEL OPTION WITH SPLINE

** NO HOSE STREAM **



FLAT PANEL OPTION WITH SPLINE

** NO HOSE STREAM **



*NOTE: 6" (MIN.) STILE FOR MORTISE LOCKS



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20 MINUTE SINGLE DOOR - FULL RADIUS

PALUSOL SW CORE CONSTRUCTION
SINGLE OR MULTI PANEL CONFIGURATIONS WITH
FLAT OR RAISED PANELS

DATE: SEPTEMBER 2016

VERSION 01

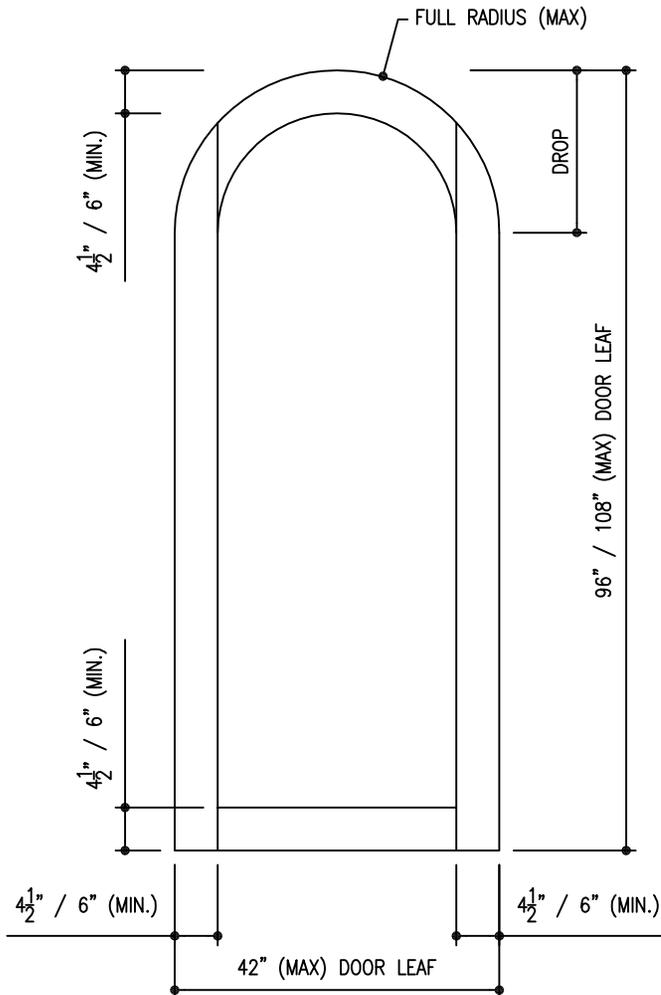
PAGE BASF_20_DOOR_04

DOOR SIZES (MAXIMUM):

SINGLE: 42" x 96" OR 42" x 108"

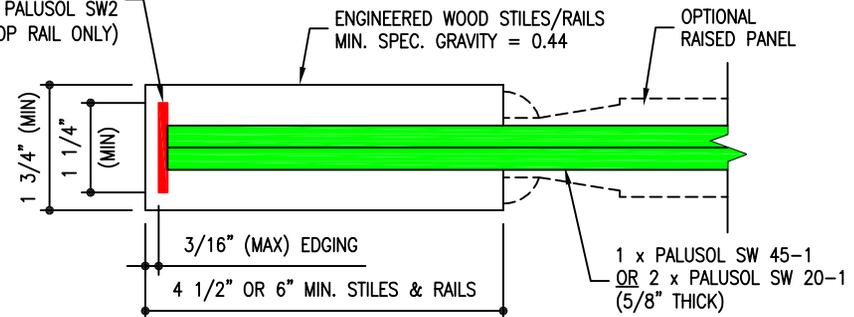
MIN. DOOR THICKNESS: 1 3/4"

LEAF SIZES TALLER THAN 96" REQUIRE A CORE SPLICE
(SEE DRAWING # BASF_DET_01)



PALUSOL 100 (CONCEALED)
OR PALUSOL SW20-1
OR PALUSOL SW2
(SIDES & TOP RAIL ONLY)

STILE & RAIL DETAIL - FULL RADIUS



FULL RADIUS NOTES:

- MINIMUM RADIUS = 0.5 x DOOR WIDTH
- MAXIMUM DROP = 0.5 x DOOR WIDTH
- FLAT OR RAISED PANELS ONLY (NO GLAZINGS)

NOTE:

- 42" x 96" DOORS REQUIRE 4 1/2" (MIN) STILES & RAILS
- 42" x 108" DOORS REQUIRE 6" (MIN) STILES & RAILS



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20 MINUTE PAIR - DOUBLE EGRESS

PALUSOL SW CORE CONSTRUCTION
SINGLE OR MULTI PANEL CONFIGURATIONS
WITH FLAT OR RAISED PANELS

DATE: SEPTEMBER 2016

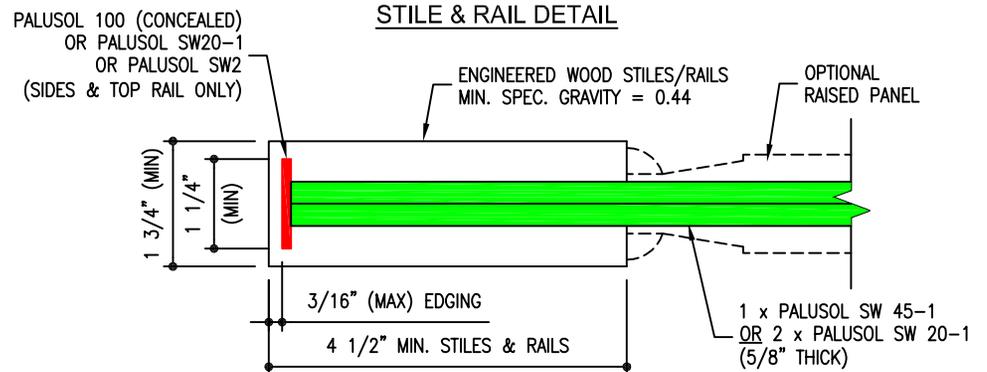
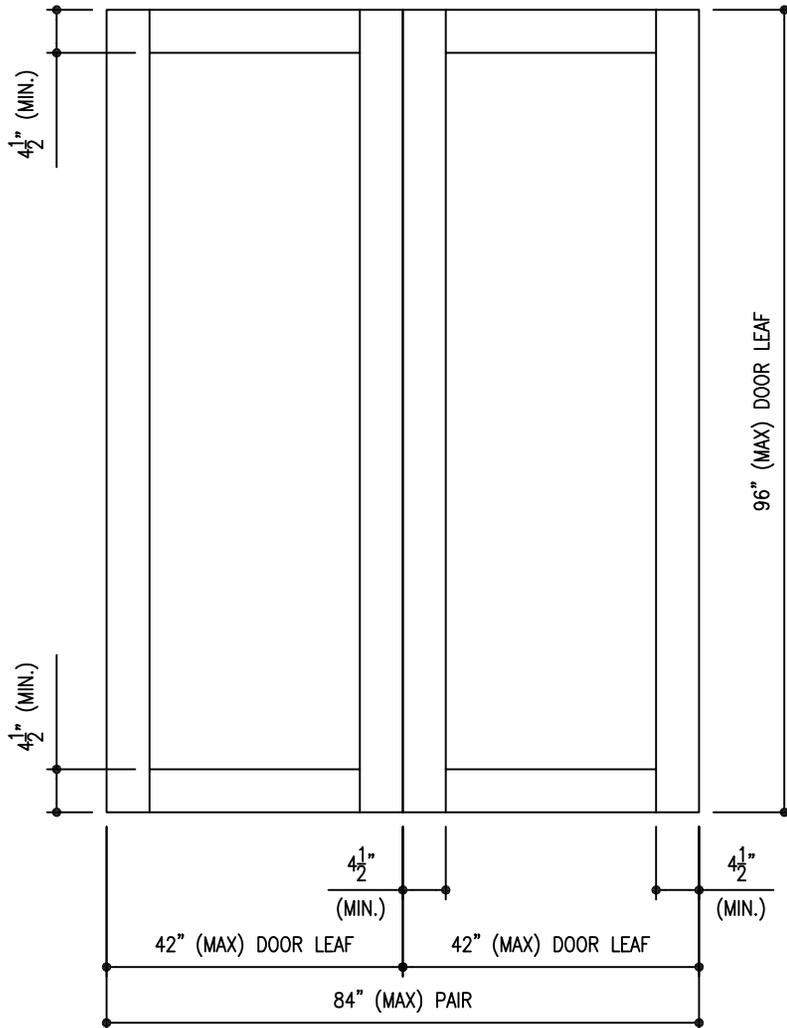
VERSION 01

PAGE BASF_20_DOOR_05

DOOR SIZES (MAXIMUM):

PAIR: 84" x 96"

MIN. DOOR THICKNESS: 1 3/4"





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20 MINUTE - SHALLOW RADIUS (SINGLE OR PAIR)

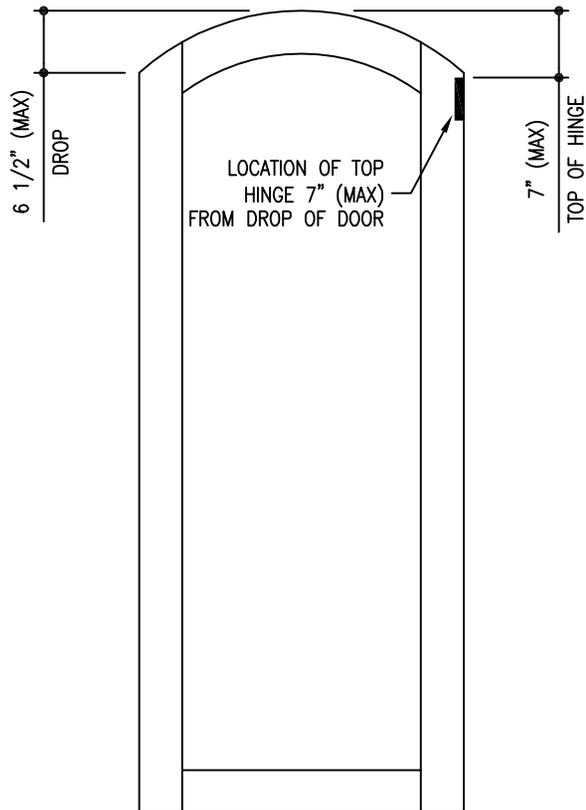
PALUSOL SW CORE CONSTRUCTION
SINGLE OR MULTI PANEL CONFIGURATIONS
WITH FLAT OR RAISED PANELS

DATE: SEPTEMBER 2016

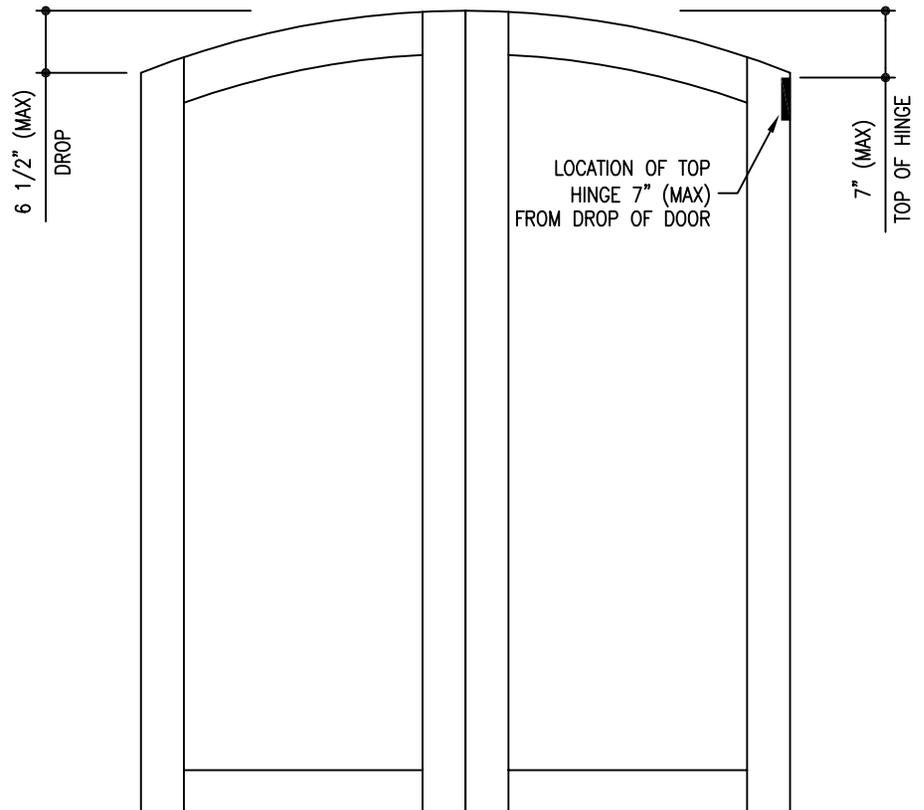
VERSION 01

PAGE BASF_20_DOOR_06

SHALLOW RADIUS - SINGLE



SHALLOW RADIUS - PAIR



SHALLOW RADIUS NOTES:

- ACCEPTABLE FOR ALL 20 MINUTE DOOR CONSTRUCTIONS & SIZES
- FLAT OR RAISED PANELS AND GLAZINGS
- MAXIMUM DROP = 6 1/2"



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20 MINUTE SINGLE DOOR / 20 MINUTE PAIR

ENGINEERED WOOD CONSTRUCTION
SINGLE OR MULTI LITE CONFIGURATIONS
WITH CERAMIC GLAZING

DATE: SEPTEMBER 2016

VERSION 01

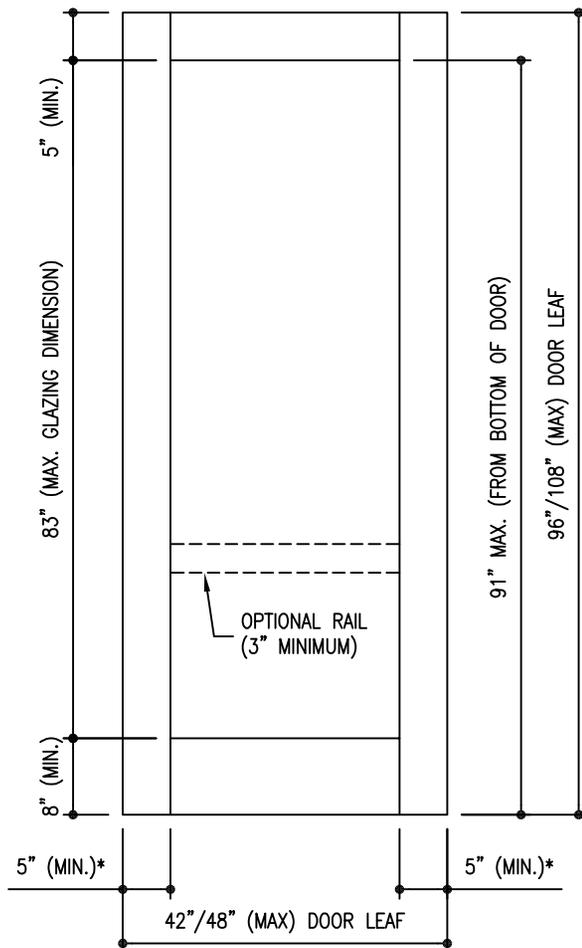
PAGE BASF_20_DOOR_07

DOOR SIZES (MAXIMUM):

SINGLE: 42" x 108" OR 48" x 96"

PAIR: 96" x 96"

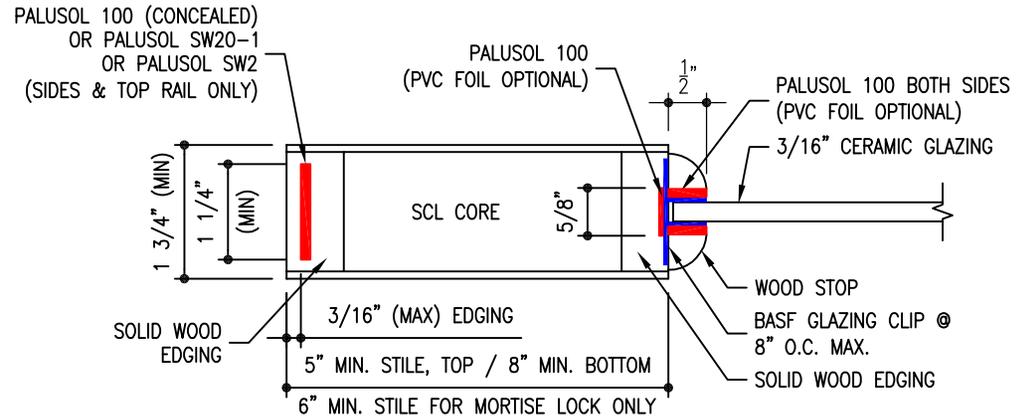
MIN. DOOR THICKNESS: 1 3/4"



*NOTE: 6" (MIN.) STILE FOR MORTISE LOCKS

GLAZING DETAIL

MAX. GLAZING AREA: 2656 SQ.IN.

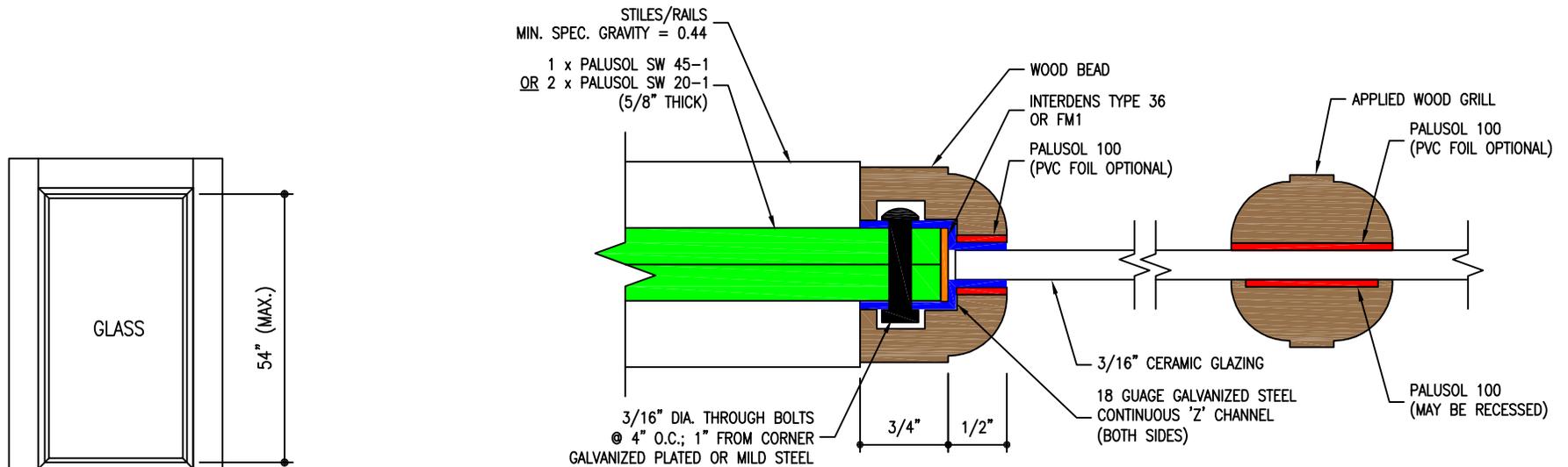


NOTES:

- MAXIMUM AREA OF SINGLE GLAZING: 2656 SQ.IN.
- CAN BE USED IN COMBINATION WITH FLAT OR RAISED PANELS
- MULTIPLE GLAZING PANELS ARE PERMITTED WITH COMBINATION OF 3" (MIN.) RAILS
- TOP OF GLAZING PANEL MAY HAVE SHALLOW RADIUS
- MINIMUM DIMENSION BETWEEN HARDWARE CUTOUT AND GLAZING CUTOUT = 1 3/16"
- BASF 20-1 CAN BE USED AS AN ALTERNATE CORE

20 MINUTE - 'Z' CHANNEL

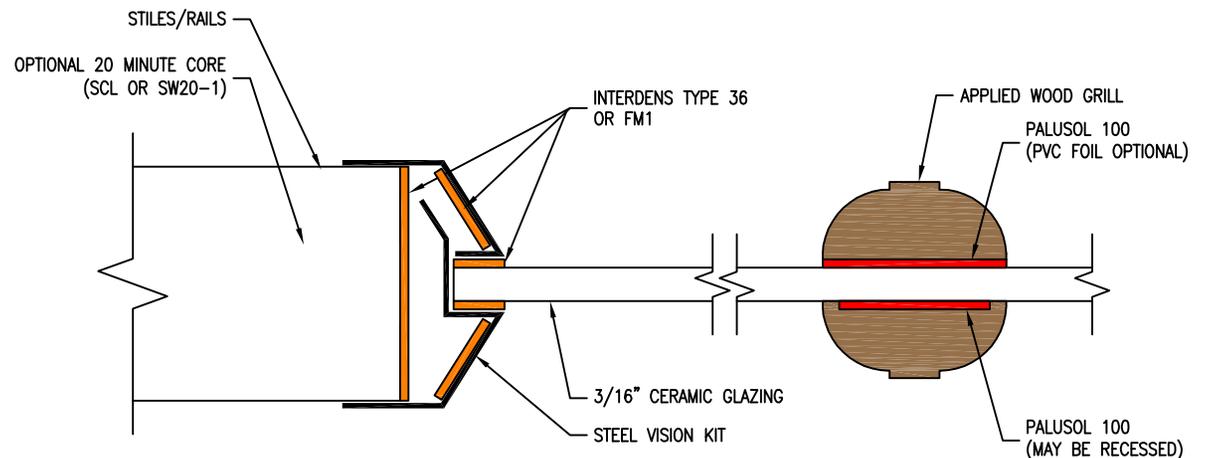
MAX. AREA OF GLAZING PANEL = 1296 SQ.IN.
MAX. DIM = 54"



FOR ILLUSTRATION PURPOSES
(LAYOUT MAY VARY)

20 MINUTE - STEEL VISION KIT

MAX. AREA OF GLAZING PANEL = 1296 SQ.IN.
MAX. DIM = 54"



NOTES:

- MAXIMUM AREA OF SINGLE GLAZING: 1296 SQ.IN.
- CAN BE USED IN COMBINATION WITH FLAT OR RAISED PANELS
- MULTIPLE GLAZING PANELS ARE PERMITTED WITH COMBINATION OF 3" (MIN.) RAILS
- TOP OF GLAZING PANEL MAY HAVE SHALLOW RADIUS
- MINIMUM DIMENSION BETWEEN HARDWARE CUTOUT AND GLAZING CUTOUT = 1 3/16"



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45 MINUTE SINGLE DOOR - RAISED PANEL ONLY

PALUSOL SW CORE CONSTRUCTION
SINGLE OR MULTI PANEL CONFIGURATIONS
WITH RAISED PANELS

DATE: SEPTEMBER 2016

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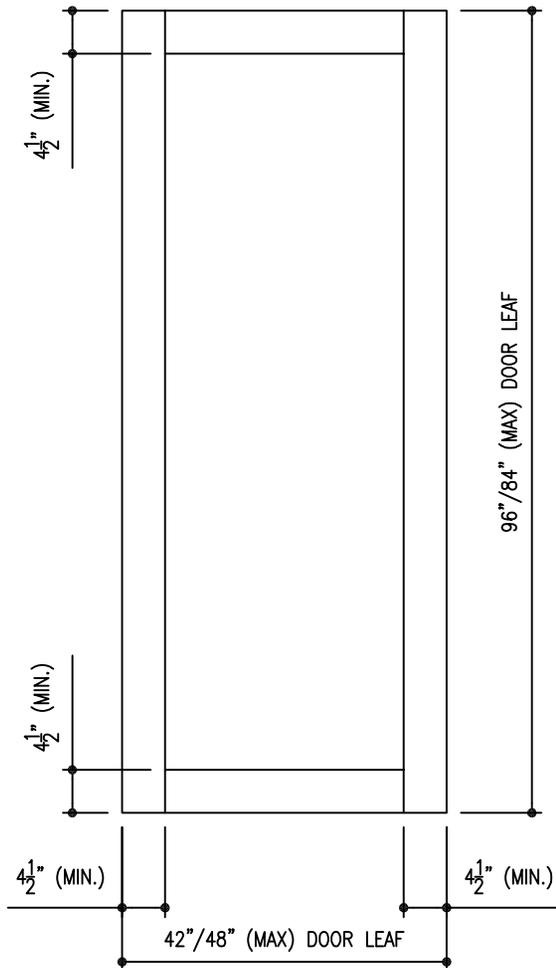
DOOR SIZES (MAXIMUM):

SINGLE: 42" x 96" OR 48" x 84"

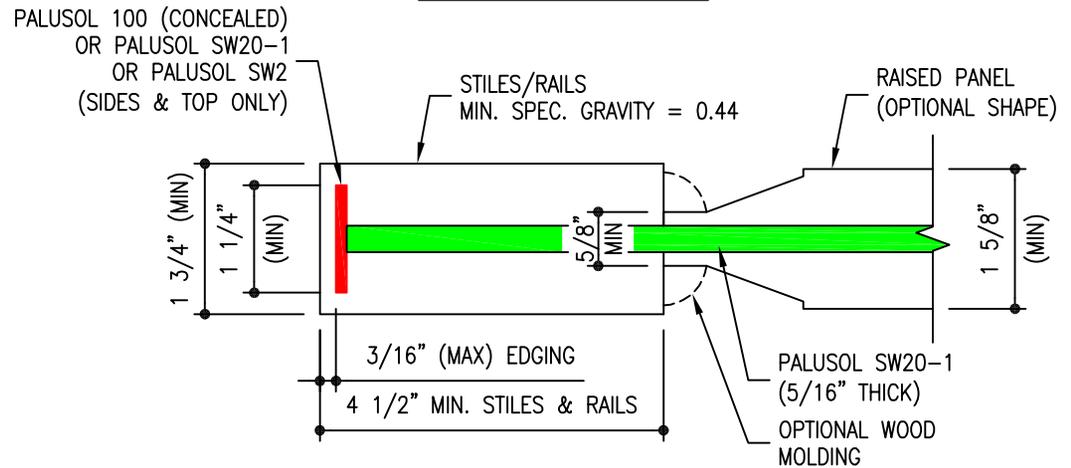
MIN. DOOR THICKNESS: 1 3/4"

LEAF SIZES WIDER THAN 42" OR TALLER THAN 96"

REQUIRE A CORE SPLICE (SEE DRAWING # BASF_DET_01)



STILE & RAIL DETAIL





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45 MINUTE SINGLE DOOR

PALUSOL SW CORE CONSTRUCTION
SINGLE OR MULTI PANEL CONFIGURATIONS
WITH FLAT OR RAISED PANELS

DATE: SEPTEMBER 2016

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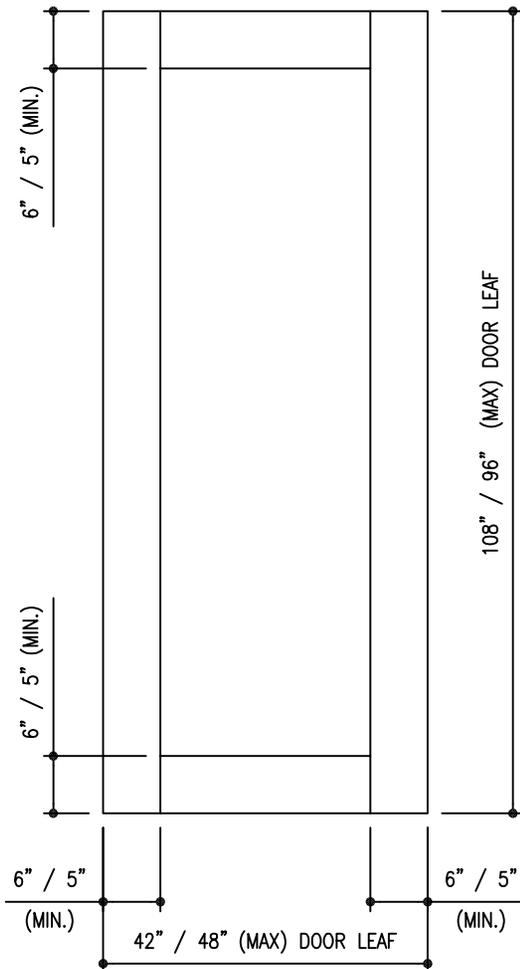
DOOR SIZES (MAXIMUM):

SINGLE: 42" x 108" OR 48" x 96"

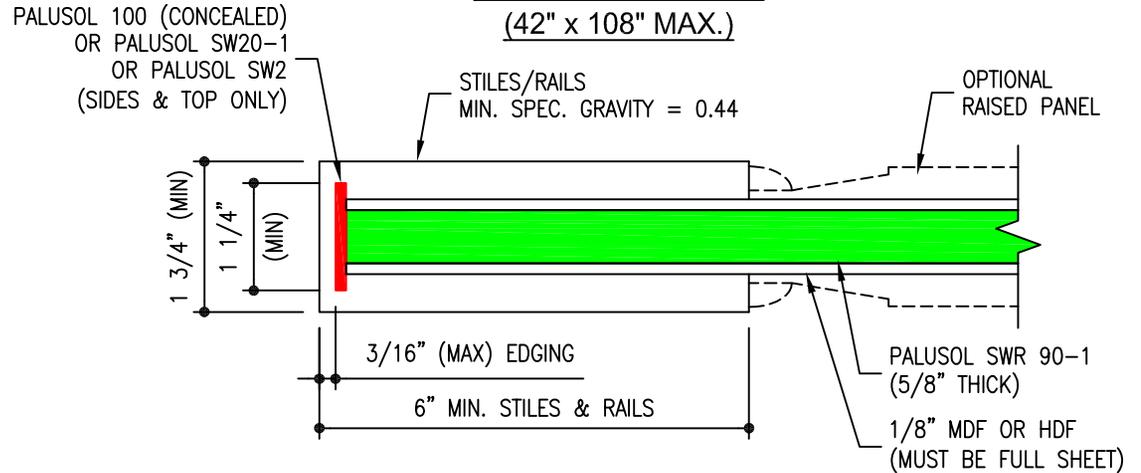
MIN. DOOR THICKNESS: 1 3/4"

LEAF SIZES WIDER THAN 42" OR TALLER THAN 96"

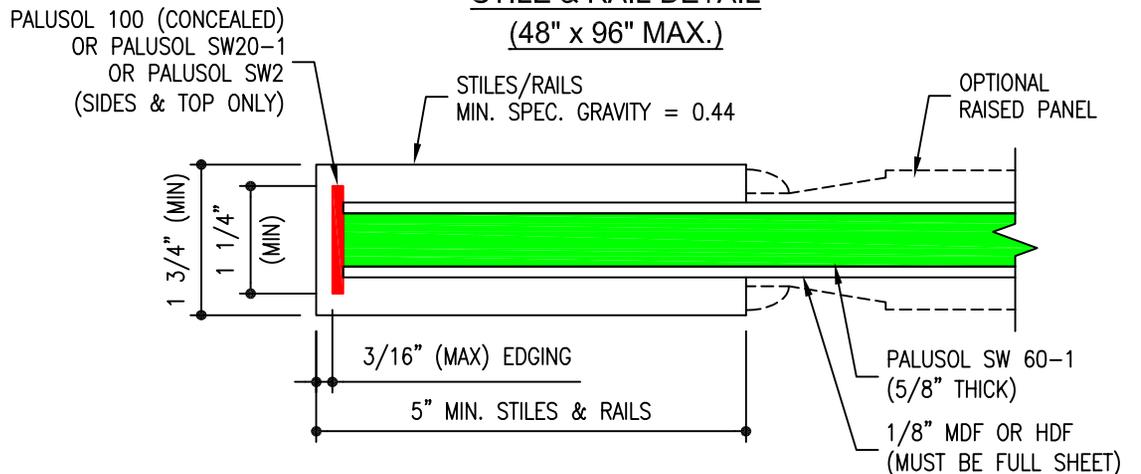
REQUIRE A CORE SPLICE (SEE DRAWING # BASF_DET_01)



STILE & RAIL DETAIL (42" x 108" MAX.)



STILE & RAIL DETAIL (48" x 96" MAX.)





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45 MINUTE SINGLE DOOR / 45 MINUTE STANDARD PAIR

PALUSOL SW CORE CONSTRUCTION
SINGLE OR MULTI PANEL CONFIGURATIONS
WITH FLAT OR RAISED PANELS

DATE: SEPTEMBER 2016

VERSION 01

PAGE BASF_45_DOOR_03

DOOR SIZES (MAXIMUM):

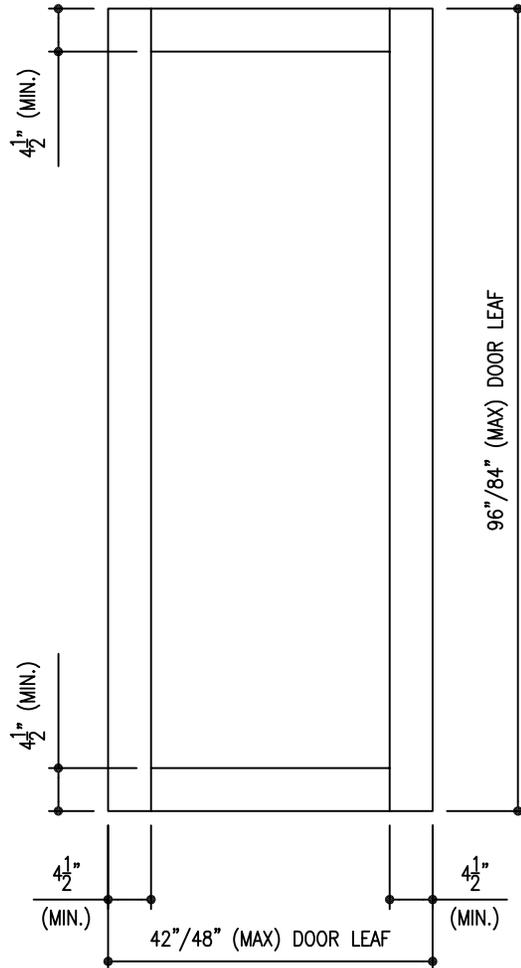
SINGLE: 42" x 96" OR 48" x 84"

PAIR: 84" x 96" OR 96" x 84"

MIN. DOOR THICKNESS: 1 3/4"

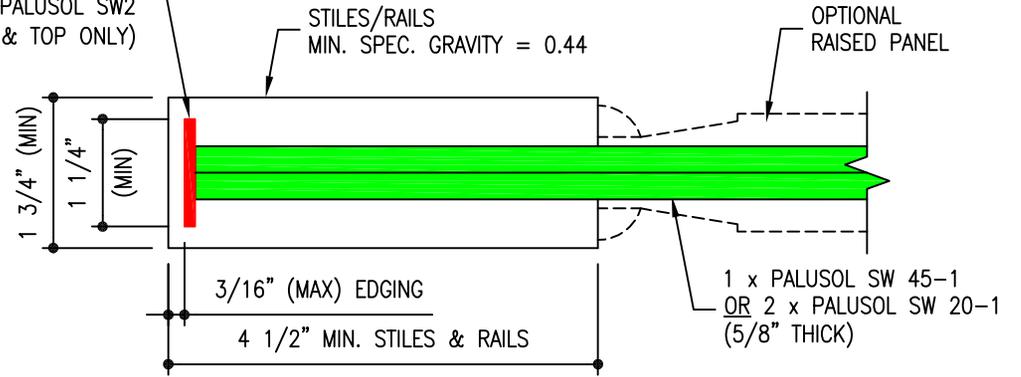
LEAF SIZES WIDER THAN 42" OR TALLER THAN 96"

REQUIRE A CORE SPLICE (SEE DRAWING # BASF_DET_01)



PALUSOL 100 (CONCEALED)
OR PALUSOL SW20-1
OR PALUSOL SW2
(SIDES & TOP ONLY)

STILE & RAIL DETAIL





We create chemistry

45 MINUTE PAIR - DOUBLE EGRESS

PALUSOL SW CORE CONSTRUCTION
SINGLE OR MULTI PANEL CONFIGURATIONS
WITH FLAT OR RAISED PANELS

DATE: SEPTEMBER 2016

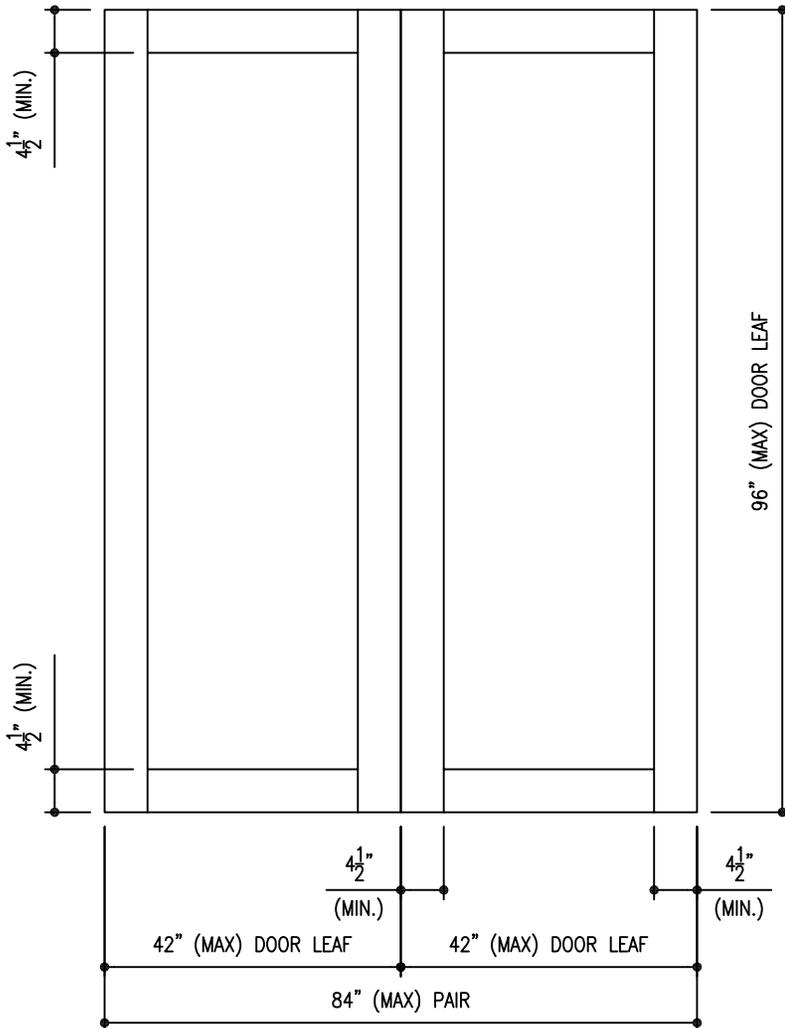
VERSION 01

PAGE BASF_45_DOOR_04

DOOR SIZES (MAXIMUM):

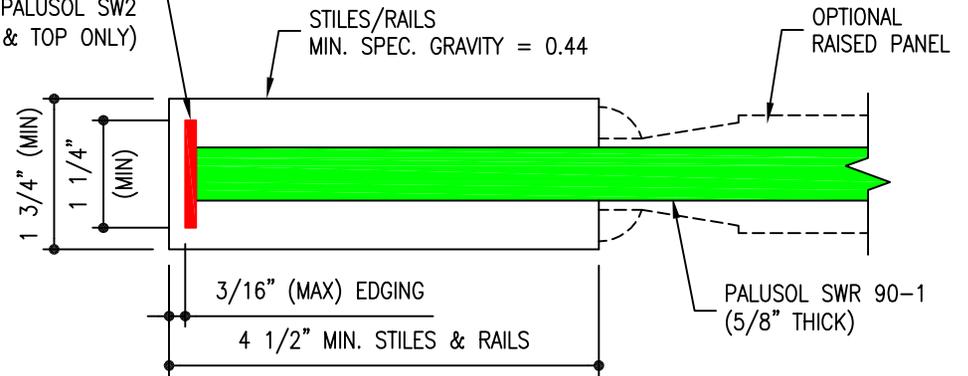
PAIR: 84" x 96"

MIN. DOOR THICKNESS: 1 3/4"



PALUSOL 100 (CONCEALED)
OR PALUSOL SW20-1
OR PALUSOL SW2
(SIDES & TOP ONLY)

STILE & RAIL DETAIL





We create chemistry

45 MINUTE SINGLE DOOR - FULL RADIUS

PALUSOL SW CORE CONSTRUCTION
SINGLE OR MULTI PANEL CONFIGURATIONS
WITH FLAT OR RAISED PANELS

DATE: SEPTEMBER 2016

VERSION 01

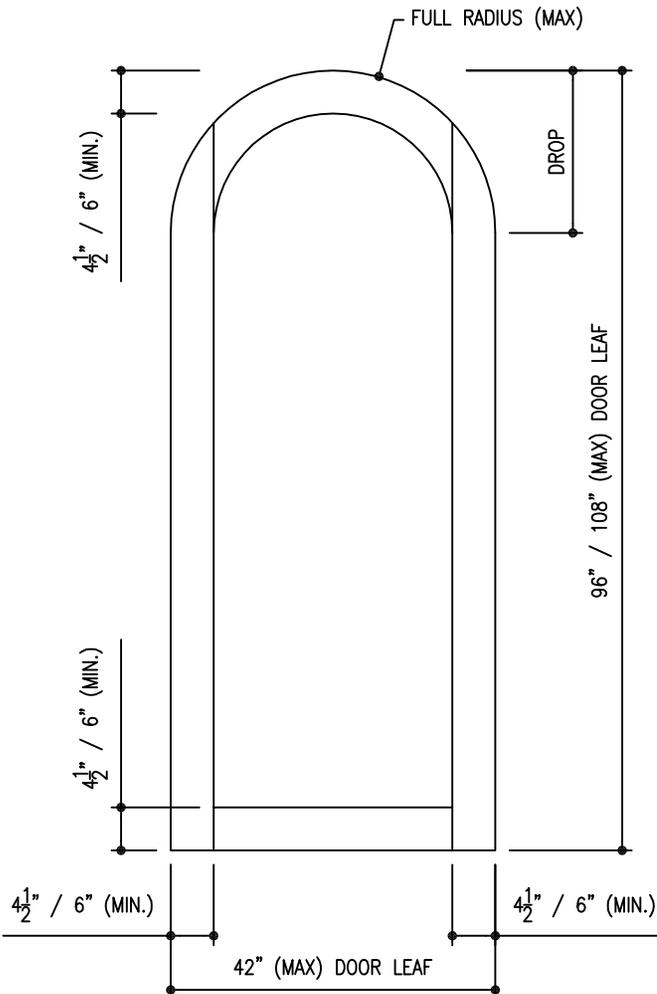
PAGE BASF_45_DOOR_05

DOOR SIZES (MAXIMUM):

SINGLE: 42" x 96" OR 42" x 108"

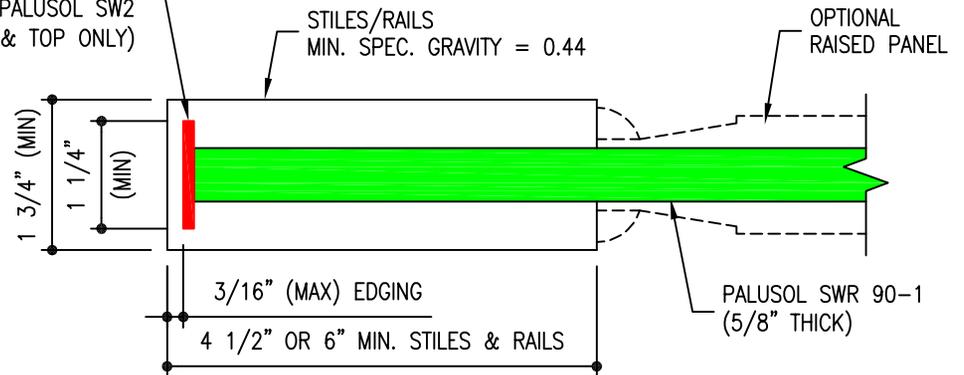
MIN. DOOR THICKNESS: 1 3/4"

LEAF SIZES TALLER THAN 96" REQUIRE A CORE SPLICE
(SEE DRAWING # BASF_DET_01)



PALUSOL 100 (CONCEALED)
OR PALUSOL SW20-1
OR PALUSOL SW2
(SIDES & TOP ONLY)

STILE & RAIL DETAIL - FULL RADIUS



FULL RADIUS NOTES:

- MINIMUM RADIUS = 0.5 x DOOR WIDTH
- MAXIMUM DROP = 0.5 x DOOR WIDTH
- FLAT OR RAISED PANELS ONLY (NO GLAZINGS)

NOTE:

- 42" x 96" DOORS REQUIRE 4 1/2" (MIN) STILES & RAILS
- 42" x 108" DOORS REQUIRE 6" (MIN) STILES & RAILS



We create chemistry

45 MINUTE COMMUNICATING DOOR

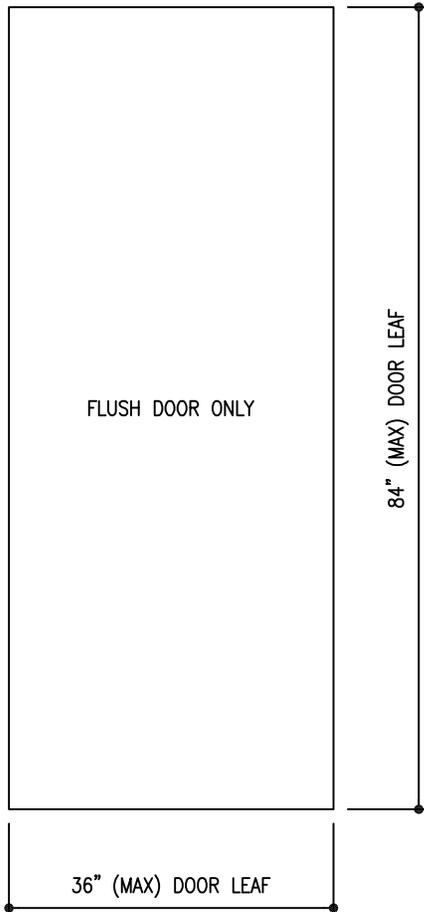
PALUSOL SW CORE CONSTRUCTION
FLUSH DOOR ONLY

DATE: SEPTEMBER 2016

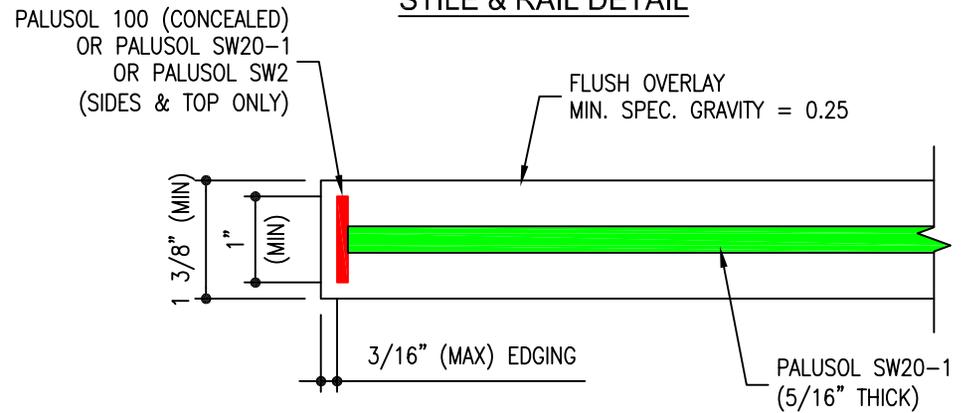
VERSION 01

PAGE BASF_45_DOOR_06

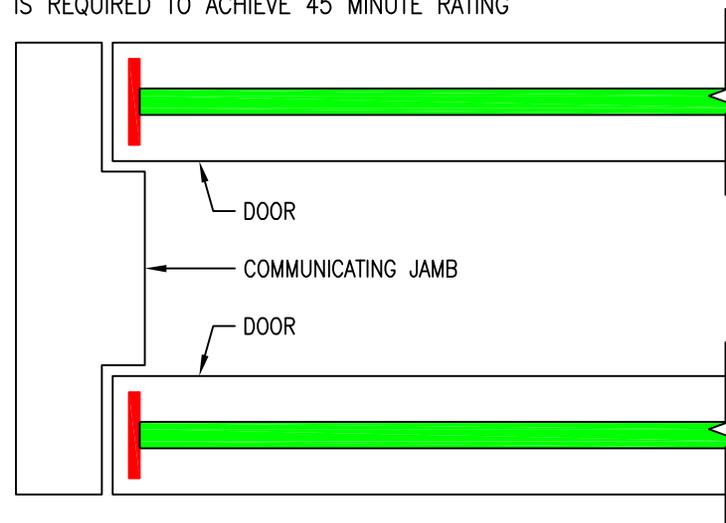
MAX. LEAF SIZE: 36" x 84" (SINGLE DOOR ONLY)
MIN. DOOR THICKNESS: 1 3/8"



STILE & RAIL DETAIL



NOTE:
2 DOORS INSTALLED INTO COMMUNICATING JAMB
IS REQUIRED TO ACHIEVE 45 MINUTE RATING





We create chemistry

45 MINUTE - SHALLOW RADIUS (SINGLE OR PAIR)

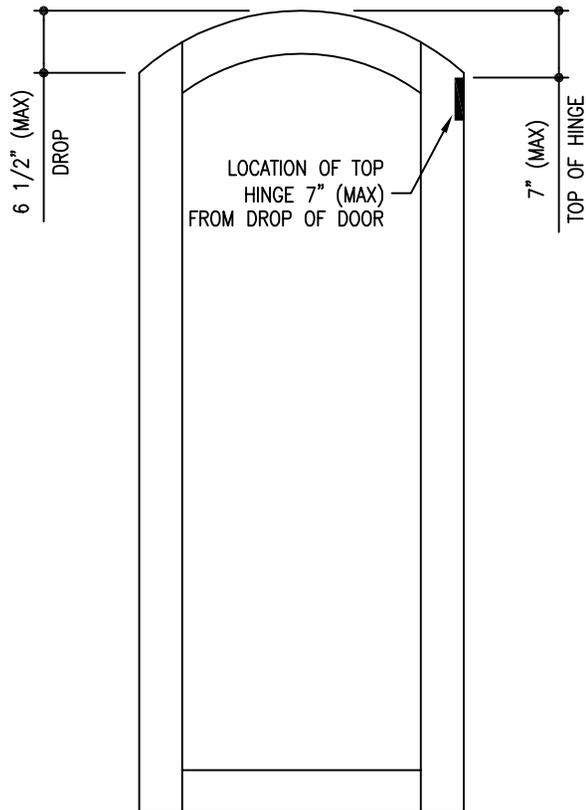
PALUSOL SW CORE CONSTRUCTION
SINGLE OR MULTI PANEL CONFIGURATIONS
WITH FLAT OR RAISED PANELS

DATE: SEPTEMBER 2016

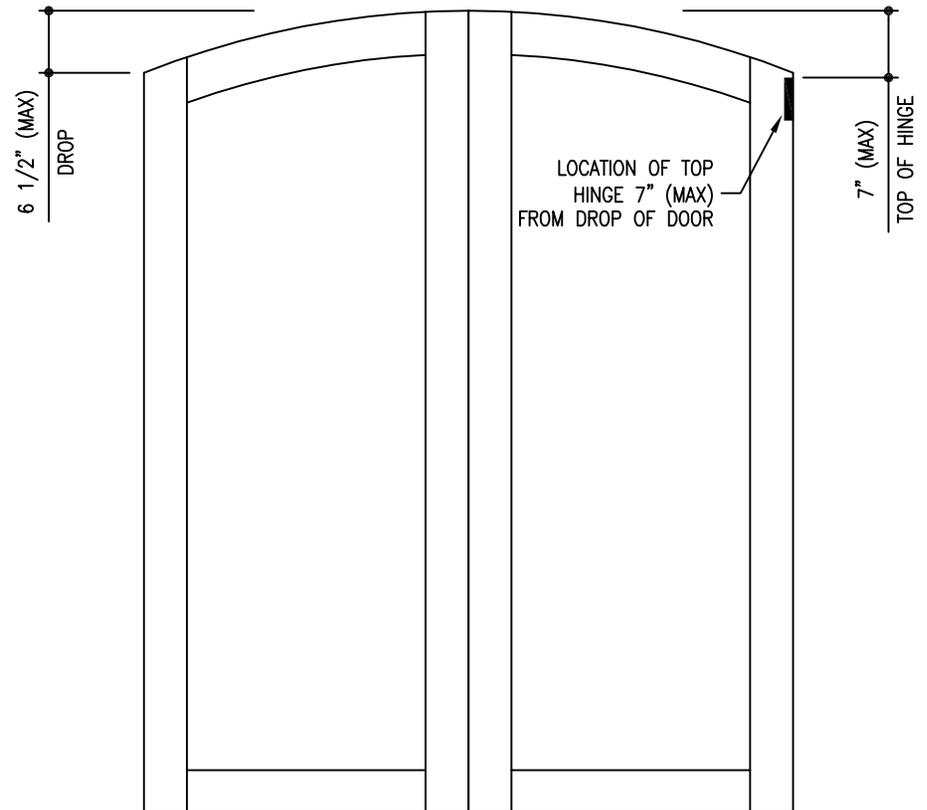
VERSION 01

PAGE BASF_45_DOOR_07

SHALLOW RADIUS - SINGLE



SHALLOW RADIUS - PAIR



SHALLOW RADIUS NOTES:

- ACCEPTABLE FOR ALL 45 MINUTE DOOR CONSTRUCTIONS & SIZES
- FLAT OR RAISED PANELS AND GLAZINGS
- MAXIMUM DROP = 6 1/2"



We create chemistry

45 MINUTE SINGLE DOOR / 45 MINUTE PAIR

SINGLE OR MULTI LITE CONFIGURATIONS WITH CERAMIC GLASS

DATE: SEPTEMBER 2016

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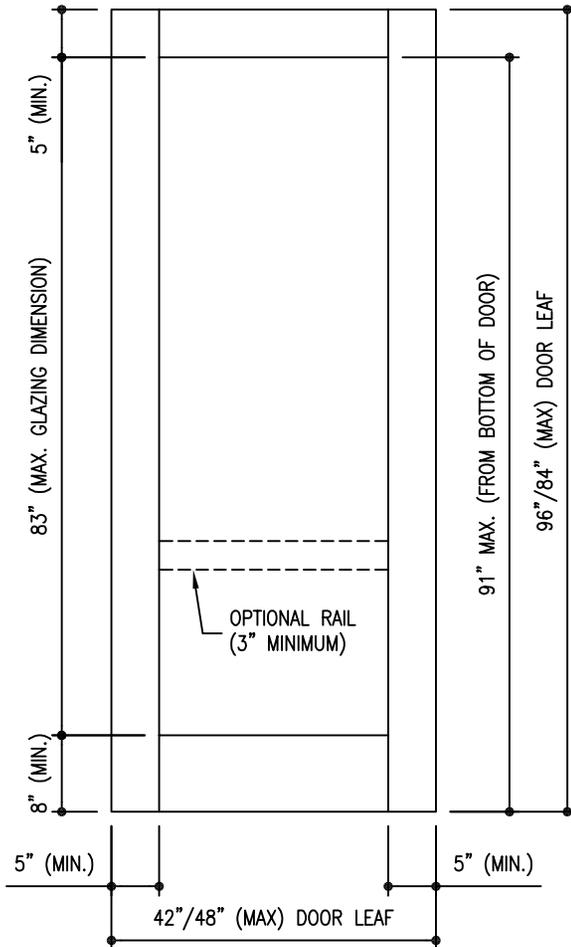
PAGE BASF_45_DOOR_08

DOOR SIZES (MAXIMUM):

SINGLE: 42" x 96" OR 48" x 84"

PAIR: 96" x 96"

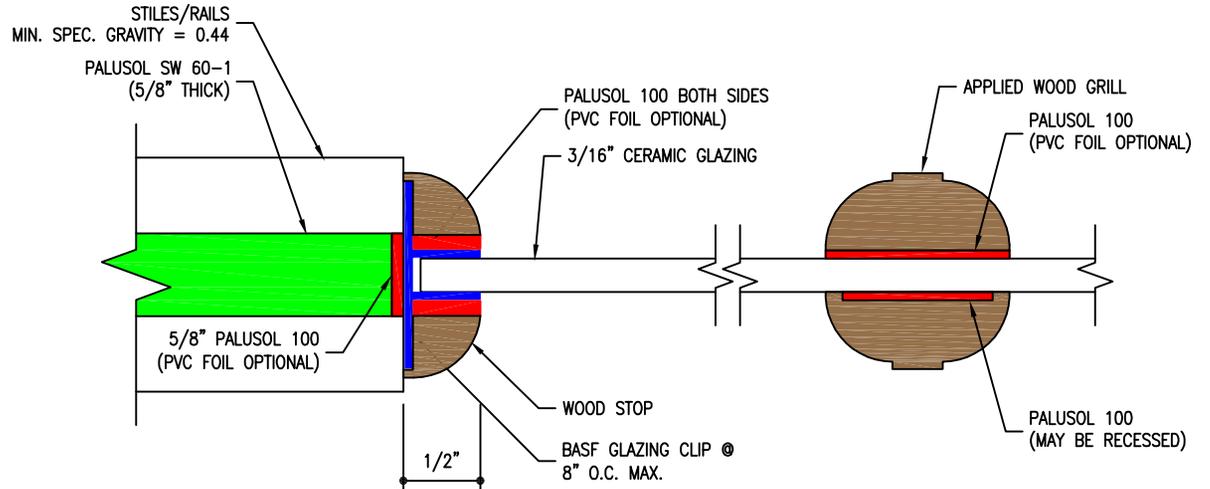
MIN. DOOR THICKNESS: 1 3/4"



45 MINUTE - BASF CLIP SYSTEM

MAX. AREA OF GLAZING PANEL = 2656 SQ.IN.

MAX. DIM = 83"

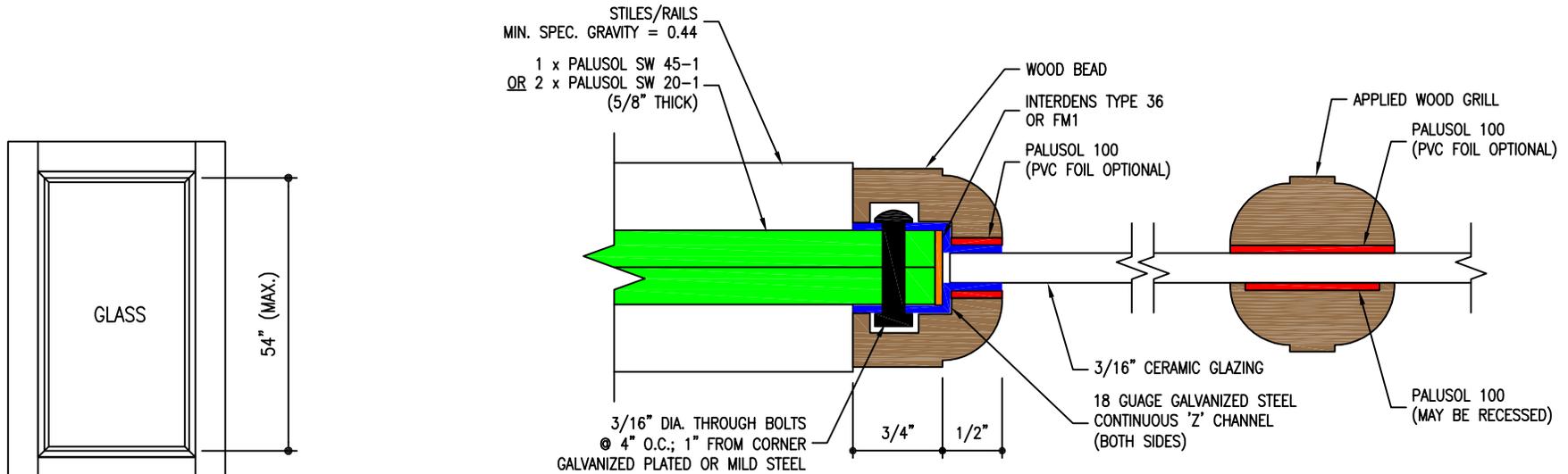


NOTES:

- MAXIMUM AREA OF SINGLE GLAZING: 2656 SQ.IN.
- CAN BE USED IN COMBINATION WITH FLAT OR RAISED PANELS
- MULTIPLE GLAZING PANELS ARE PERMITTED WITH COMBINATION OF 3" (MIN.) RAILS
- TOP OF GLAZING PANEL MAY HAVE SHALLOW RADIUS
- MINIMUM DIMENSION BETWEEN HARDWARE CUTOUT AND GLAZING CUTOUT = 1 3/16"

45 MINUTE - 'Z' CHANNEL

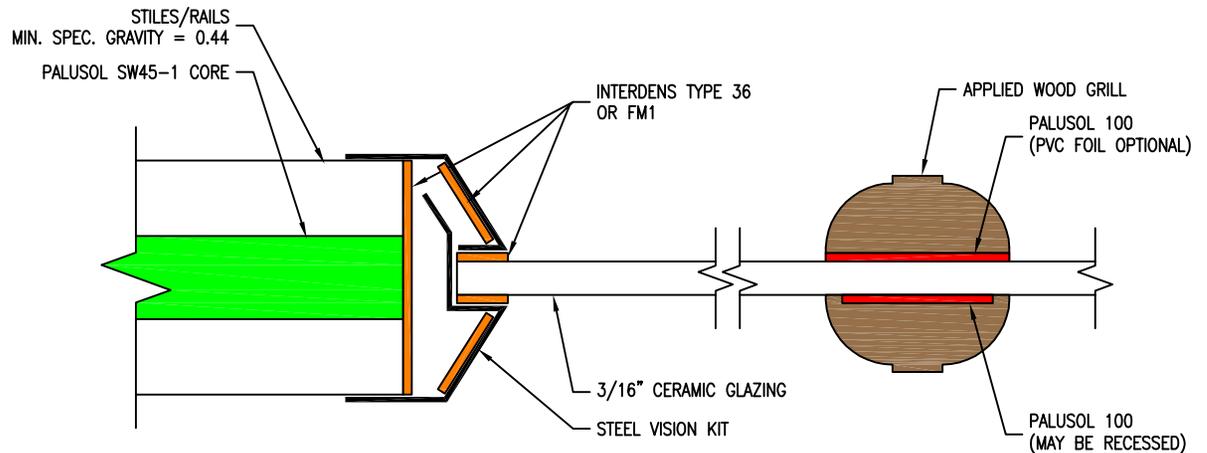
MAX. SIZE OF GLAZING PANEL = 1296 SQ.IN.
MAX. DIM = 54"



FOR ILLUSTRATION PURPOSED
(LAYOUT MAY VARY)

45 MINUTE - STEEL VISION KIT

MAX. SIZE OF GLAZING PANEL = 1296 SQ.IN.
MAX. DIM = 54"



NOTES:

- MAXIMUM AREA OF SINGLE GLAZING: 1296 SQ.IN.
- CAN BE USED IN COMBINATION WITH FLAT OR RAISED PANELS
- MULTIPLE GLAZING PANELS ARE PERMITTED WITH COMBINATION OF 3" (MIN.) RAILS
- TOP OF GLAZING PANEL MAY HAVE SHALLOW RADIUS
- MINIMUM DIMENSION BETWEEN HARDWARE CUTOUT AND GLAZING GLAZING CUTOUT = 1 3/16"



We create chemistry

60 MINUTE SINGLE DOOR

PALUSOL SW CORE CONSTRUCTION
SINGLE OR MULTI PANEL CONFIGURATIONS
WITH FLAT OR RAISED PANELS

DATE: SEPTEMBER 2016

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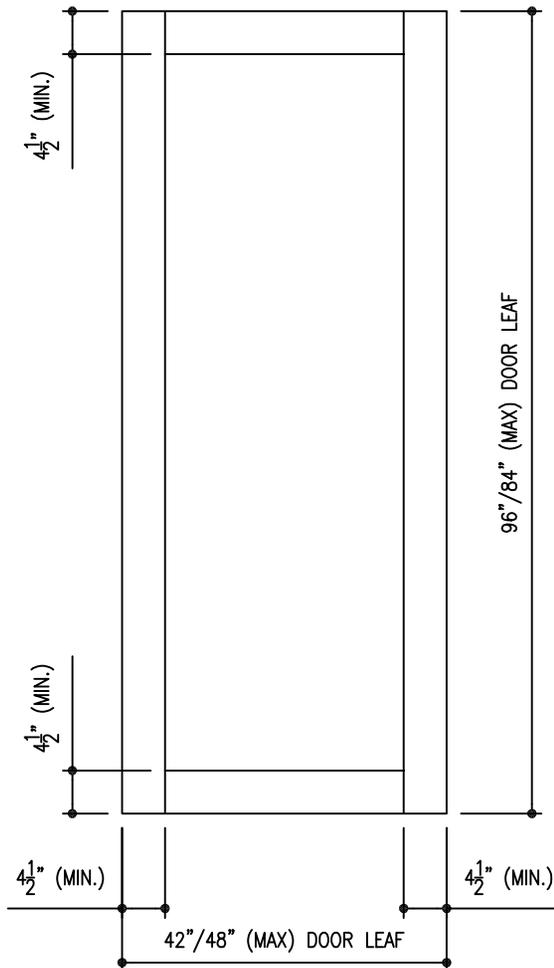
DOOR SIZES (MAXIMUM):

SINGLE: 42" x 96" OR 48" x 84"

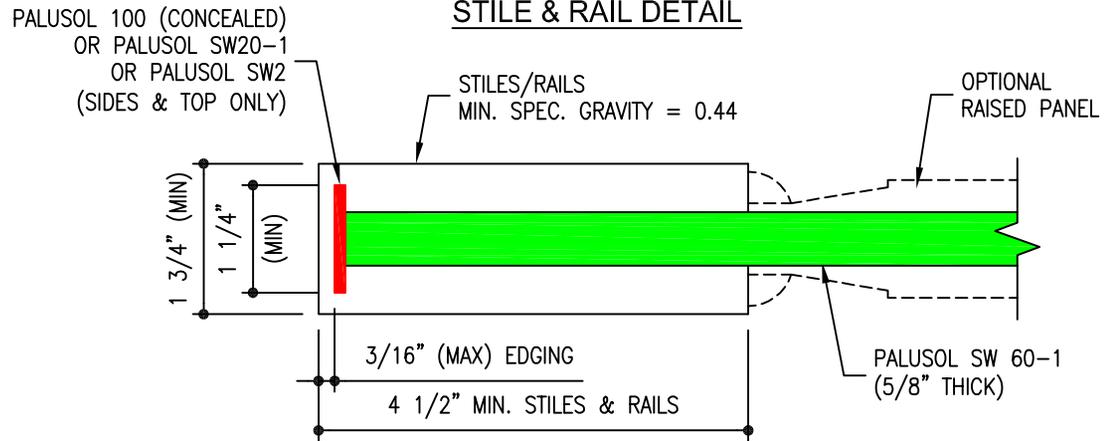
MIN. DOOR THICKNESS: 1 3/4"

LEAF SIZES WIDER THAN 42" OR TALLER THAN 96"

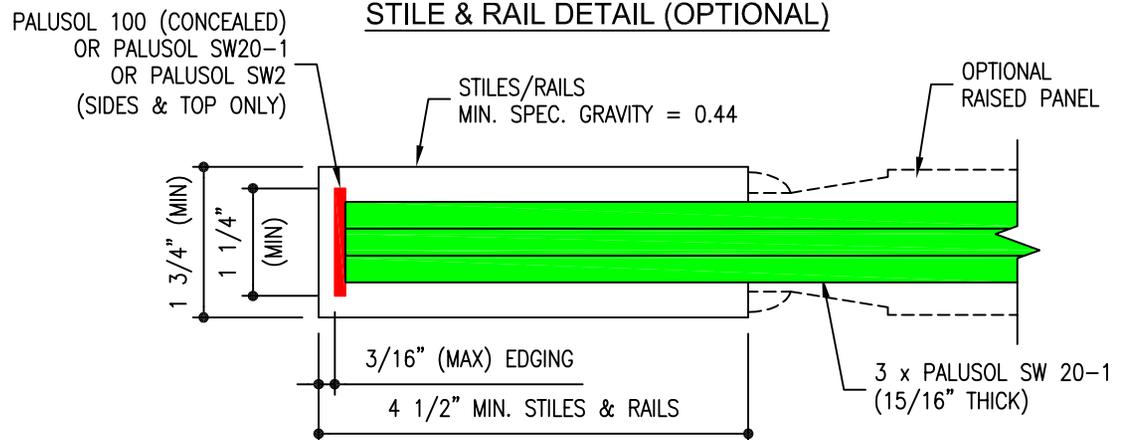
REQUIRE A CORE SPLICE (SEE DRAWING # BASF_DET_01)



STILE & RAIL DETAIL



STILE & RAIL DETAIL (OPTIONAL)





We create chemistry

60 MINUTE SINGLE DOOR

PALUSOL SW CORE CONSTRUCTION
SINGLE OR MULTI PANEL CONFIGURATIONS
WITH RAISED PANELS ONLY

DATE: SEPTEMBER 2016

VERSION 01

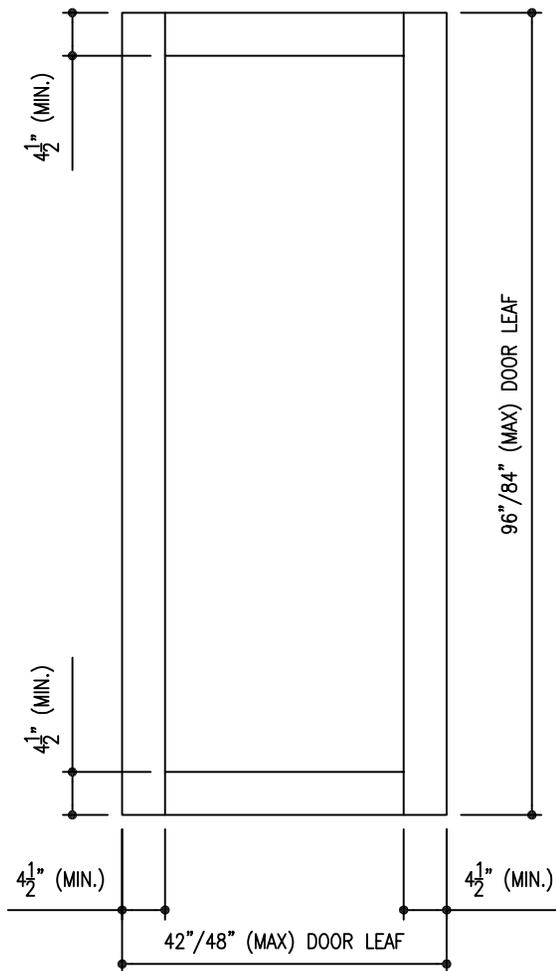
PAGE BASF_60_DOOR_02

DOOR SIZES (MAXIMUM):

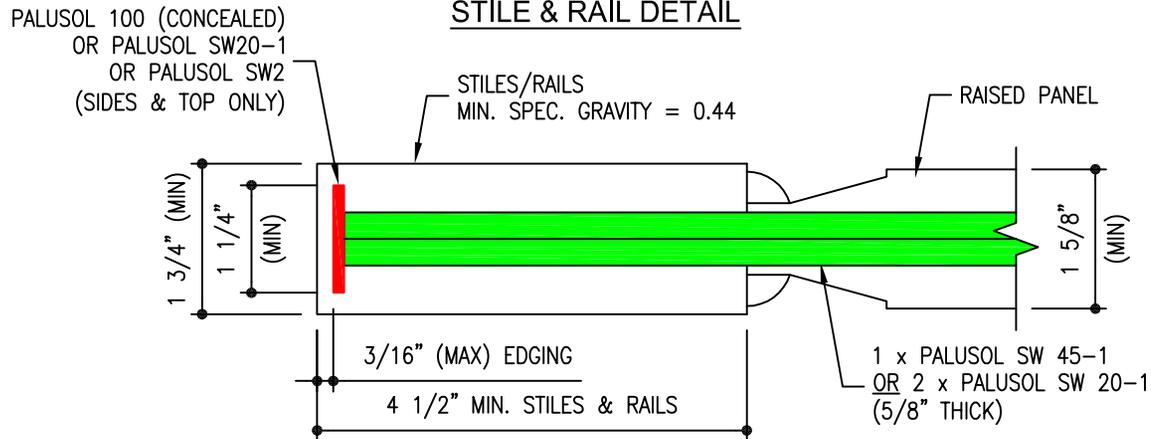
SINGLE: 42" x 96" OR 48" x 84"

MIN. DOOR THICKNESS: 1 3/4"

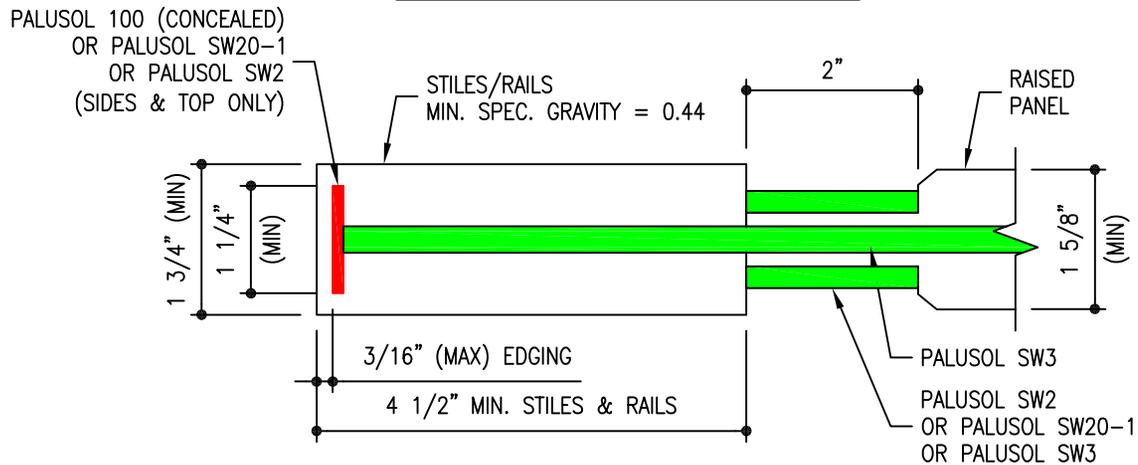
LEAF SIZES WIDER THAN 42" OR TALLER THAN 96"
REQUIRE A CORE SPLICE (SEE DRAWING # BASF_DET_01)



STILE & RAIL DETAIL



STILE & RAIL DETAIL (OPTIONAL)





We create chemistry

60 MINUTE SINGLE DOOR

PALUSOL SW CORE CONSTRUCTION
SINGLE OR MULTI PANEL CONFIGURATIONS
WITH FLAT OR RAISED PANELS

DATE: SEPTEMBER 2016

VERSION 01

PAGE BASF_60_DOOR_03

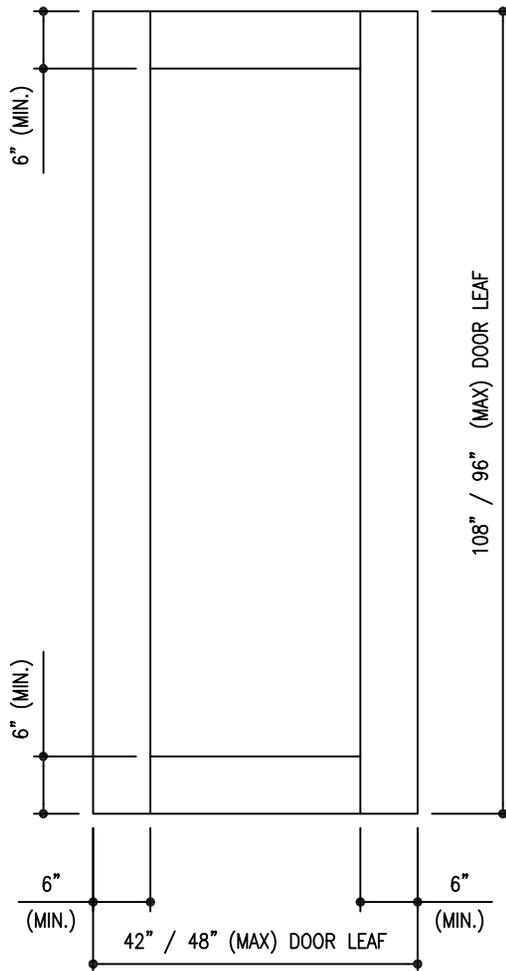
DOOR SIZES (MAXIMUM):

SINGLE: 42" x 108" OR 48" x 96"

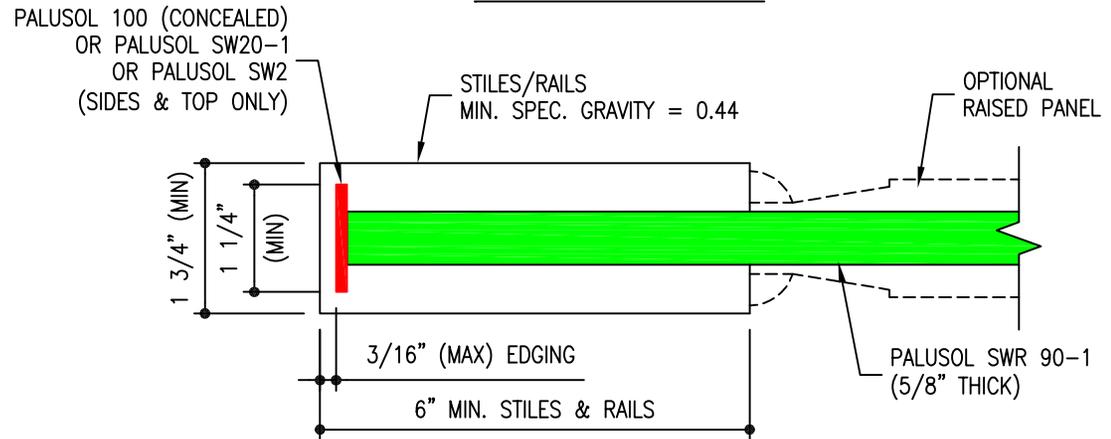
MIN. DOOR THICKNESS: 1 3/4"

LEAF SIZES WIDER THAN 42" OR TALLER THAN 96"

REQUIRE A CORE SPLICE (SEE DRAWING # BASF_DET_01)



STILE & RAIL DETAIL





We create chemistry

60 MINUTE SINGLE DOOR

PALUSOL SW CORE CONSTRUCTION
FLUSH DOOR WITH V-GROOVES

DATE: SEPTEMBER 2016

VERSION 01

PAGE BASF_60_DOOR_04

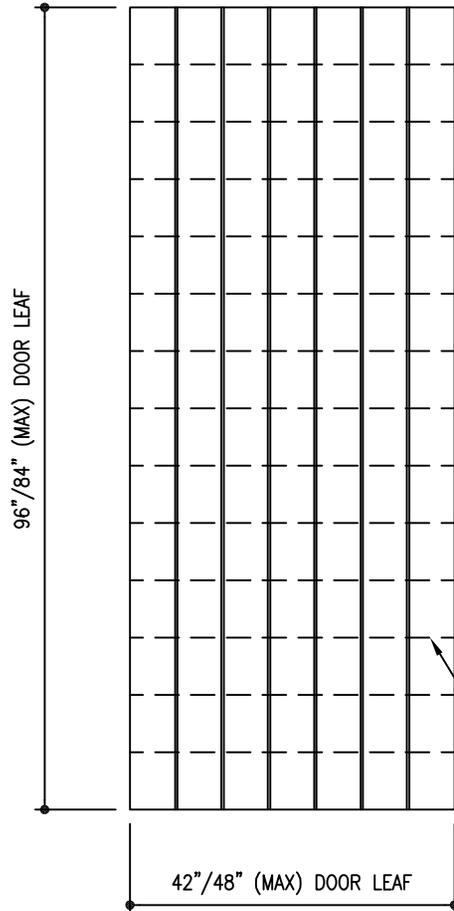
DOOR SIZES (MAXIMUM):

SINGLE: 42" x 96" OR 48" x 84"

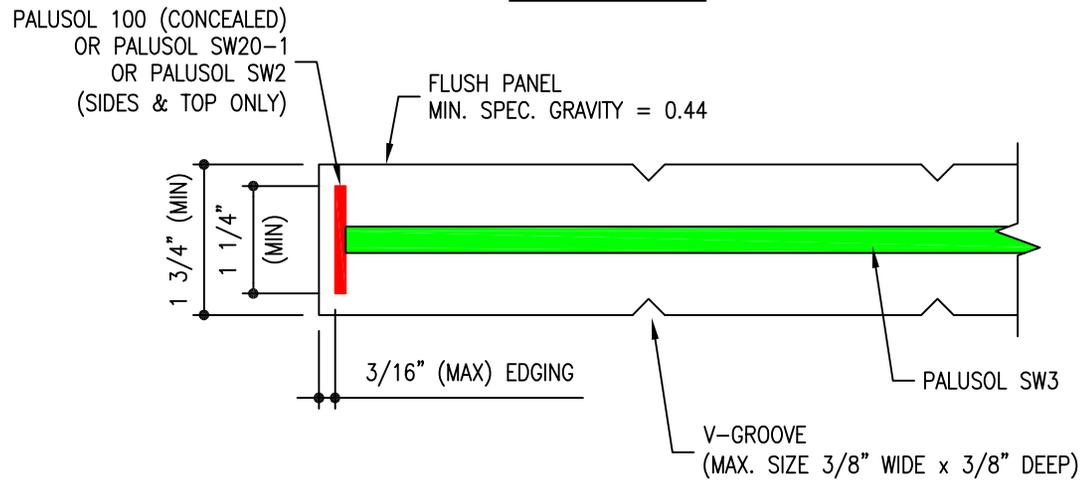
MIN. DOOR THICKNESS: 1 3/4"

LEAF SIZES WIDER THAN 42" OR TALLER THAN 96"

REQUIRE A CORE SPLICE (SEE DRAWING # BASF_DET_01)



DOOR DETAIL





We create chemistry

60 MINUTE STANDARD PAIR

PALUSOL SW CORE CONSTRUCTION
SINGLE OR MULTI PANEL CONFIGURATIONS
WITH FLAT OR RAISED PANELS

DATE: SEPTEMBER 2016

VERSION 01

PAGE BASF_60_DOOR_05

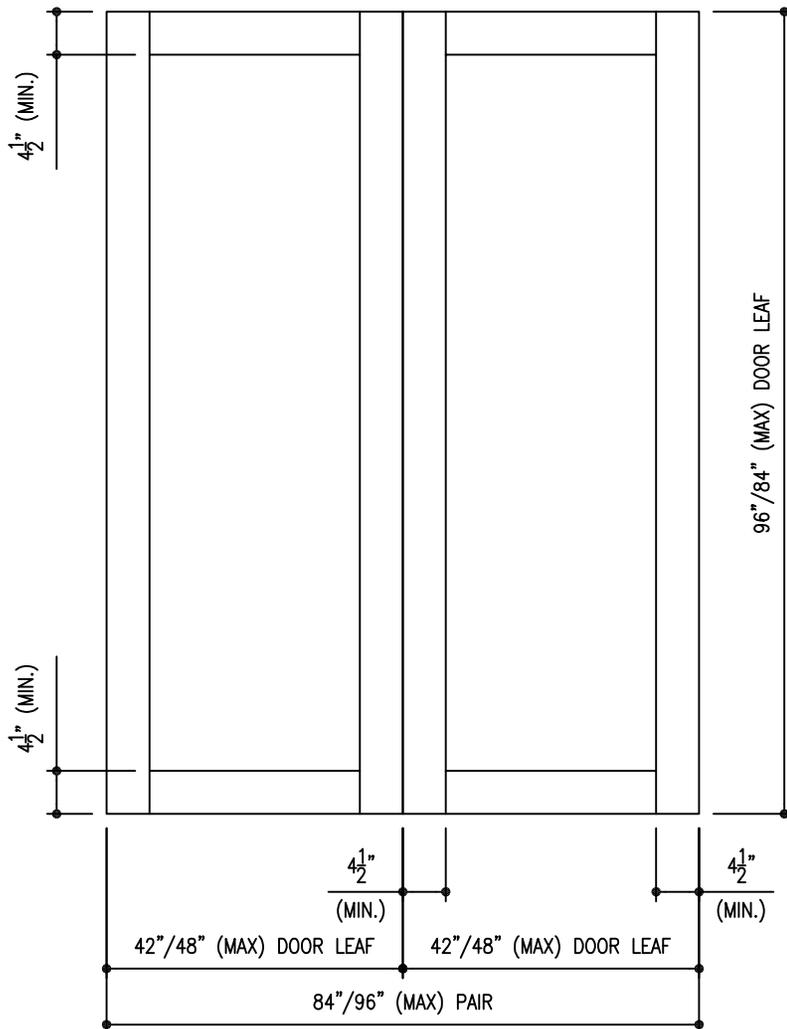
DOOR SIZES (MAXIMUM):

PAIR: 84" x 96" OR 96" x 84"

MIN. DOOR THICKNESS: 1 3/4"

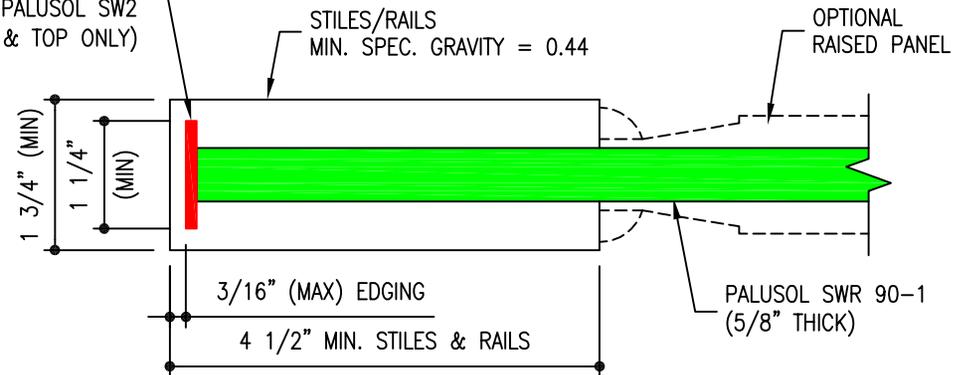
LEAF SIZES WIDER THAN 42" OR TALLER THAN 96"

REQUIRE A CORE SPLICE (SEE DRAWING # BASF_DET_01)



PALUSOL 100 (CONCEALED)
OR PALUSOL SW20-1
OR PALUSOL SW2
(SIDES & TOP ONLY)

STILE & RAIL DETAIL





We create chemistry

60 MINUTE PAIR - DOUBLE EGRESS

PALUSOL SW CORE CONSTRUCTION
SINGLE OR MULTI PANEL CONFIGURATIONS
WITH FLAT OR RAISED PANELS

DATE: SEPTEMBER 2016

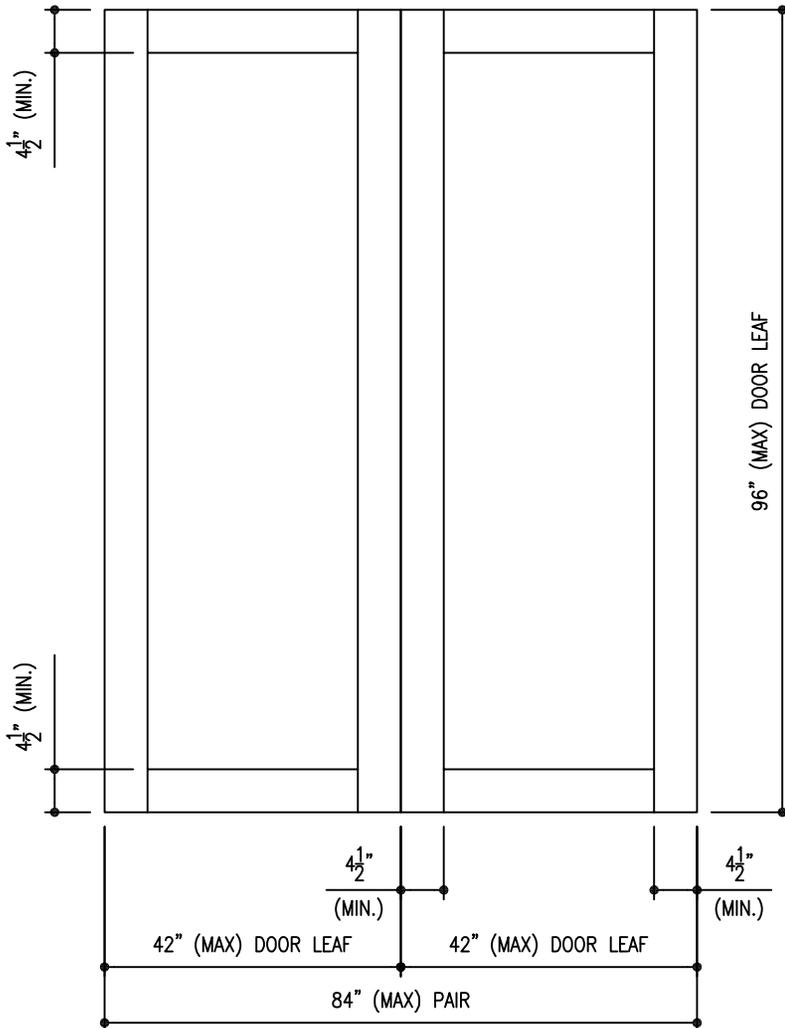
VERSION 01

PAGE BASF_60_DOOR_06

DOOR SIZES (MAXIMUM):

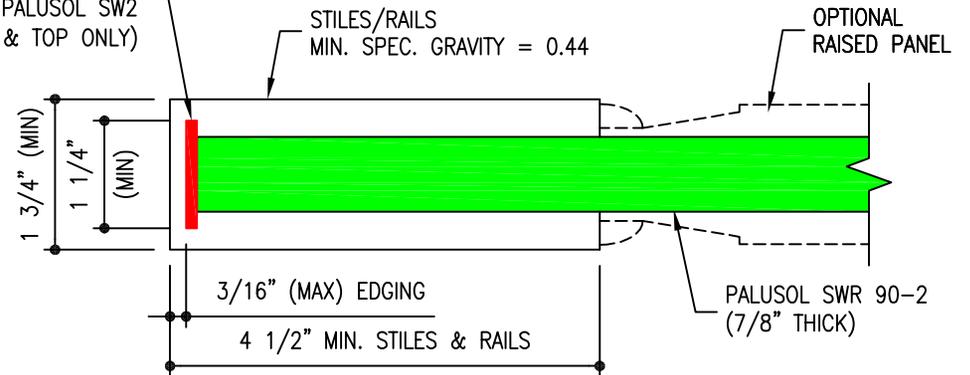
PAIR: 84" x 96"

MIN. DOOR THICKNESS: 1 3/4"



PALUSOL 100 (CONCEALED)
OR PALUSOL SW20-1
OR PALUSOL SW2
(SIDES & TOP ONLY)

STILE & RAIL DETAIL





We create chemistry

60 MINUTE SINGLE DOOR - FULL RADIUS

PALUSOL SW CORE CONSTRUCTION
SINGLE OR MULTI PANEL CONFIGURATIONS
WITH FLAT OR RAISED PANELS

DATE: SEPTEMBER 2016

VERSION 01

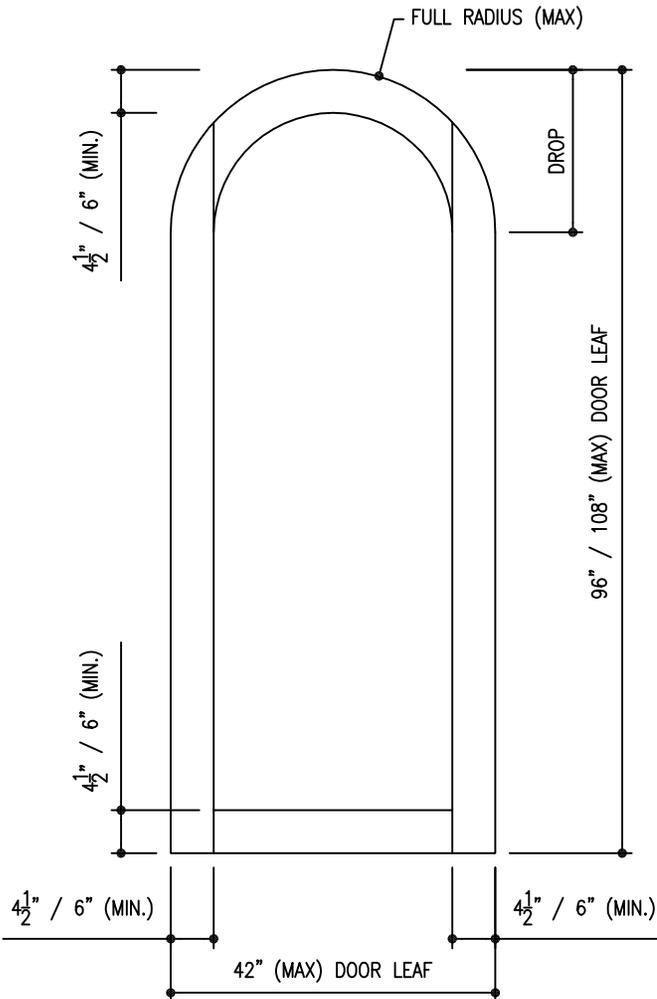
PAGE BASF_60_DOOR_07

DOOR SIZES (MAXIMUM):

SINGLE: 42" x 96" OR 42" x 108"

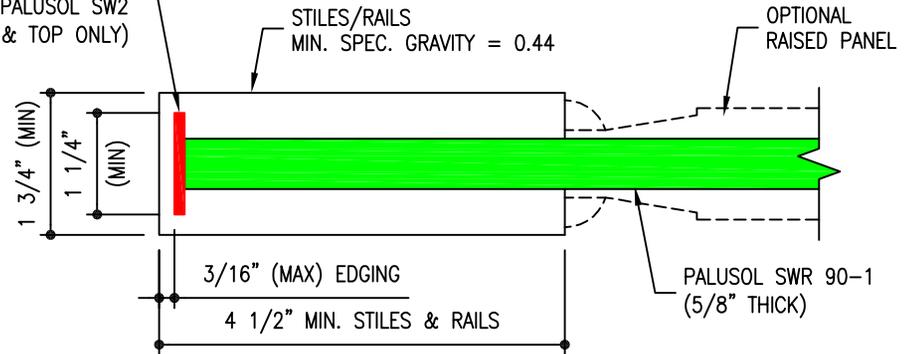
MIN. DOOR THICKNESS: 1 3/4"

LEAF SIZES TALLER THAN 96" REQUIRE A CORE SPLICE
(SEE DRAWING # BASF_DET_01)



PALUSOL 100 (CONCEALED)
OR PALUSOL SW20-1
OR PALUSOL SW2
(SIDES & TOP ONLY)

STILE & RAIL DETAIL (FULL RADIUS)



FULL RADIUS NOTES:

- MINIMUM RADIUS = 0.5 x DOOR WIDTH
- MAXIMUM DROP = 0.5 x DOOR WIDTH
- FLAT OR RAISED PANELS ONLY (NO GLAZINGS)

NOTE:

- 42" x 96" DOORS REQUIRE 4 1/2" (MIN) STILES & RAILS
- 42" x 108" DOORS REQUIRE 6" (MIN) STILES & RAILS



We create chemistry

60 MINUTE - SHALLOW RADIUS (SINGLE OR PAIR)

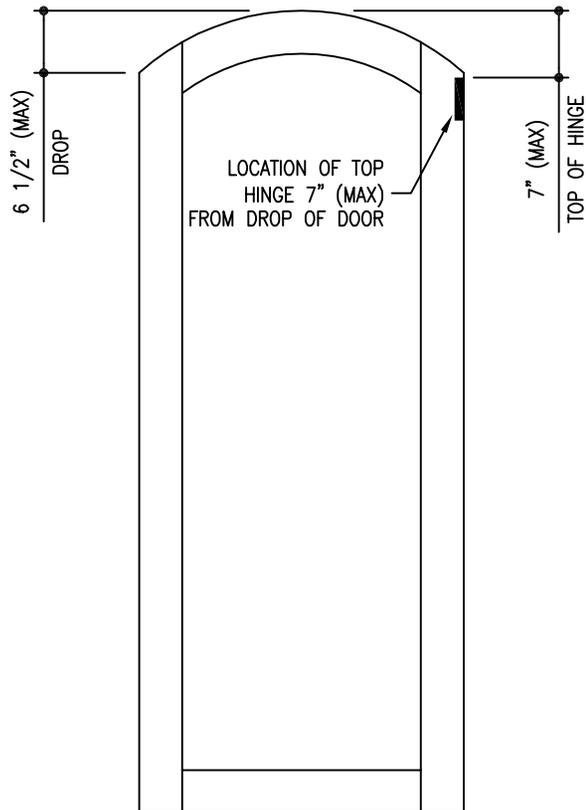
PALUSOL SW CORE CONSTRUCTION
SINGLE OR MULTI PANEL CONFIGURATIONS
WITH FLAT OR RAISED PANELS

DATE: SEPTEMBER 2016

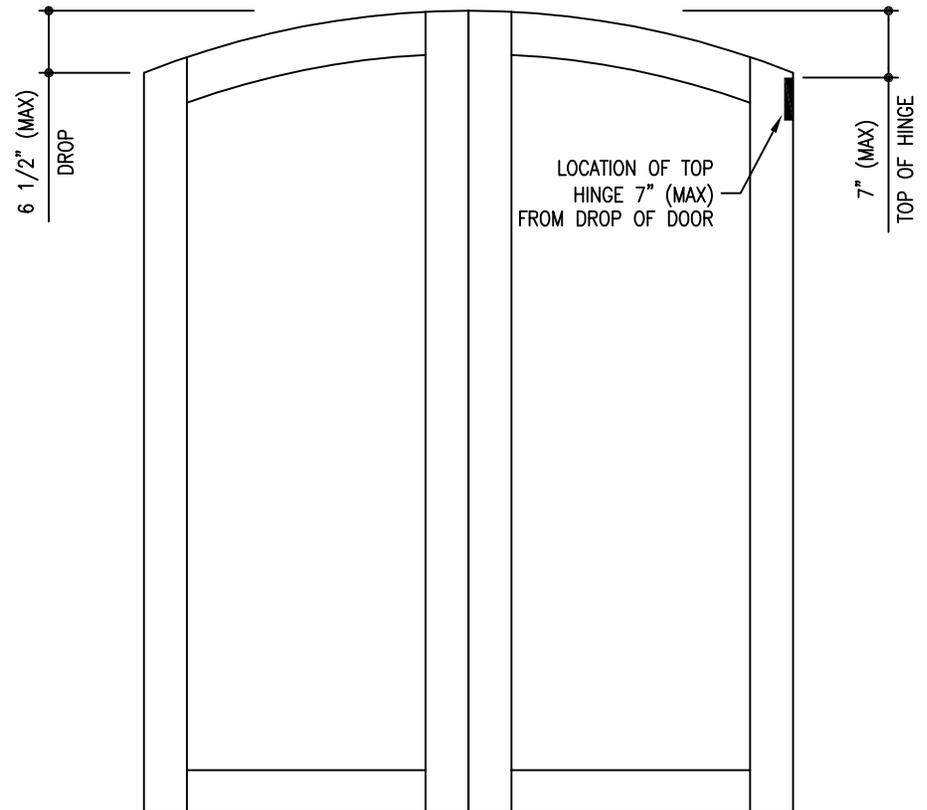
VERSION 01

PAGE BASF_60_DOOR_08

SHALLOW RADIUS - SINGLE



SHALLOW RADIUS - PAIR



SHALLOW RADIUS NOTES:

- ACCEPTABLE FOR ALL 60 MINUTE DOOR CONSTRUCTIONS & SIZES
- FLAT OR RAISED PANELS AND GLAZINGS
- MAXIMUM DROP = 6 1/2"



We create chemistry

60 MINUTE SINGLE DOOR / 60 MINUTE PAIR

SINGLE OR MULTI LITE CONFIGURATIONS WITH CERAMIC GLASS

DATE: SEPTEMBER 2016

VERSION 01

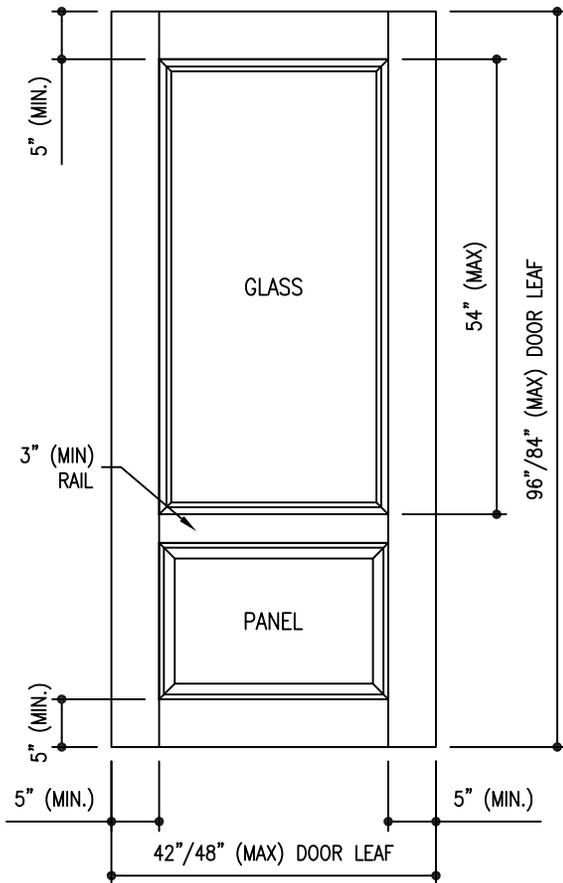
PAGE BASF_60_DOOR_09

DOOR SIZES (MAXIMUM):

SINGLE: 42" x 96" OR 48" x 84"

PAIR: 96" x 96"

MIN. DOOR THICKNESS: 1 3/4"

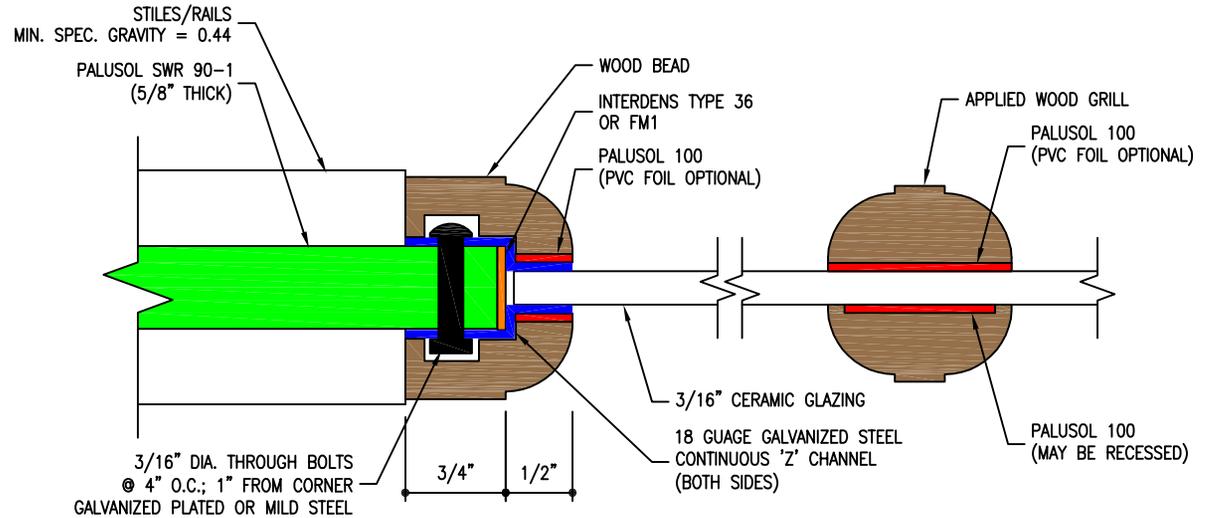


* EXACT GLAZING / PANEL *
CONFIGURATION MAY VARY

60 MINUTE - 'Z' CHANNEL

MAX. AREA OF GLAZING PANEL = 1296 SQ.IN.

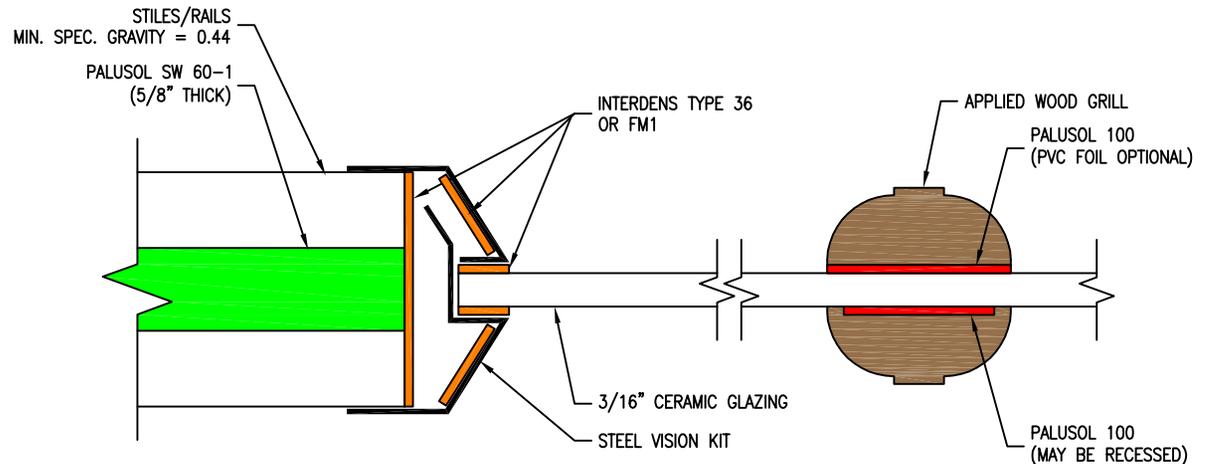
MAX. DIM = 54"



60 MINUTE - STEEL VISION KIT

MAX. AREA OF GLAZING PANEL = 1296 SQ.IN.

MAX. DIM = 54"



NOTES:

- MAXIMUM AREA OF SINGLE GLAZING: 1296 SQ.IN.
- CAN BE USED IN COMBINATION WITH FLAT OR RAISED PANELS
- MULTIPLE GLAZING PANELS ARE PERMITTED WITH COMBINATION OF 3" (MIN.) RAILS
- TOP OF GLAZING PANEL MAY HAVE SHALLOW RADIUS
- MINIMUM DIMENSION BETWEEN HARDWARE CUTOUT AND GLAZING CUTOUT = 1 3/16"



We create chemistry

90 MINUTE SINGLE DOOR

PALUSOL SW CORE CONSTRUCTION
SINGLE OR MULTI PANEL CONFIGURATIONS
WITH FLAT OR RAISED PANELS

DATE: SEPTEMBER 2016

VERSION 01

PAGE BASF_90_DOOR_01

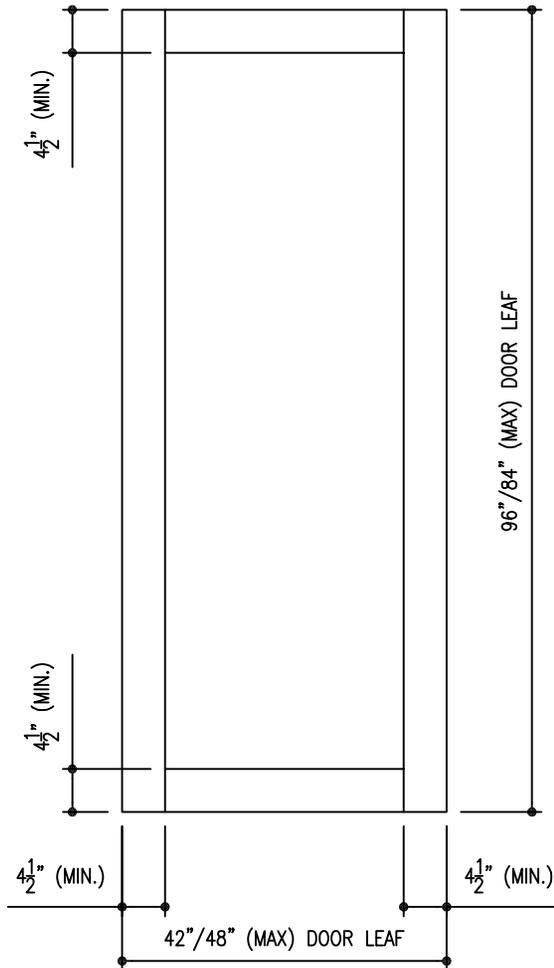
DOOR SIZES (MAXIMUM):

SINGLE: 42" x 96" OR 48" x 84"

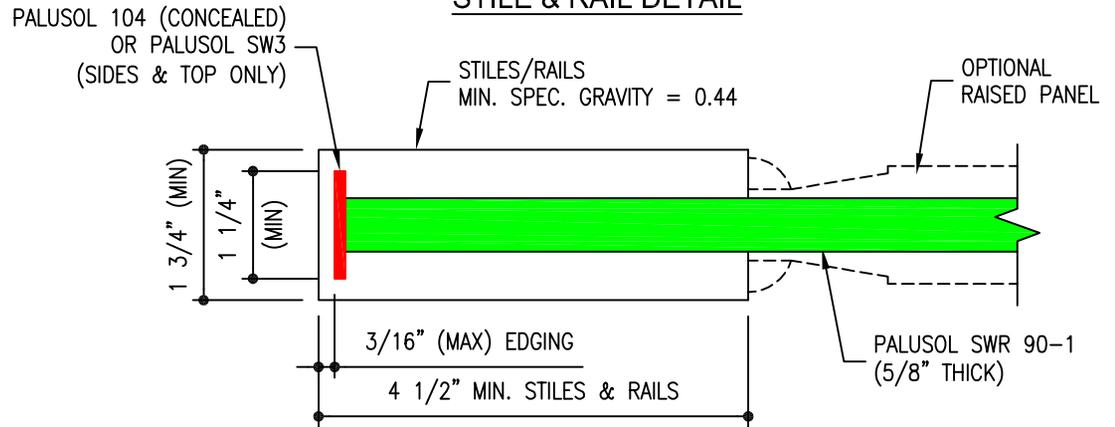
MIN. DOOR THICKNESS: 1 3/4"

LEAF SIZES WIDER THAN 42" OR TALLER THAN 96"

REQUIRE A CORE SPLICE (SEE DRAWING # BASF_DET_01)



STILE & RAIL DETAIL





We create chemistry

90 MINUTE SINGLE DOOR

PALUSOL SW CORE CONSTRUCTION
SINGLE OR MULTI PANEL CONFIGURATIONS
WITH FLAT OR RAISED PANELS

DATE: SEPTEMBER 2016

VERSION 01

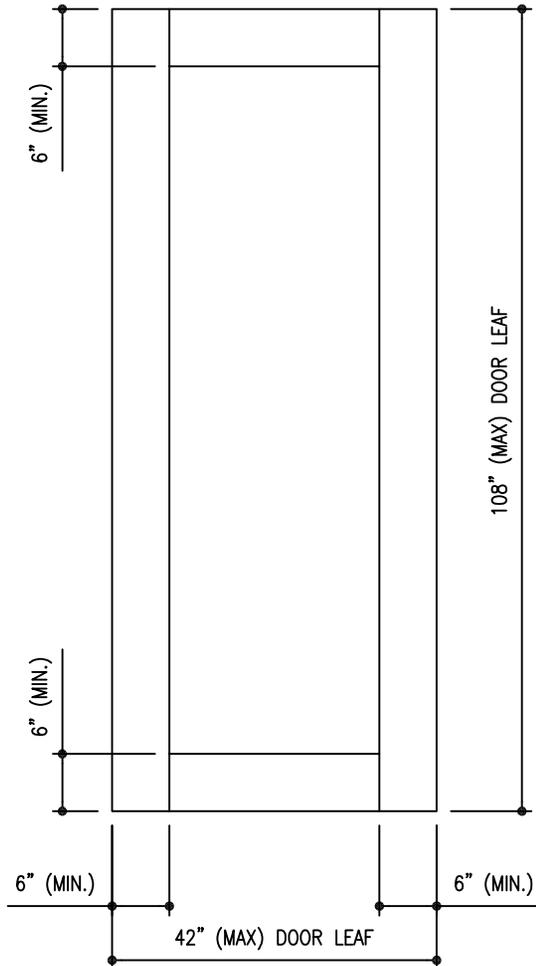
PAGE BASF_90_DOOR_02

DOOR SIZES (MAXIMUM):

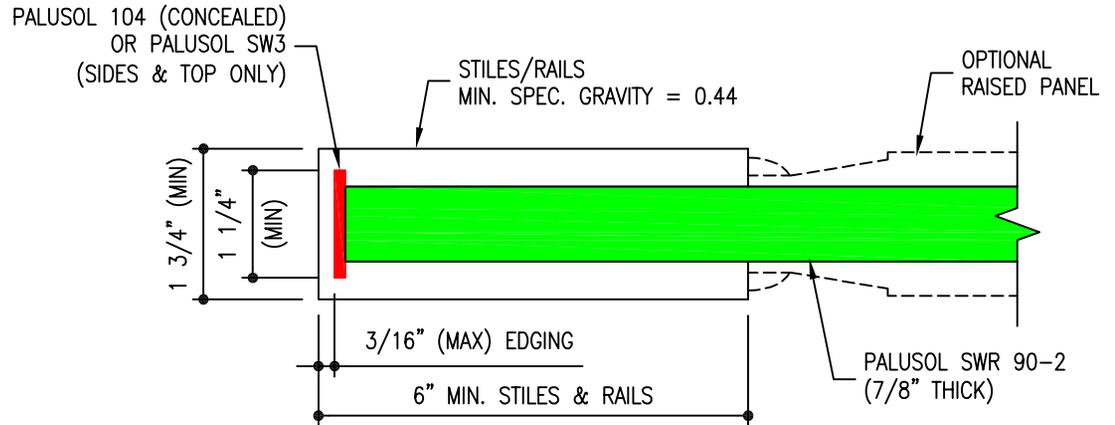
SINGLE: 42" x 108"

MIN. DOOR THICKNESS: 1 3/4"

LEAF SIZES TALLER THAN 96" REQUIRE A CORE SPLICE
(SEE DRAWING # BASF_DET_01)



STILE & RAIL DETAIL





We create chemistry

90 MINUTE SINGLE DOOR

PALUSOL SW CORE CONSTRUCTION
SINGLE OR MULTI PANEL CONFIGURATIONS
RAISED PANELS

DATE: SEPTEMBER 2016

VERSION 01

PAGE BASF_90_DOOR_03

DOOR SIZES (MAXIMUM):

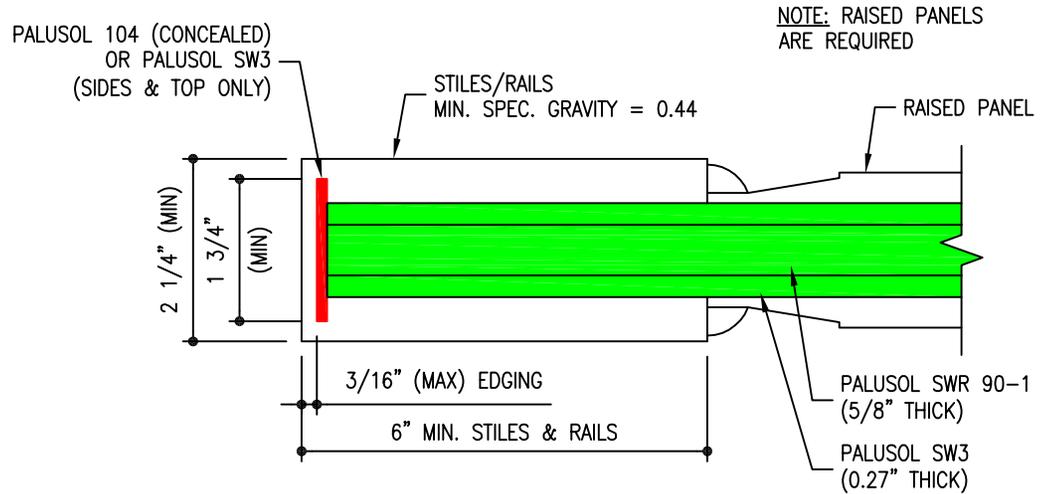
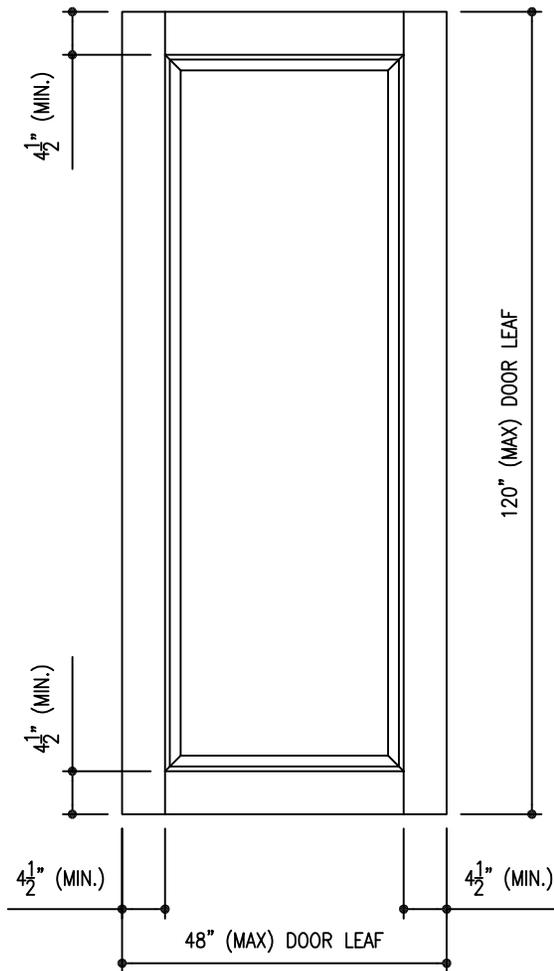
SINGLE: 48" x 120"

MIN. DOOR THICKNESS: 2 1/4"

LEAF SIZES WIDER THAN 42" OR TALLER THAN 96"

REQUIRE A CORE SPLICE (SEE DRAWING # BASF_DET_01)

STILE & RAIL DETAIL





We create chemistry

90 MINUTE STANDARD PAIR

PALUSOL SW CORE CONSTRUCTION
SINGLE OR MULTI PANEL CONFIGURATIONS
WITH FLAT OR RAISED PANELS

DATE: SEPTEMBER 2016

VERSION 01

PAGE BASF_90_DOOR_04

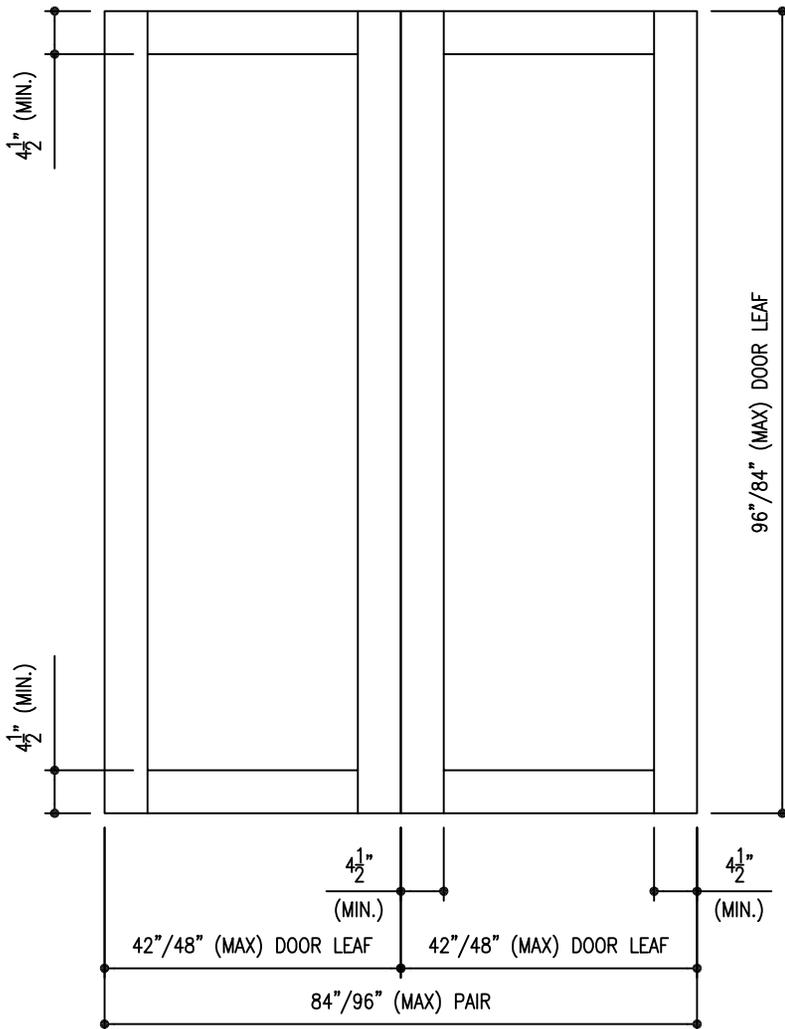
DOOR SIZES (MAXIMUM):

PAIR: 84" x 96" OR 96" x 84"

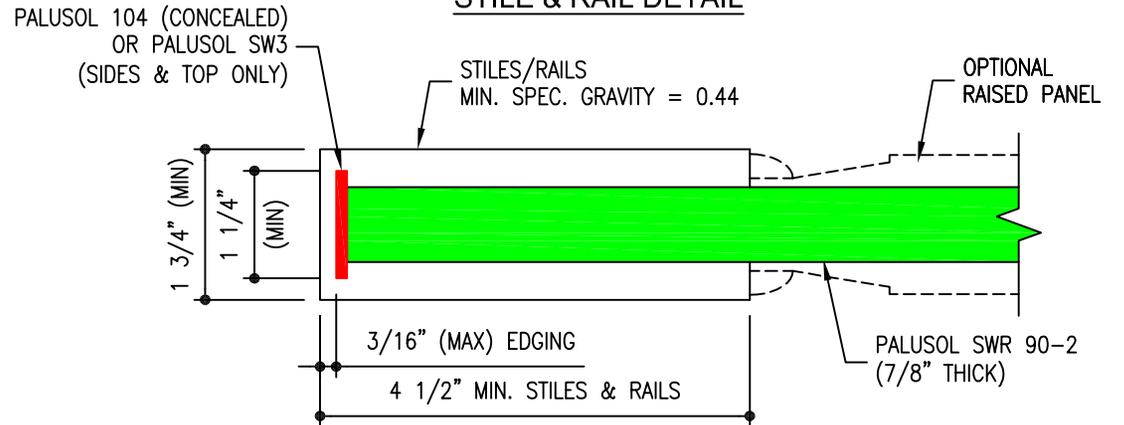
MIN. DOOR THICKNESS: 1 3/4"

LEAF SIZES WIDER THAN 42" OR TALLER THAN 96"

REQUIRE A CORE SPLICE (SEE DRAWING # BASF_DET_01)



STILE & RAIL DETAIL





We create chemistry

90 MINUTE STANDARD PAIR

PALUSOL SW CORE CONSTRUCTION
FLUSH DOOR ONLY

DATE: SEPTEMBER 2016

VERSION 01

PAGE BASF_90_DOOR_05

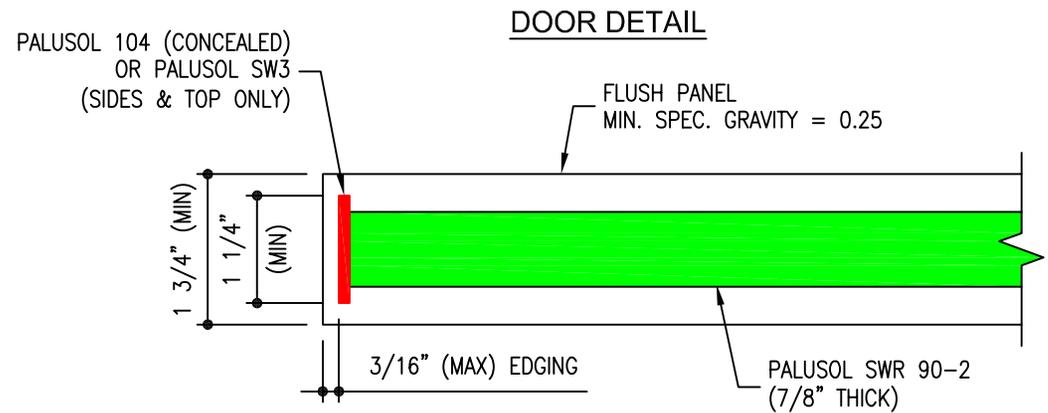
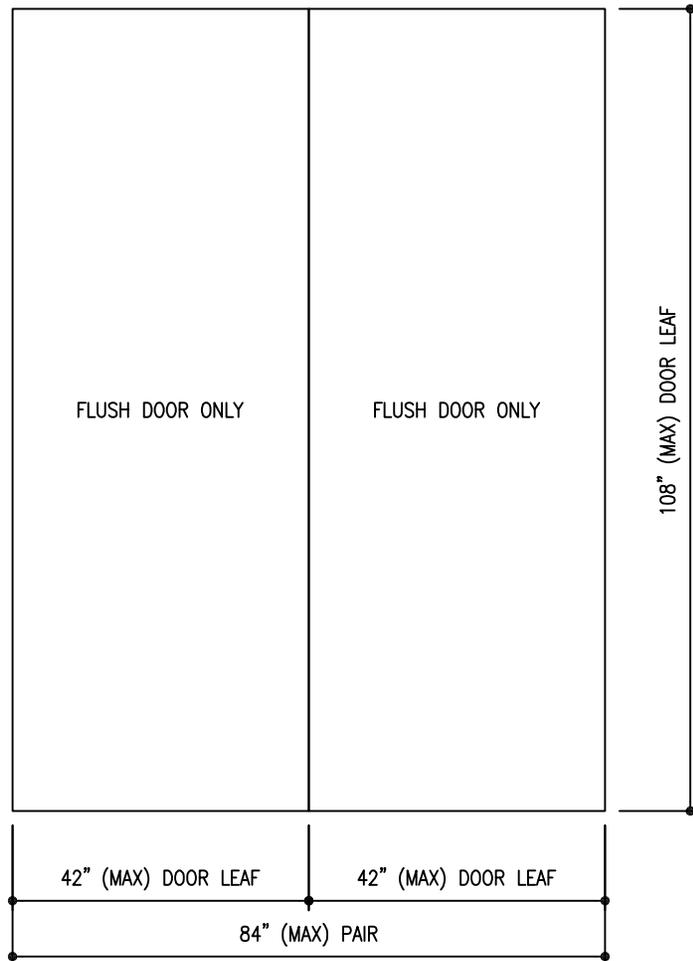
DOOR SIZES (MAXIMUM):

PAIR: 84" x 108"

MIN. DOOR THICKNESS: 1 3/4"

LEAF SIZES TALLER THAN 96" REQUIRE A CORE SPLICE

(SEE DRAWING # BASF_DET_01)





We create chemistry

90 MINUTE PAIR - DOUBLE EGRESS

PALUSOL SW CORE CONSTRUCTION
SINGLE OR MULTI PANEL CONFIGURATIONS
WITH RAISED PANELS

DATE: SEPTEMBER 2016

VERSION 01

PAGE BASF_90_DOOR_06

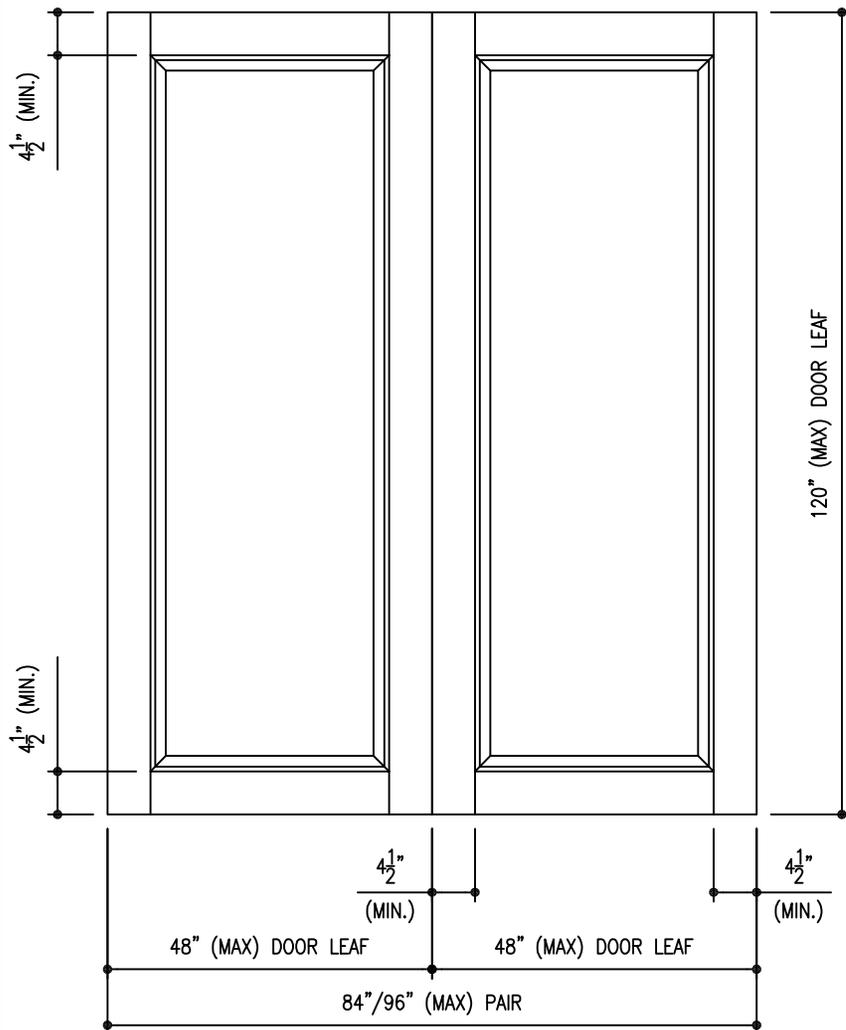
DOOR SIZES (MAXIMUM):

PAIR: 96" x 120"

MIN. DOOR THICKNESS: 2 1/4"

LEAF SIZES WIDER THAN 42" OR TALLER THAN 96"

REQUIRE A CORE SPLICE (SEE DRAWING # BASF_DET_01)

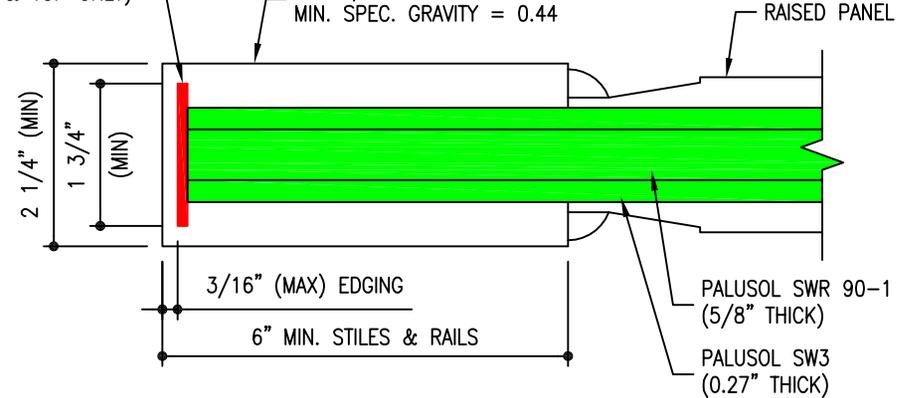


STILE & RAIL DETAIL

PALUSOL 104 (CONCEALED)
OR PALUSOL SW3
(SIDES & TOP ONLY)

STILES/RAILS
MIN. SPEC. GRAVITY = 0.44

NOTE: RAISED PANELS
ARE REQUIRED





We create chemistry

90 MINUTE - SHALLOW RADIUS (SINGLE OR PAIR)

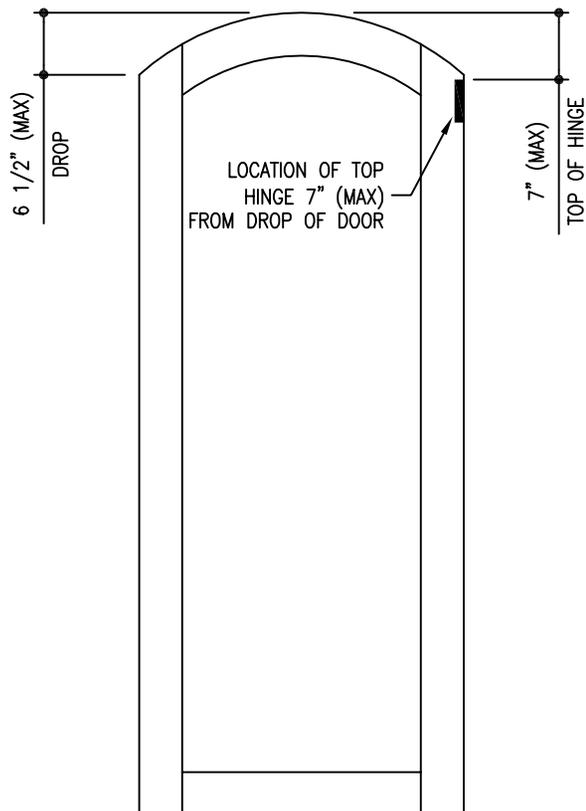
PALUSOL SW CORE CONSTRUCTION
SINGLE OR MULTI PANEL CONFIGURATIONS
WITH FLAT OR RAISED PANELS

DATE: SEPTEMBER 2016

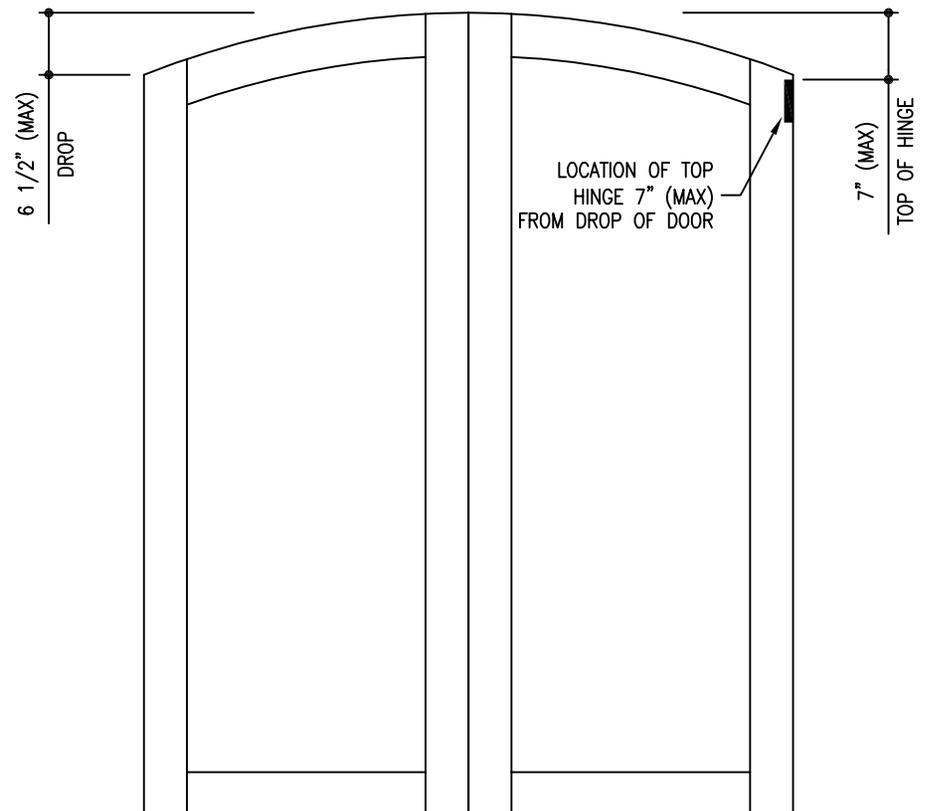
VERSION 01

PAGE BASF_90_DOOR_07

SHALLOW RADIUS - SINGLE



SHALLOW RADIUS - PAIR



SHALLOW RADIUS NOTES:

- ACCEPTABLE FOR ALL 90 MINUTE DOOR CONSTRUCTIONS & SIZES
- FLAT OR RAISED PANELS AND GLAZINGS
- MAXIMUM DROP = 6 1/2"

**** FULL RADIUS NOT AVAILABLE FOR 90 MINUTE ****



We create chemistry

90 MINUTE SINGLE DOOR / 90 MINUTE PAIR

SINGLE OR MULTI LITE CONFIGURATIONS WITH CERAMIC GLASS

DATE: SEPTEMBER 2016

VERSION 01

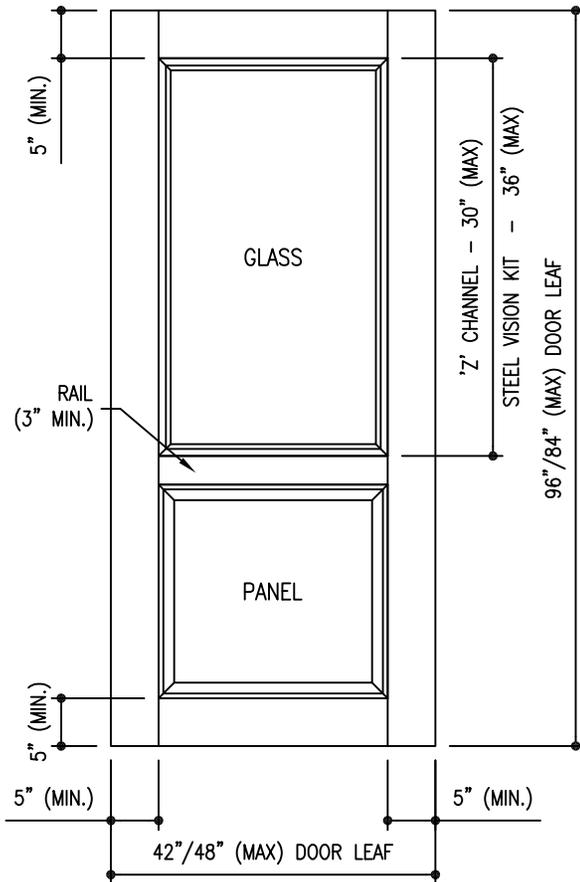
PAGE BASF_90_DOOR_08

DOOR SIZES (MAXIMUM):

SINGLE: 42" x 96" OR 48" x 84"

PAIR: 84" x 96" OR 96" x 84"

MIN. DOOR THICKNESS: 1 3/4"

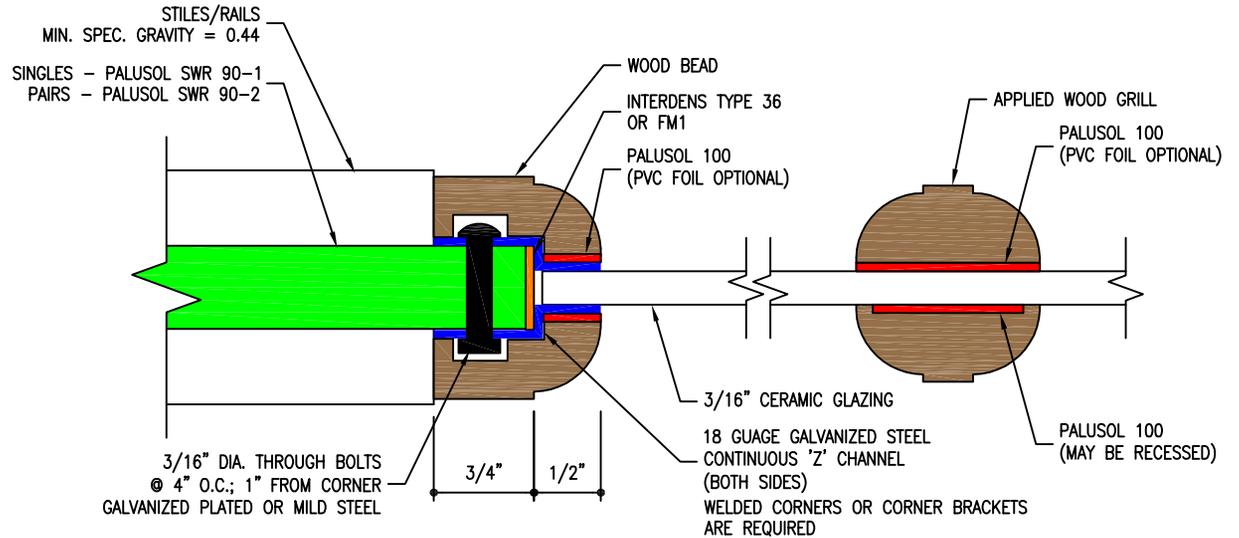


* EXACT GLAZING / PANEL *
CONFIGURATION MAY VARY

90 MINUTE - 'Z' CHANNEL

MAX. AREA OF GLAZING PANEL = 600 SQ.IN.

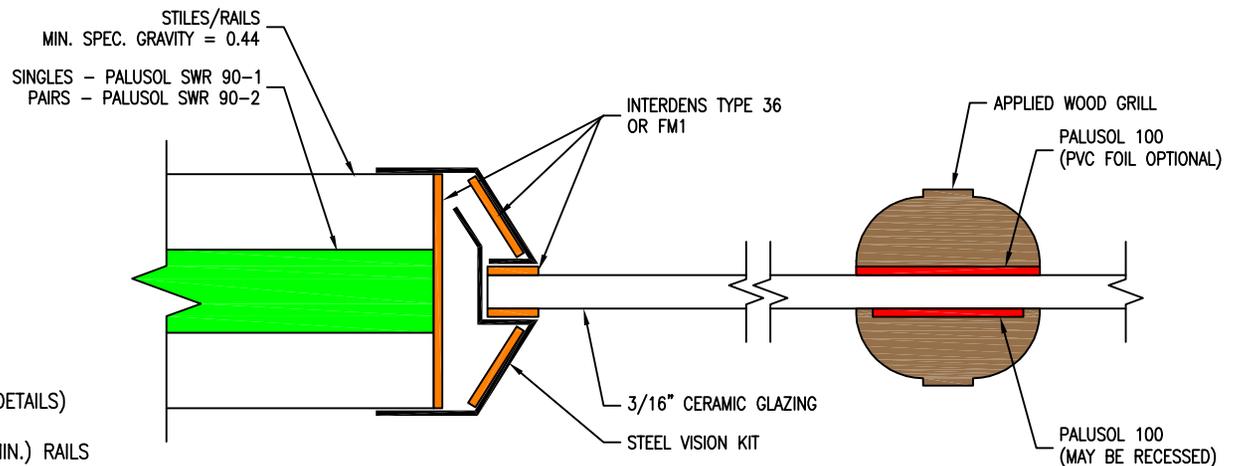
MAX. DIM = 30"



90 MINUTE - STEEL VISION KIT

MAX. SIZE OF GLAZING PANEL = 1080 SQ.IN.

MAX. DIM = 36"



NOTES:

- MAXIMUM AREA OF SINGLE GLAZING: 600 SQ.IN. OR 1080 SQ.IN. (SEE DETAILS)
- CAN BE USED IN COMBINATION WITH FLAT OR RAISED PANELS
- MULTIPLE GLAZING PANELS ARE PERMITTED WITH COMBINATION OF 3" (MIN.) RAILS
- TOP OF GLAZING PANEL MAY HAVE SHALLOW RADIUS
- MINIMUM DIMENSION BETWEEN HARDWARE CUTOUT AND GLAZING CUTOUT = 1 3/16"



We create chemistry

CONSTRUCTION DETAILS

SPLICING FOR OVERSIZED SW PANELS

DATE: SEPTEMBER, 2016

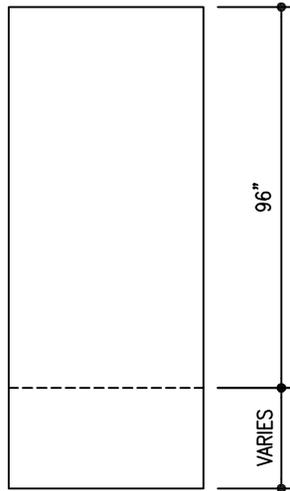
VERSION 01

PAGE BASF_DET_01

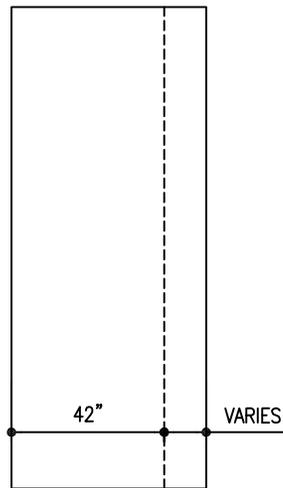
CORE ASSEMBLY DETAILS

TYPICAL SPLICING DETAIL FOR DOORS
OVER 42" WIDE OR 96" TALL

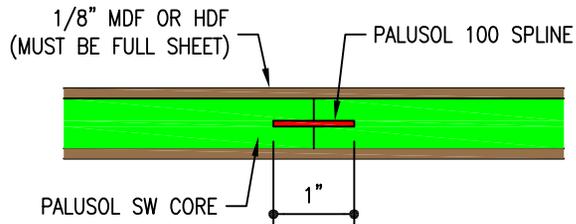
TYPICAL HORIZONTAL SPLINE



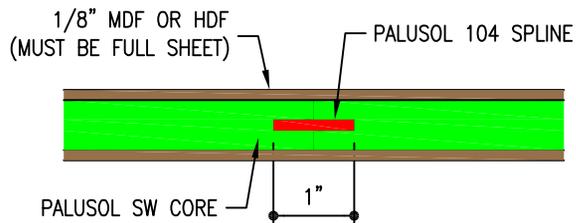
TYPICAL VERTICAL SPLINE



20, 45 & 60 MINUTE RATINGS

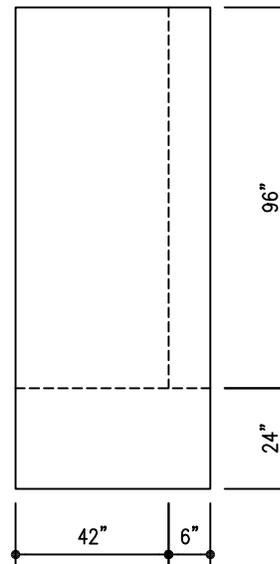


90 MINUTE RATINGS

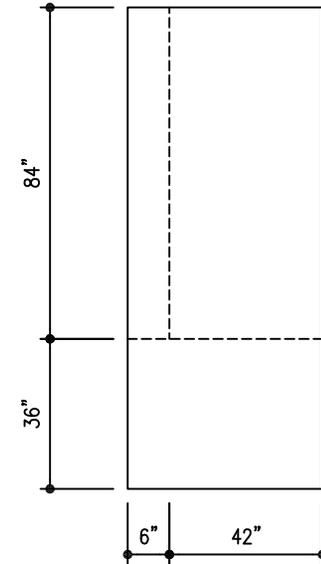


CORE ASSEMBLY DETAILS

90 MINUTE DOUBLE EGRESS DOORS
OVER 42" WIDE OR 84" TALL

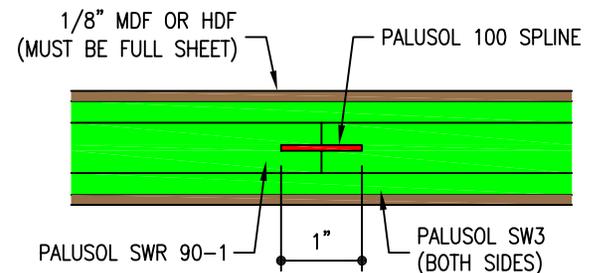


PALUSOL SWR 90-1 CORE
SPLINED TOGETHER WITH
1" PALUSOL 100 SPLINE



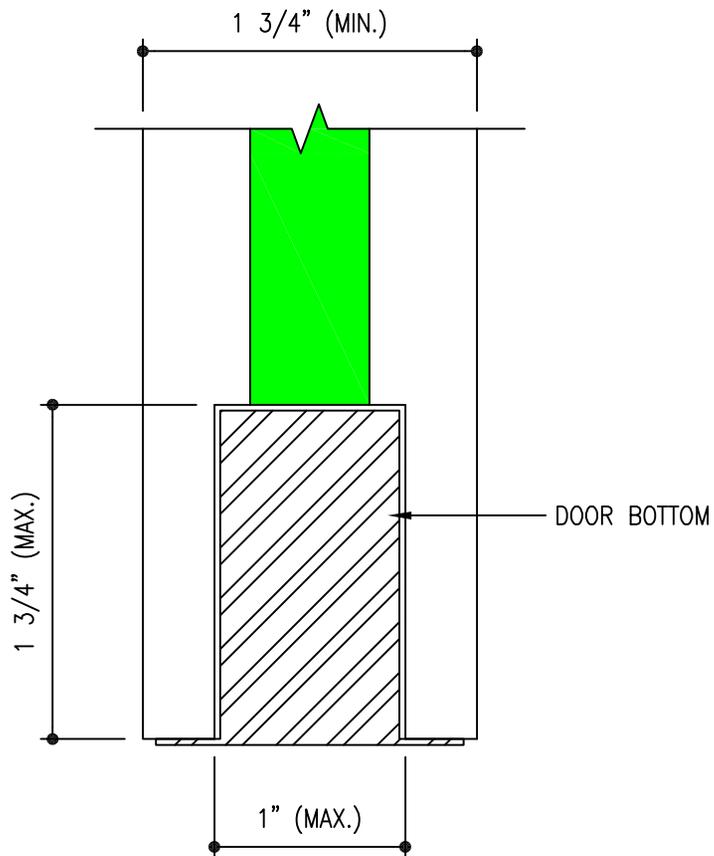
PALUSOL SW 3 BUTT
JOINTED ON BOTH SIDES OF
THE PALUSOL SWR 90-1 CORE

90 MINUTE DOUBLE EGRESS



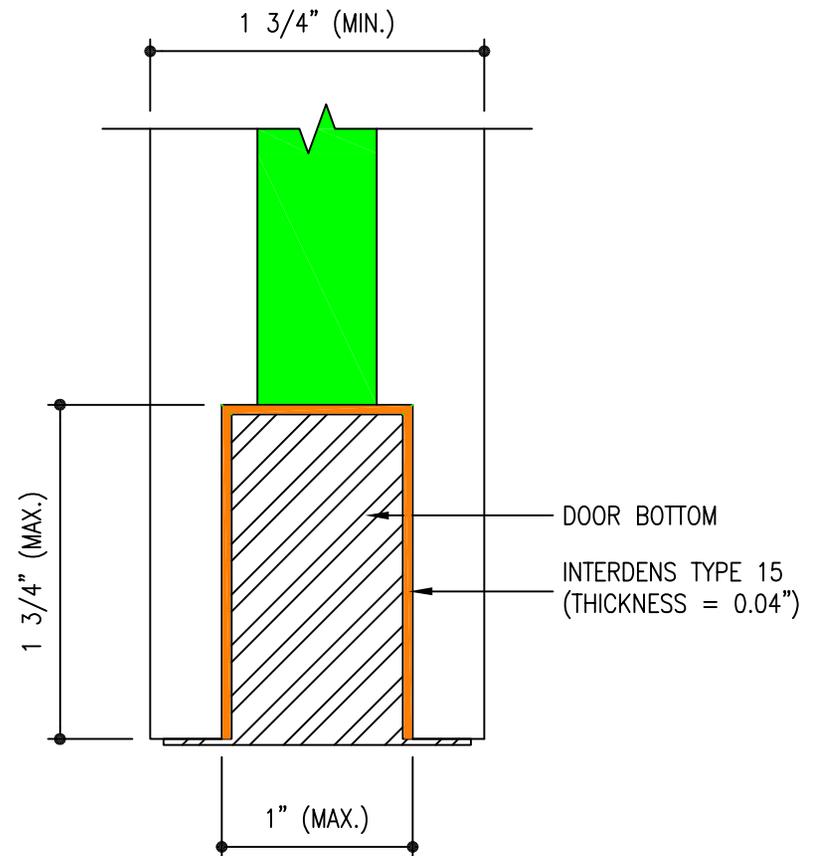
20, 45 & 60 MINUTE DOORS

NOTE: NO INTUMESCENT REQUIRED



90 MINUTE DOORS

NOTE: INTUMESCENT IS REQUIRED AROUND DOOR BOTTOM

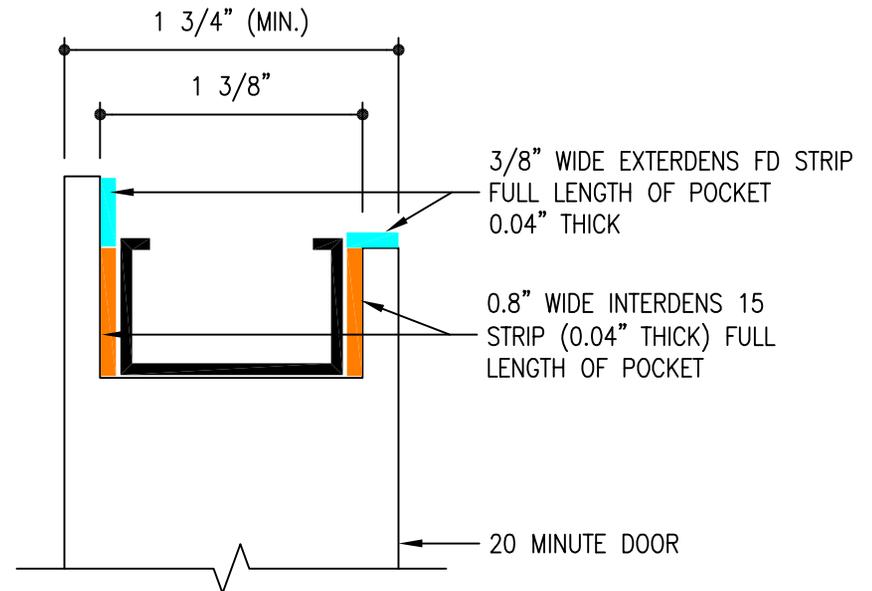
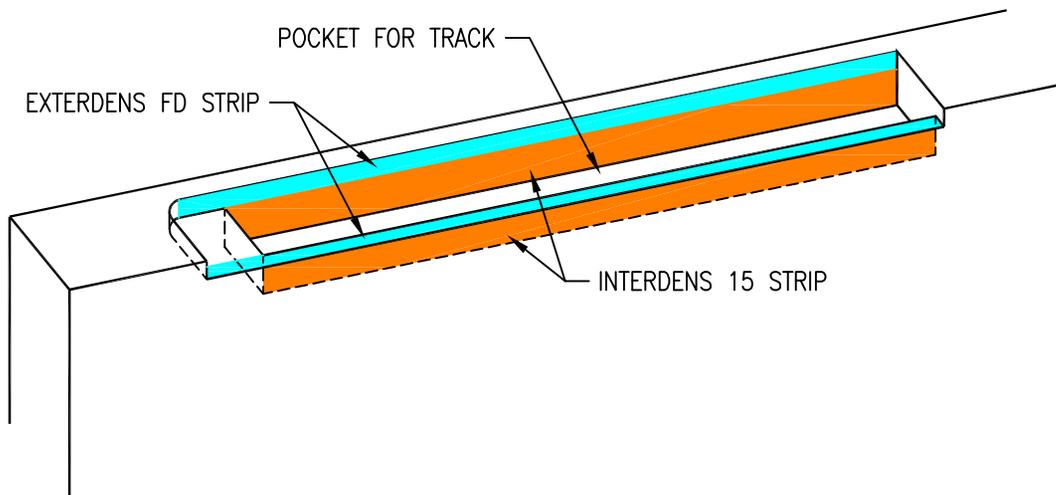


CONCEALED CLOSERS

20 MINUTE DETAILS

NOTES:

- RATED CONCEALED CLOSER IS REQUIRED (EX. DORMA ITS 96-1)
- MAX. SIZE OF POCKET = $17 \frac{5}{16}$ " x $1 \frac{1}{4}$ " x $1 \frac{3}{8}$ "
- TRACK IS LOCATED IN TOP RAIL OF DOOR
- CLOSER IS LOCATED IN HOLLOW METAL FRAME

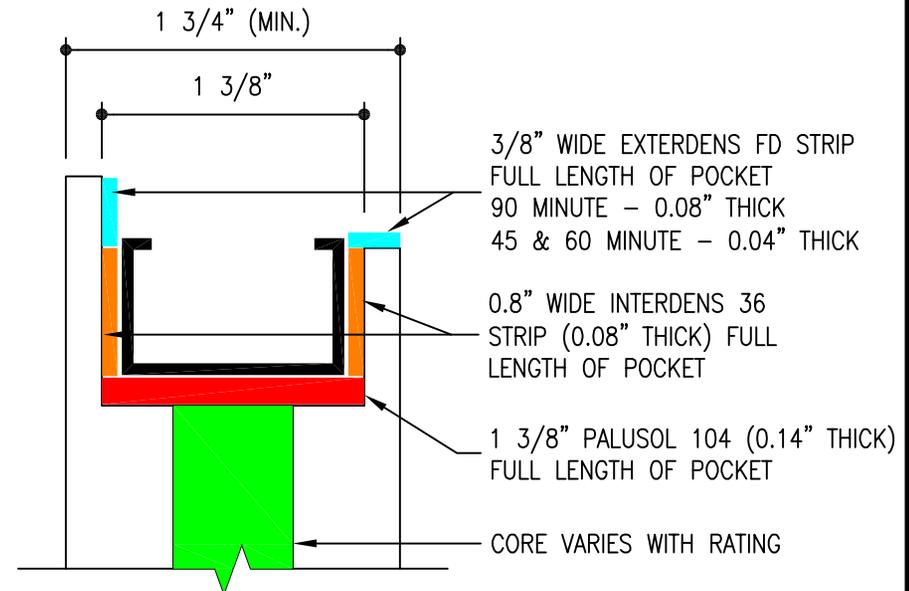
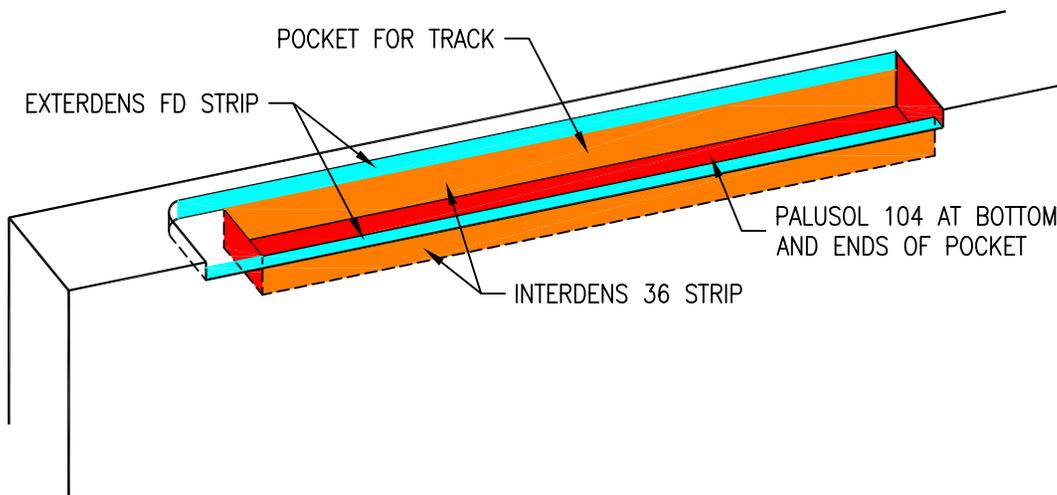


CONCEALED CLOSERS

45, 60 AND 90 MINUTE DETAILS

NOTES:

- RATED CONCEALED CLOSER IS REQUIRED (EX. DORMA ITS 96-1)
- MAX. SIZE OF POCKET = 17 5/16" x 1 1/4" x 1 3/8"
- TRACK IS LOCATED IN TOP RAIL OF DOOR
- CLOSER IS LOCATED IN HOLLOW METAL FRAME

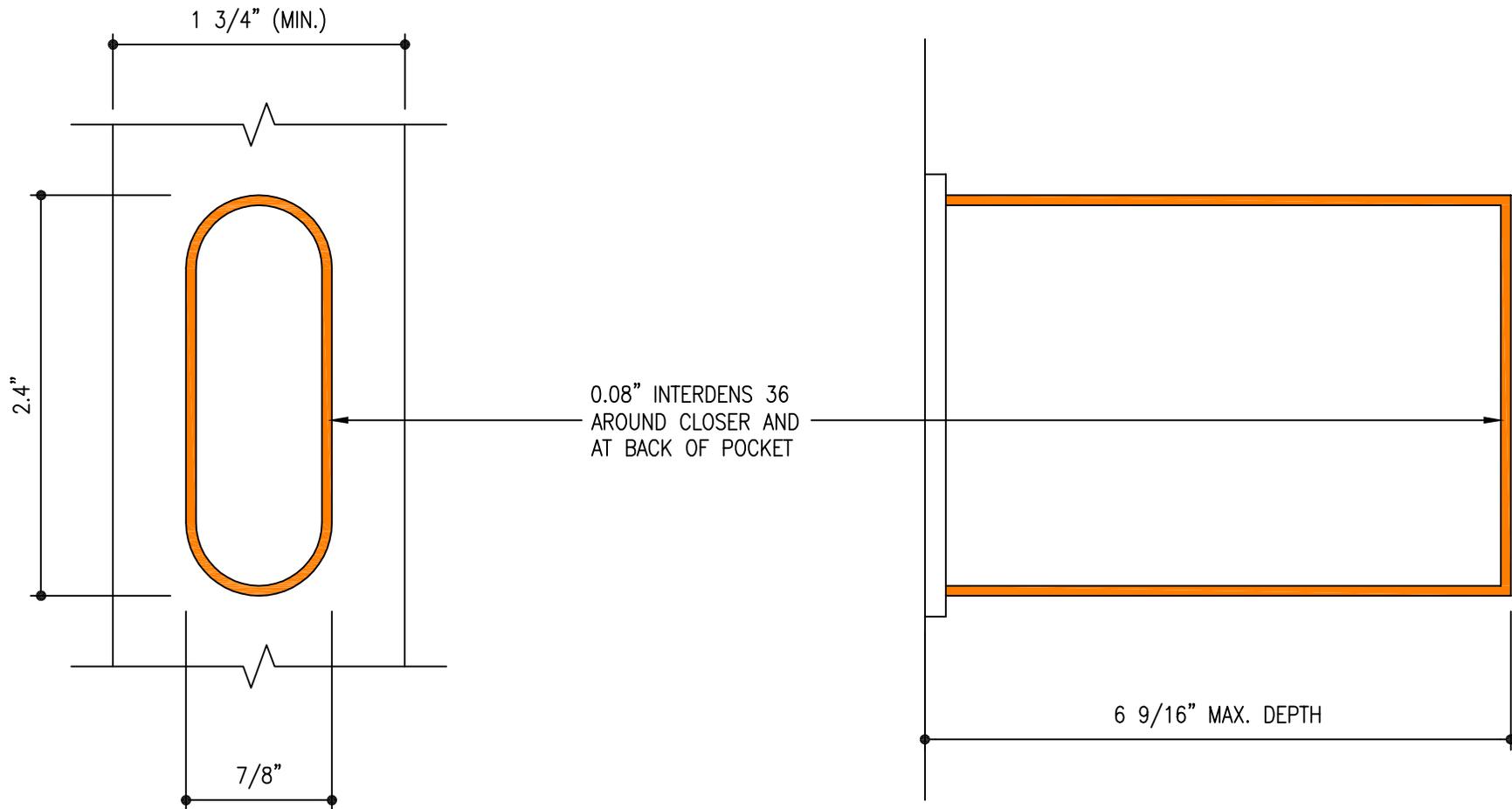


CONCEALED CLOSERS

PERKOMATIC CONCEALED CLOSERS – UP TO 90 MINUTE

NOTES:

- MAX. SIZE OF POCKET = 7/8" x 2.4" x 6 9/16"
- PERKO R2 CLOSER IS ALSO PERMITTED





We create chemistry

CONSTRUCTION DETAILS

CONCEALED VERTICAL ROD EXIT DEVICE – UP TO 60 MINUTE

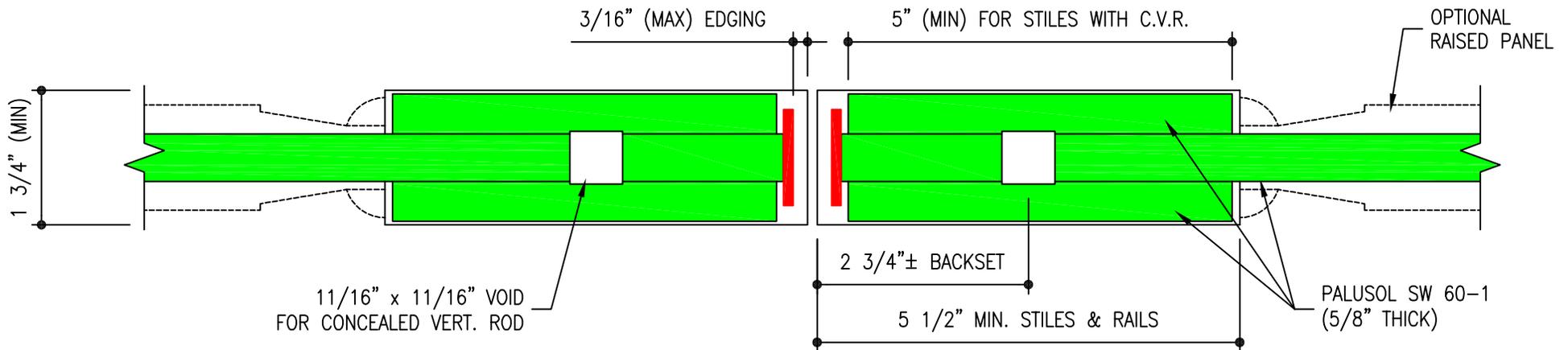
DATE: SEPTEMBER, 2016

VERSION 01

PAGE BASF_DET_06

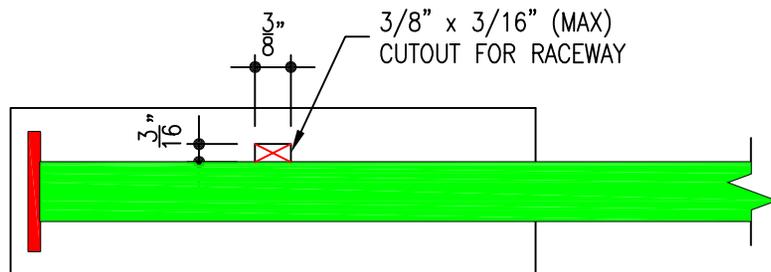
CONCEALED VERTICAL ROD EXIT DEVICE

ALL PANEL CONFIGURATIONS (RAISED OR FLAT) AND/OR GLASS CONFIGURATIONS
FIRE RATING UP TO 60 MINUTE

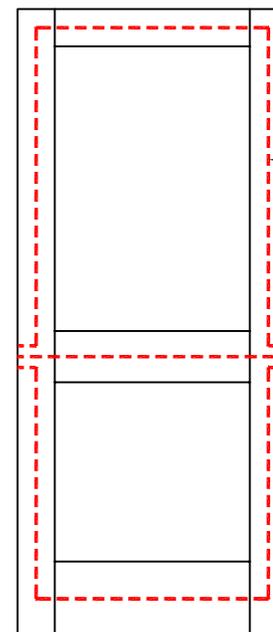


RACEWAY DETAILS

RACEWAYS ARE PERMITTED FOR ALL RATINGS AND DOOR SIZES



OPTIONAL RACEWAY LOCATIONS



LOCATION VARIES DEPENDING
ON STILE & RAIL LAYOUT



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CONSTRUCTION DETAILS

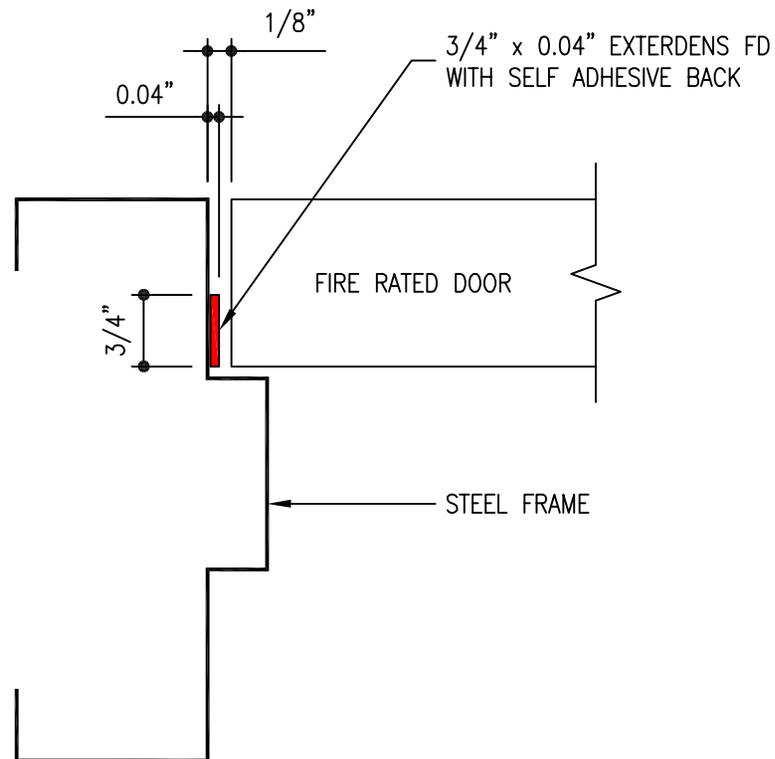
45 MINUTE EXTERDENS PEEL AND STICK

DATE: SEPTEMBER, 2016

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MAXIMUM DOOR SIZE: 42" x 96"
MINIMUM DOOR THICKNESS: 1 3/4"





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CONSTRUCTION DETAILS

AUTOMATIC FLUSH BOLTS – UP TO 60 MINUTE

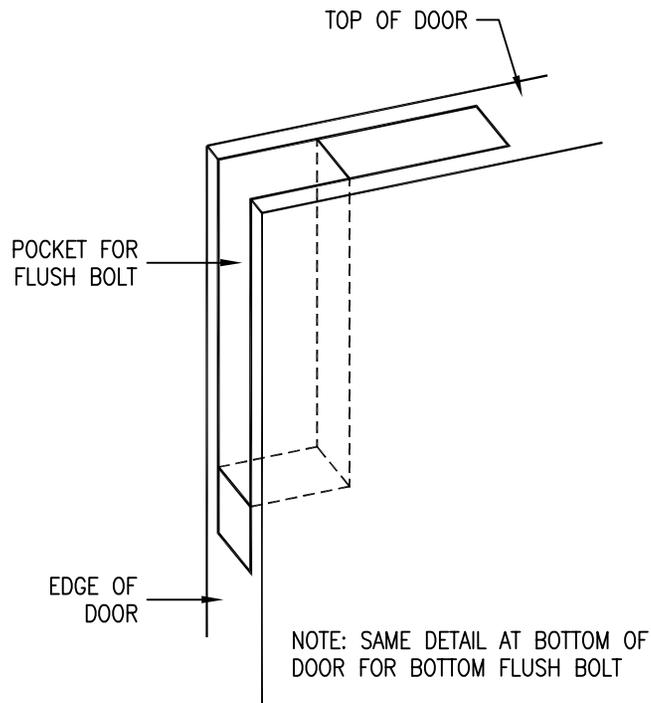
DATE: SEPTEMBER, 2016

VERSION 01

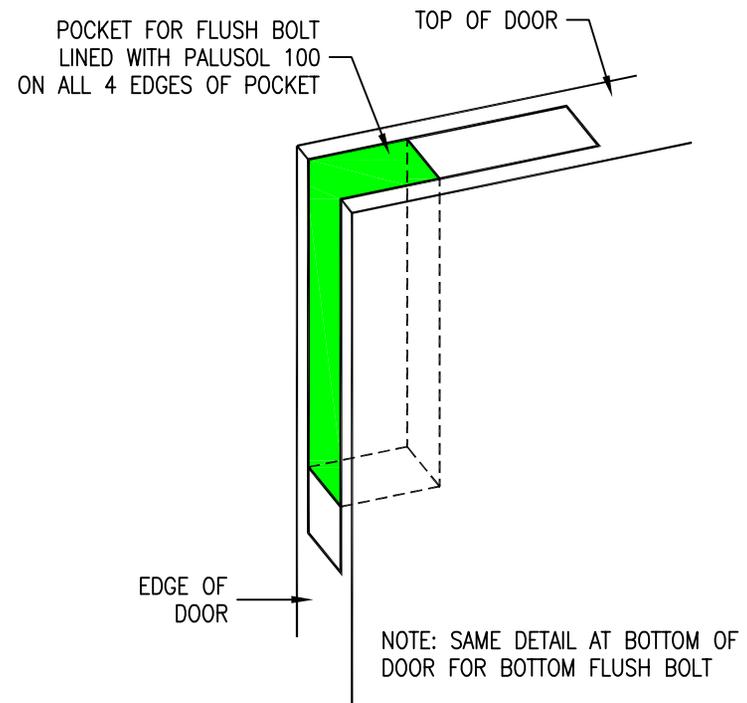
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AUTOMATIC FLUSH BOLTS

20, 45, AND 60 MINUTE DETAILS



20 & 45 MINUTE
NO INTUMESCENT REQUIRED



60 MINUTE
LINED WITH PALUSOL 100