

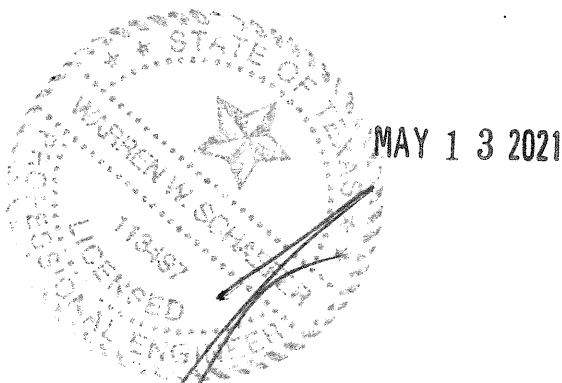
W. W. Schaefer Engineering & Consulting, P.A. (Reg. #F-14980)

7480 150th Court North
Palm Beach Gardens, FL 33418
Phone (561)744-3424

**SIERRA PACIFIC WINDOWS
FEEL-SAFE ALUMINUM CLAD WOOD BI-
FOLD DOORS**

**APPLICABLE PANEL CONFIGURATIONS
(2, 3, 4, 5, 6, 7 & 8 PANEL WIDE DOORS)**

**QUALIFIED OFF DOORS TESTED UNDER
QUAST CONSULTING & TESTING, INC. TEST
REPORT NO. QTC17-4534.01-R1**

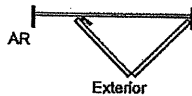
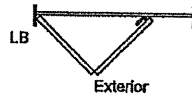
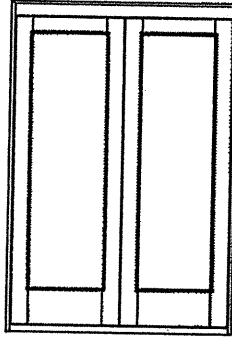


Warren W. Schaefer, P.E.
Texas P.E. #113497

Clad FeelSafe Outswing Bi-Fold Doors

Scale: 1/4" = 1'

2 PANEL



2-PANEL WIDTH - LB, AR

CALL-OUT	PANEL	GLASS	FRAME	ROUGH OPENING
C-FSOBD-22	21 7/8"	14"	46 3/8"	47 3/8"
C-FSOBD-28	27 7/8"	20"	58 3/8"	59 3/8"
C-FSOBD-30	29 7/8"	22"	62 3/8"	63 3/8"
C-FSOBD-34	33 7/8"	26"	70 3/8"	71 3/8"
C-FSOBD-36	35 7/8"	28"	74 3/8"	75 3/8"

HEIGHT

PANEL	GLASS	FRAME	ROUGH OPENING
80"	67 1/4"	86 3/16"	86 15/16"
84"	71 1/4"	90 3/16"	90 15/16"
93"	80 1/4"	99 3/16"	99 15/16"
96"	83 1/4"	102 3/16"	102 15/16"
105"	92 1/4"	111 3/16"	111 15/16"
117"	104 1/4"	123 3/16"	123 15/16"
120"	107 1/4"	126 3/16"	126 15/16"

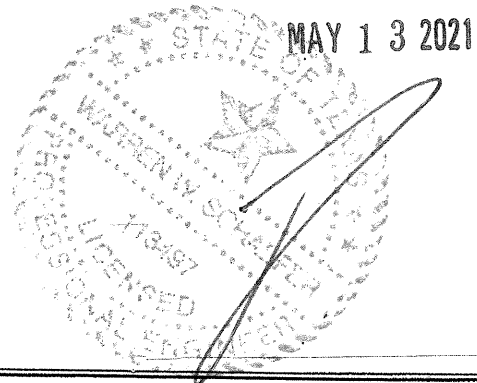
NOTE: ALL OPERATING CODES ARE VIEWED FROM THE EXTERIOR

L = PANELS FOLDING TO THE LEFT SIDE JAMB
R = PANELS FOLDING TO THE RIGHT SIDE JAMB

Y = LEFT HINGED OPERATING PANEL
Z = RIGHT HINGED OPERATING PANEL

B = INTERIOR ACCESS ONLY - LEFT HINGED OPERATING PANEL
(WITH INTERIOR HALF HANDLE SET)

A = INTERIOR ACCESS ONLY - RIGHT HINGED OPERATING PANEL
(WITH INTERIOR HALF HANDLE SET)



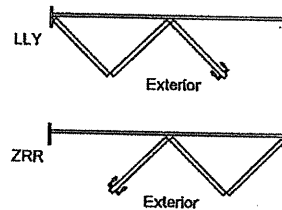
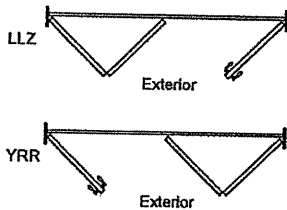
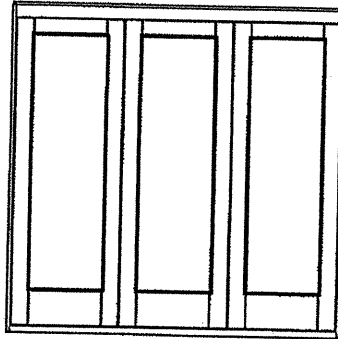
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Clad FeelSafe Outswing Bi-Fold Doors

Scale: 1/4" = 1'

3 PANEL



3-PANEL WIDTH - LLZ, YRR

CALL-OUT	PANEL	GLASS	FRAME	ROUGH OPENING
C-FSOBD-22	21 7/8"	14"	68 9/16"	69 9/16"
C-FSOBD-28	27 7/8"	20"	86 9/16"	87 9/16"
C-FSOBD-30	29 7/8"	22"	92 9/16"	93 9/16"
C-FSOBD-34	33 7/8"	26"	104 9/16"	105 9/16"
C-FSOBD-36	35 7/8"	28"	110 9/16"	111 9/16"

3-PANEL WIDTH - LLY, ZRR

CALL-OUT	PANEL	GLASS	FRAME	ROUGH OPENING
C-FSOBD-22	21 7/8"	14"	68 21/32"	69 21/32"
C-FSOBD-28	27 7/8"	20"	86 21/32"	87 21/32"
C-FSOBD-30	29 7/8"	22"	92 21/32"	93 21/32"
C-FSOBD-34	33 7/8"	26"	104 21/32"	105 21/32"
C-FSOBD-36	35 7/8"	28"	110 21/32"	111 21/32"

HEIGHT

PANEL	GLASS	FRAME	ROUGH OPENING
80"	67 1/4"	86 3/16"	86 15/16"
84"	71 1/4"	90 3/16"	90 15/16"
93"	80 1/4"	99 3/16"	99 15/16"
96"	83 1/4"	102 3/16"	102 15/16"
105"	92 1/4"	111 3/16"	111 15/16"
117"	104 1/4"	123 3/16"	123 15/16"
120"	107 1/4"	126 3/16"	126 15/16"

HEIGHT

PANEL	GLASS	FRAME	ROUGH OPENING
80"	67 1/4"	86 3/16"	86 15/16"
84"	71 1/4"	90 3/16"	90 15/16"
93"	80 1/4"	99 3/16"	99 15/16"
96"	83 1/4"	102 3/16"	102 15/16"
105"	92 1/4"	111 3/16"	111 15/16"
117"	104 1/4"	123 3/16"	123 15/16"
120"	107 1/4"	126 3/16"	126 15/16"

NOTE: ALL OPERATING CODES ARE VIEWED FROM THE EXTERIOR

L = PANELS FOLDING TO THE LEFT SIDE JAMB
R = PANELS FOLDING TO THE RIGHT SIDE JAMB

Y = LEFT HINGED OPERATING PANEL
Z = RIGHT HINGED OPERATING PANEL

B = INTERIOR ACCESS ONLY - LEFT HINGED OPERATING PANEL
(WITH INTERIOR HALF HANDLE SET)
A = INTERIOR ACCESS ONLY - RIGHT HINGED OPERATING PANEL
(WITH INTERIOR HALF HANDLE SET)



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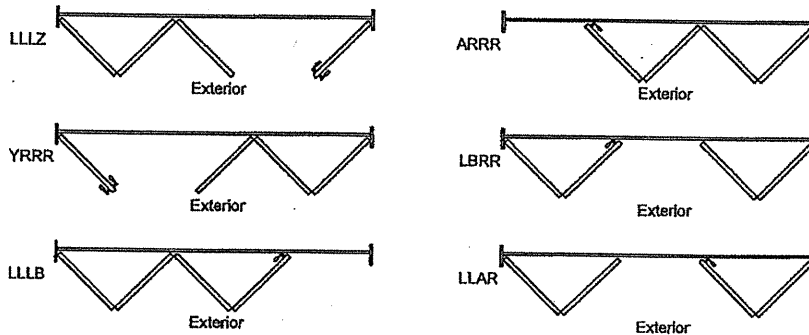
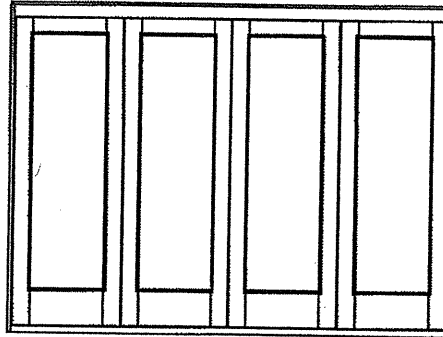
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Clad FeelSafe Outswing Bi-Fold Doors

Scale: 1/4" = 1'

4 PANEL



4-PANEL WIDTH - LLLZ, YRRR, LLLB, ARRR, LBRR, LLAR

CALL-OUT	PANEL	GLASS	FRAME	ROUGH OPENING
C-FSOBD-22	21 7/8"	14"	90 3/4"	91 3/4"
C-FSOBD-28	27 7/8"	20"	114 3/4"	115 3/4"
C-FSOBD-30	29 7/8"	22"	122 3/4"	123 3/4"
C-FSOBD-34	33 7/8"	26"	138 3/4"	139 3/4"
C-FSOBD-36	35 7/8"	28"	146 3/4"	147 3/4"

HEIGHT

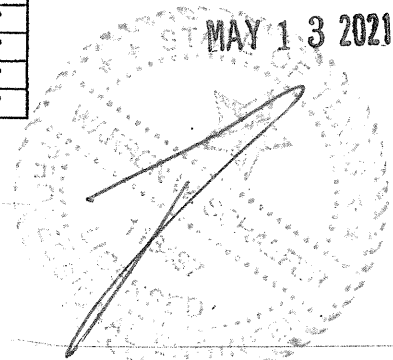
PANEL	GLASS	FRAME	ROUGH OPENING
80"	67 1/4"	86 3/16"	86 15/16"
84"	71 1/4"	90 3/16"	90 15/16"
93"	80 1/4"	99 3/16"	99 15/16"
96"	83 1/4"	102 3/16"	102 15/16"
105"	92 1/4"	111 3/16"	111 15/16"
117"	104 1/4"	123 3/16"	123 15/16"
120"	107 1/4"	126 3/16"	126 15/16"

NOTE: ALL OPERATING CODES ARE VIEWED FROM THE EXTERIOR

L = PANELS FOLDING TO THE LEFT SIDE JAMB
R = PANELS FOLDING TO THE RIGHT SIDE JAMB

Y = LEFT HINGED OPERATING PANEL
Z = RIGHT HINGED OPERATING PANEL

B = INTERIOR ACCESS ONLY - LEFT HINGED OPERATING PANEL
(WITH INTERIOR HALF HANDLE SET)
A = INTERIOR ACCESS ONLY - RIGHT HINGED OPERATING PANEL
(WITH INTERIOR HALF HANDLE SET)



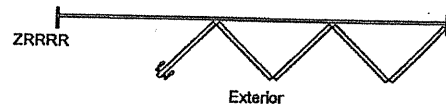
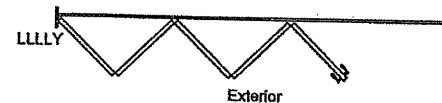
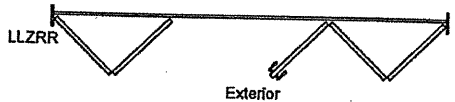
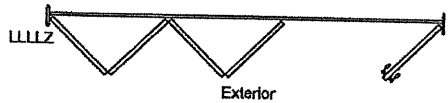
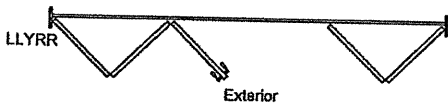
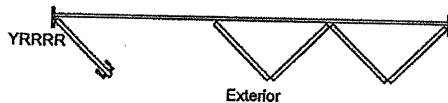
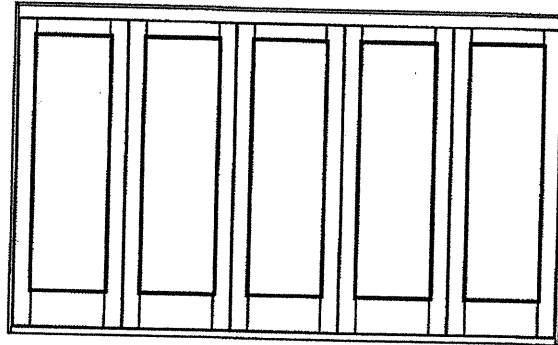
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Clad FeelSafe Outswing Bi-Fold Doors

Scale: 1/4" = 1'

5 PANEL



5-PANEL WIDTH - YRRRR, LLYRR, LLLZ, LLZRR

CALL-OUT	PANEL	GLASS	FRAME	ROUGH OPENING
C-FSOBD-22	21 7/8"	14"	112 15/16"	113 15/16"
C-FSOBD-28	27 7/8"	20"	142 15/16"	143 15/16"
C-FSOBD-30	29 7/8"	22"	152 15/16"	153 15/16"
C-FSOBD-34	33 7/8"	26"	172 15/16"	173 15/16"
C-FSOBD-36	35 7/8"	28"	182 15/16"	183 15/16"

HEIGHT

PANEL	GLASS	FRAME	ROUGH OPENING
80"	67 1/4"	86 3/16"	86 15/16"
84"	71 1/4"	90 3/16"	90 15/16"
93"	80 1/4"	99 3/16"	99 15/16"
96"	83 1/4"	102 3/16"	102 15/16"
105"	92 1/4"	111 3/16"	111 15/16"
117"	104 1/4"	123 3/16"	123 15/16"
120"	107 1/4"	126 3/16"	126 15/16"

5-PANEL WIDTH - LLLLY, ZRRRR

CALL-OUT	PANEL	GLASS	FRAME	ROUGH OPENING
C-FSOBD-22	21 7/8"	14"	113 1/32"	114 1/32"
C-FSOBD-28	27 7/8"	20"	143 1/32"	144 1/32"
C-FSOBD-30	29 7/8"	22"	153 1/32"	154 1/32"
C-FSOBD-34	33 7/8"	26"	173 1/32"	174 1/32"
C-FSOBD-36	35 7/8"	28"	183 1/32"	184 1/32"

HEIGHT

PANEL	GLASS	FRAME	ROUGH OPENING
80"	67 1/4"	86 3/16"	86 15/16"
84"	71 1/4"	90 3/16"	90 15/16"
93"	80 1/4"	99 3/16"	99 15/16"
96"	83 1/4"	102 3/16"	102 15/16"
105"	92 1/4"	111 3/16"	111 15/16"
117"	104 1/4"	123 3/16"	123 15/16"
120"	107 1/4"	126 3/16"	126 15/16"

NOTE: ALL OPERATING CODES ARE VIEWED FROM THE EXTERIOR

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A = INTERIOR ACCESS ONLY - RIGHT HINGED OPERATING PANEL
(WITH INTERIOR HALF HANDLE SET)



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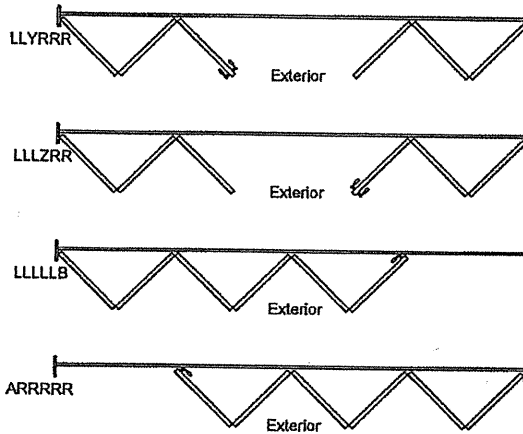
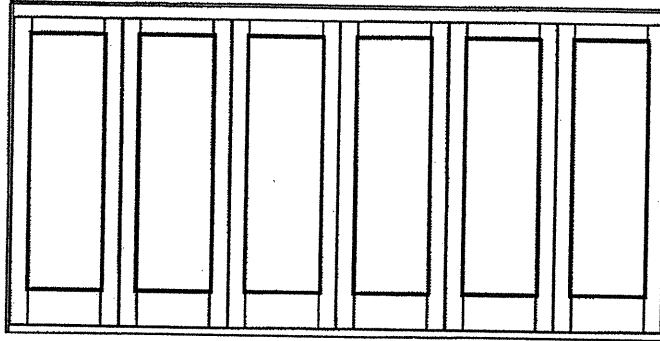
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Clad FeelSafe Outswing Bi-Fold Doors

Scale: 1/4" = 1'

6 PANEL



6-PANEL WIDTH - LLYRRR, LLLZRR, LLLLLB, ARRRRR

CALL-OUT	PANEL	GLASS	FRAME	ROUGH OPENING
C-FSOBD-22	21 7/8"	14"	135 1/8"	136 1/8"
C-FSOBD-28	27 7/8"	20"	171 1/8"	172 1/8"
C-FSOBD-30	29 7/8"	22"	183 1/8"	184 1/8"
C-FSOBD-34	33 7/8"	26"	207 1/8"	208 1/8"
C-FSOBD-36	35 7/8"	28"	219 1/8"	220 1/8"

HEIGHT

PANEL	GLASS	FRAME	ROUGH OPENING
80"	67 1/4"	86 3/16"	86 15/16"
84"	71 1/4"	90 3/16"	90 15/16"
93"	80 1/4"	99 3/16"	99 15/16"
96"	83 1/4"	102 3/16"	102 15/16"
105"	92 1/4"	111 3/16"	111 15/16"
117"	104 1/4"	123 3/16"	123 15/16"
120"	107 1/4"	126 3/16"	126 15/16"

NOTE: ALL OPERATING CODES ARE VIEWED FROM THE EXTERIOR

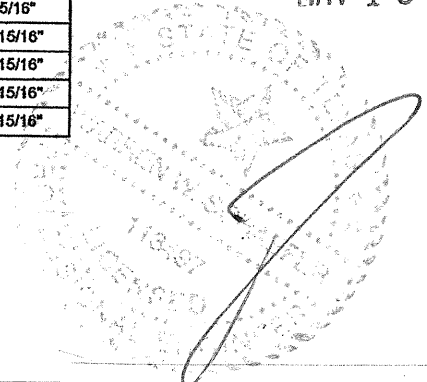
L = PANELS FOLDING TO THE LEFT SIDE JAMB
R = PANELS FOLDING TO THE RIGHT SIDE JAMB

Y = LEFT HINGED OPERATING PANEL
Z = RIGHT HINGED OPERATING PANEL

B = INTERIOR ACCESS ONLY - LEFT HINGED OPERATING PANEL
(WITH INTERIOR HALF HANDLE SET)

A = INTERIOR ACCESS ONLY - RIGHT HINGED OPERATING PANEL
(WITH INTERIOR HALF HANDLE SET)

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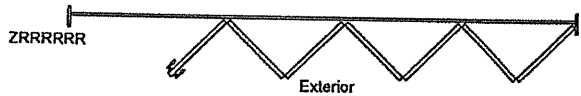
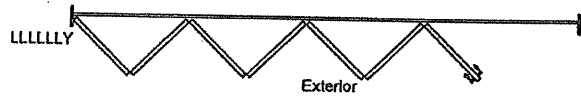
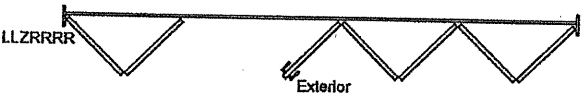
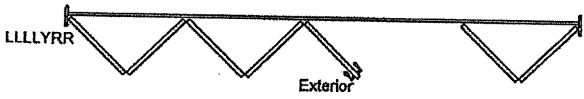
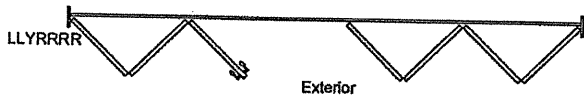
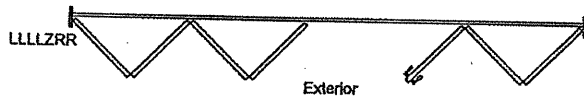
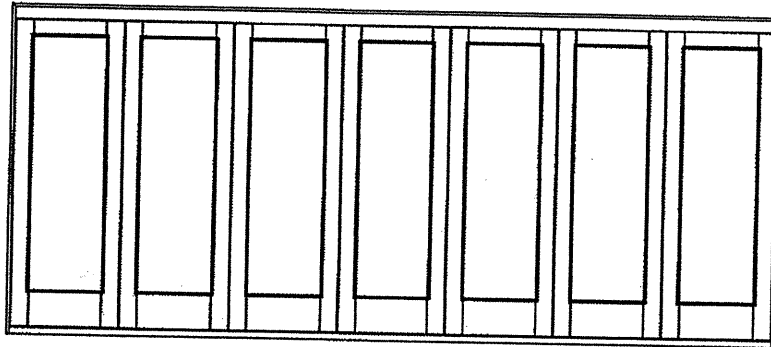
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Clad FeelSafe Outswing Bi-Fold Doors

Scale: 1/4" = 1'

7 PANEL



7-PANEL WIDTH - LLLLZRR, LLYRRRR, LLLLYRR, LLZRRRR

CALL-OUT	PANEL	GLASS	FRAME	ROUGH OPENING
C-FSOBD-22	21 7/8"	14"	157 5/16"	158 5/16"
C-FSOBD-28	27 7/8"	20"	199 5/16"	200 5/16"
C-FSOBD-30	29 7/8"	22"	213 5/16"	214 5/16"
C-FSOBD-34	33 7/8"	26"	241 5/16"	242 5/16"
C-FSOBD-36	35 7/8"	28"	255 5/16"	256 5/16"

7-PANEL WIDTH - LLLLLLY, ZRRRRRR

CALL-OUT	PANEL	GLASS	FRAME	ROUGH OPENING
C-FSOBD-22	21 7/8"	14"	157 13/32"	158 13/32"
C-FSOBD-28	27 7/8"	20"	199 13/32"	200 13/32"
C-FSOBD-30	29 7/8"	22"	213 13/32"	214 13/32"
C-FSOBD-34	33 7/8"	26"	241 13/32"	242 13/32"
C-FSOBD-36	35 7/8"	28"	255 13/32"	256 13/32"

HEIGHT

PANEL	GLASS	FRAME	ROUGH OPENING
80"	87 1/4"	88 3/16"	86 15/16"
84"	71 1/4"	90 3/16"	90 15/16"
93"	80 1/4"	99 3/16"	99 15/16"
96"	83 1/4"	102 3/16"	102 15/16"
105"	92 1/4"	111 3/16"	111 15/16"
117"	104 1/4"	123 3/16"	123 15/16"
120"	107 1/4"	126 3/16"	126 15/16"

HEIGHT

PANEL	GLASS	FRAME	ROUGH OPENING
80"	67 1/4"	86 3/16"	86 15/16"
84"	71 1/4"	90 3/16"	90 15/16"
93"	80 1/4"	99 3/16"	99 15/16"
96"	83 1/4"	102 3/16"	102 15/16"
105"	92 1/4"	111 3/16"	111 15/16"
117"	104 1/4"	123 3/16"	123 15/16"
120"	107 1/4"	126 3/16"	126 15/16"

NOTE: ALL OPERATING CODES ARE VIEWED FROM THE EXTERIOR

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R = PANELS FOLDING TO THE RIGHT SIDE JAMB

Y = LEFT HINGED OPERATING PANEL
Z = RIGHT HINGED OPERATING PANEL

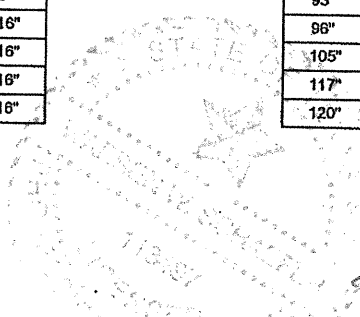
B = INTERIOR ACCESS ONLY - LEFT HINGED OPERATING PANEL
(WITH INTERIOR HALF HANDLE SET)

A = INTERIOR ACCESS ONLY - RIGHT HINGED OPERATING PANEL
(WITH INTERIOR HALF HANDLE SET)



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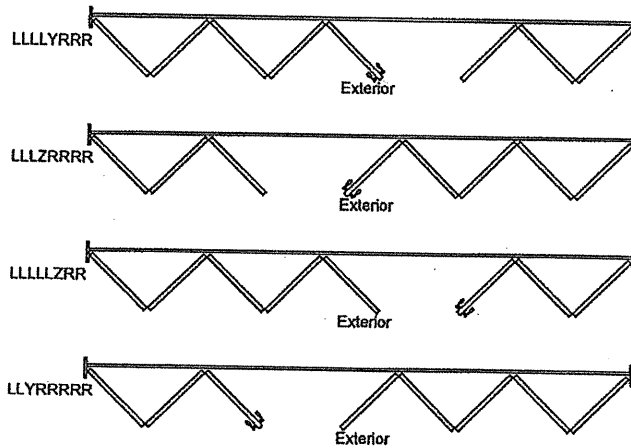
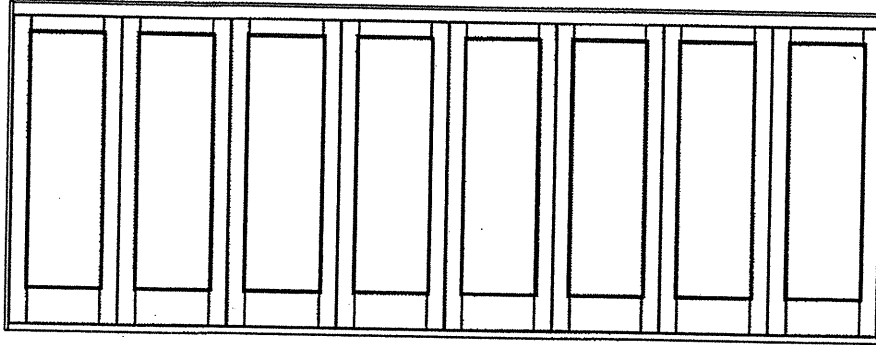


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Clad FeelSafe Outswing Bi-Fold Doors

Scale: 1/4" = 1'

8 PANEL



8-PANEL WIDTH - LLLLYRRR, LLLZRRRR, LLLLLZRR, LLYRRRRR

CALL-OUT	PANEL	GLASS	FRAME	ROUGH OPENING
C-FSOBD-22	21 7/8"	14"	179 1/2"	180 1/2"
C-FSOBD-28	27 7/8"	20"	227 1/2"	228 1/2"
C-FSOBD-30	29 7/8"	22"	243 1/2"	244 1/2"
C-FSOBD-34	33 7/8"	28"	275 1/2"	276 1/2"
C-FSOBD-36	35 7/8"	28"	291 1/2"	292 1/2"

HEIGHT

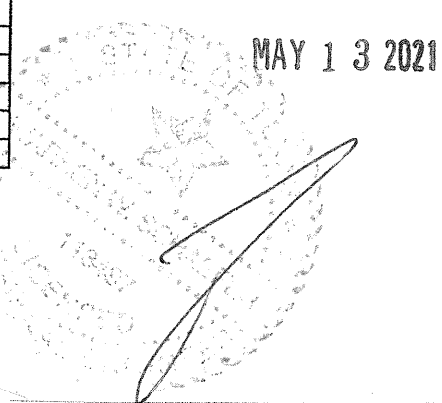
PANEL	GLASS	FRAME	ROUGH OPENING
80"	67 1/4"	86 3/16"	86 15/16"
84"	71 1/4"	90 3/16"	90 15/16"
93"	80 1/4"	99 3/16"	99 15/16"
96"	83 1/4"	102 3/16"	102 15/16"
105"	92 1/4"	111 3/16"	111 15/16"
117"	104 1/4"	123 3/16"	123 15/16"
120"	107 1/4"	126 3/16"	126 15/16"

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