CHAPTER 14

WOOD AND CLAD ULTIMATE OUTSWING FRENCH DOOR

Table of Contents

	PAGE
History	14.2
Part Identification – Wood Ultimate Outswing French Door XX L	14.4
Part Identification – Wood Ultimate Outswing French Door OO	14.5
Part Identification – Wood Ultimate Outswing French Door In–Sash Transom	14.6
Part Identification – Wood Ultimate Outswing French Door 2, 3 and 4 Panel Jamb Detail	14.7
Part Identification – Wood Ultimate Outswing French Door Direct Glaze Transom	14.8
Part Identification – Clad Ultimate Outswing French Door XX L	14.9
Part Identification – Clad Ultimate Outswing French Door Stationary and Sidelite	14.10
Part Identification – Clad Ultimate Outswing French Door In–Sash Transom	14.11
Part Identification – Clad Ultimate Outswing French Door 2, 3 and 4 Panel Jamb Detail	14.12
Part Identification – Clad Ultimate Outswing French Door Direct Glaze Transom	14.13
Parts – Ultimate Outswing French Doors	14.14
Weather Strip and Vinyl	14.23
Replacement Wood Parts	14.26
Replacement Vinyl, Aluminum or Fiberglass Parts	14.27
Panel Replacement	14.28
Energy Panels and Parts	14.29
Obsolete Hardware Parts	14.31
Obsolete Wood Parts	14.43
Obsolete Vinyl, Aluminum and Fiberglass parts	14.45
Obsolete Replacement Panels	14.46
Obsolete Weather Strip	14.47
Discontinued Weather Strip	14.49
Obsolete Energy Panels and Parts	14.50

ATTENTION:

- Specification and technical data are subject to change without notice.
- Numbers listed in parentheses ( ) are metric equivalents in millimeters rounded to the nearest whole number.

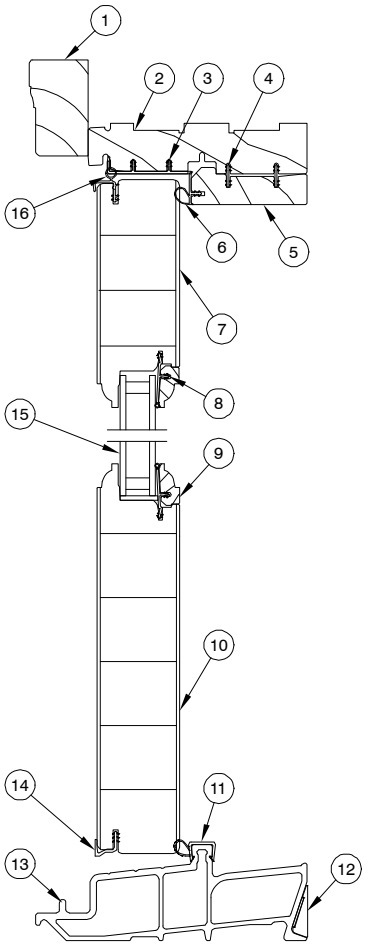
HISTORY

PRODUCED	UNIT TYPE	FEATURES OR CHANGES	DISCONTINUED
1989	Wood Outswing French Door	Unit features 3/4″ insulating glass, 4 9/16″ jambs, 2 of the hinges feature non-removable pins, no panel bore or lock (standard). Unit offered in CN 6-8, CN 7-0 and CN 8-0 heights. Unit featured solid brass head and foot bolts and optional solid brass lever set. Sidelites and transoms introduced.	2000
1990	Clad Outswing French Door	Unit features 3/4 insulating glass, 4 9/16″ jambs, 2 of the hinges feature non-removable pins, no panel bore or lock (standard), solid brass head and foot bolts and extruded aluminum glazing cap system for 1 lite and ADL insulating glass. Unit offered in CN 6-8, CN 7-0 and CN 8-0 heights.	2000
		Sidelites and transoms introduced.	2000
		Brown Lexan sill.	1991
1991	Wood and Clad Outswing French Doors	CN 6-5 height introduced including a 4 panel entrance system with continuous head jamb and sill. External component parts changed from brown to beige.	2000
		Lexan sill changed from brown to beige.	1994
1991	Wood and Clad Outswing	Optional multi-point (Essve) hardware system introduced.	2000
1991	Wood Outswing French Door	Solid brass hinges introduced.	Present
1992	Wood Outswing French Doors	Simulated divided lite option introduced.	Present
1993	Clad Outswing French Doors	Factory applied brick mould casing and simulated divided lite option introduced.	Present
1994	Outswing French Doors	Beige Lexan sill changed to beige composite sill.	Present
1994	Wood Outswing French Door	Exterior factory finish available utilizing an interior glazed panel for 1 lite and ADL insulating glass.	1996
2000	Wood and Clad Outswing French Door, Transoms, sidelites Wood and Clad Ultimate Outswing French Door.	1/17/2000 New door line based on Inswing Door. Frame and sash components common when possible. Door rated to DP 20, DP 30 or DP 40 based on options and sizes selected. Transom sash in line with door sash below. Center mortise lock (center passage latch with independent dead bolt) replaces lever set with dead bolt utilizing Multi–point inswing FD handles. Multi–point (Amerock) lock available (std. Ultimate). Adjustable hinges standard. HP Package available on Clad Ultimate Outswing French Door. 8/4/2000 PVD brass hardware available on Ultimate Outswing French Door. Limited factory mulling options. Non–handed handle sets.	Present
2000	Wood and Clad Light Commercial Prep Door Introduced	1/17/2000 Unit uses common parts with outswing door. Jambs square cut at bottom to accept commercial or ADA sills. Ball bearing 4″ butt hinges standard. 11 3/8″ bottom rail standard. 8/4/2000 Brushed chrome ball bearing hinges available.	Present
2002	Wood and Clad Light Commercial Prep Door Introduced	3/02 Stone White becomes a standard color. Arctic White transitions to a select color. 8/0 height decreases by 2 1/2 inches.	Present
2003	Wood and Clad Outswing French Door	3/31/03 Satin Taupe (TP) hardware replaces brass as standard. Standard door now includes hardware (no lock, no bore is an option)	Present
2003	Wood and Clad Ultimate Outswing French Door	3/31/03 Satin Taupe (TP) hardware replaces brass as standard.	Present
2003	Wood and Clad Outswing Ultimate Outswing French Door	3/31/03 Strikes for Satin Taupe, Brushed Chrome, Polished Chrome and White are Stainless Steel.	Present
2004	Wood and Clad Outswing Ultimate Outswing French Door	1/04 Added Oiled Rubbed Bronze and Satin Chrome to available hardware finishes.	Present
2004	Wood and Clad Outswing French Door	4/12/04 Satin Nickel hardware finish introduced.	Present

HISTORY

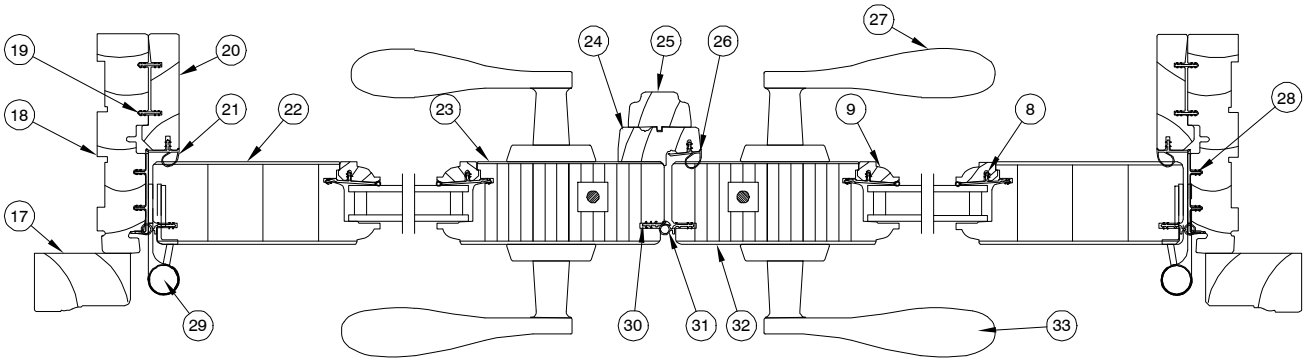
PRODUCED	UNIT TYPE	FEATURES OR CHANGES	STATUS
2004	Wood and Clad Outswing French Door	6/14/04 Wood and Clad Direct Glaze transom redesigned. Polished chrome finish hardware is retired.	Present
2005	Wood and Clad Ultimate Outswing French Door	1/2005 New options: No lock. bore, bored mortise latch with deadbolt. Locking stiles use LVL core, optional bronze Ultrex sill with black weather strip. Options for Outswing French Door become available on Ultimate Outswing French Door. Outswing French Door now retired.	Present
2005	Wood and Clad Outswing Ultimate Outswing French Door	6/15/05 Changed jamb leaf on adjustable hinge to closed knuckle design.	Present
2005	Wood and Clad Outswing Ultimate Outswing French Door	6/27/05 Introduced Brass PVD and Satin Nickel PVD finishes to French door handles, adjustable hinges, and other miscellaneous parts.	Present
2006	Wood and Clad Outswing Ultimate Outswing French Door	7/24/06 Discontinued retro 6–5 height and replaced with 6–6 height. Frame OSM for 6–6 height is 3/4″ taller than 6–5 doors. Frame OSM for 6–6 width is 11/16″ wider (one panel), 1 3/8″ wider (two panel) and 2 1/16″ wider (three panel).	Present
2007	Wood and Clad Ultimate Outswing French Door	2/20/07 Introduced raised and flat panels as a standard option for Marvin French Doors and Commercial Doors.	Present
2008	Clad Ultimate Outswing French Door	7/28/2008 Mixed grain Douglas fir is now a standard option.	Present
2009	All	3/23/2009 Added LoĒ^3-366™ as a standard option for all products. Added Cedro Macho as a standard option for all clad products.	Present
2010	All Doors	2/22/2010 Added Dark Bronze hardware finish for doors.	Present
2011	All Doors	04/25/2011 Added LoĒ-180™ as a standard option for all products. White painted interior finish option introduced for all products.	Present
2012	Wood and Clad Ultimate Outswing French Door	07–30–2012 Stave Core added to our description for current finger joint/edge glue construction of door panels. Redesign incorporating new cladding, frame and sill profile (F2050). Optional exterior sill cover available in Mahogany; Optional interior sill liner available in Oak, Mahogany, or Cherry. 10–29–2012 Interior Square Sticking/Glazing Bead option introduced. 12–17–2012 Introduced Clear Interior Finish option on all products.	Present

WOOD ULTIMATE OUTSWING FRENCH DOOR
XX R or L



Head Jamb and Sill

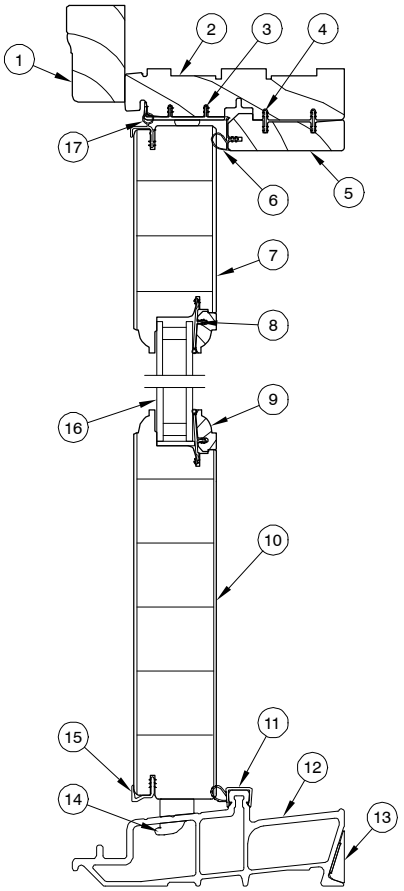
1. Head Jamb Brick Mould Casing
2. Head Jamb
3. Head Jamb Frame Vinyl (V2114)
4. Head Jamb Stop Connecting Barb
5. Head Jamb Part Stop
6. Head Jamb Part Stop Weather Strip
7. Top Rail
8. Glazing Bead
9. Glazing Cap
10. Bottom Rail
11. Sill Weather Strip
12. Sill Interior Filler Block
13. Sill, 4 9/16″
14. Panel Drip
15. Insulating Glass
16. Panel Cover Weather Strip
17. Jamb Brick Mould Casing
18. Jamb
19. Jamb Connecting Barb
20. Jamb Part Stop
21. Jamb Part Stop Weather Strip
22. Stile
23. Inactive Panel Locking Stile
24. Astragal Base
25. Astragal Cover
26. Astragal Weather Strip
27. Interior Handle Assembly
28. Jamb Frame Vinyl (V2114)
29. Adjustable Hinge
30. Inactive Stile Weather Strip
31. Stile Weather Strip
32. Active Panel Locking Stile
33. Exterior Handle Assembly



Jamb – XX L

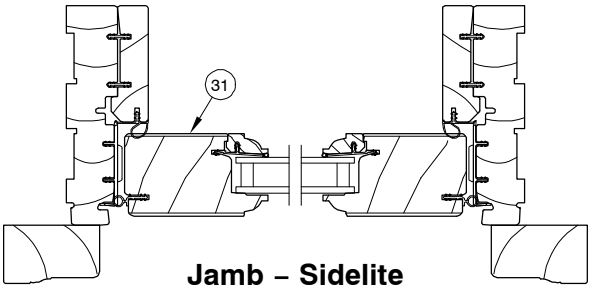
NOTE: Not to scale; specifications subject to change without notice.

WOOD ULTIMATE OUTSWING FRENCH DOOR
STATIONARY AND SIDELITE

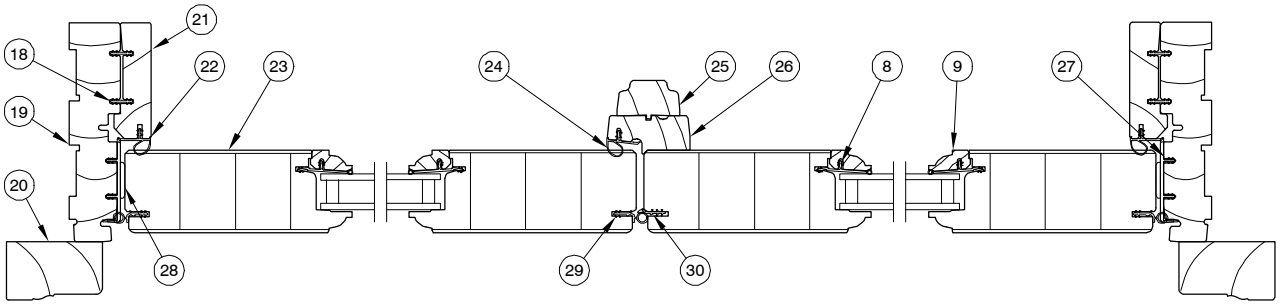


Head Jamb and Sill

1. Head Jamb Brick Mould Casing
2. Head Jamb
3. Head Jamb Frame Vinyl
4. Head Jamb Part Stop Connecting Barb
5. Head Jamb Part Stop
6. Head Jamb Part Stop Weather Strip
7. Top Rail
8. Glazing Bead
9. Glazing Cap
10. Bottom Rail
11. Sill Weather Strip
12. Sill, 4 9/16″
13. Sill Interior Filler Block
14. Stationary Panel Sill Bolt
15. Panel Drip
16. Insulating Glass
17. Panel Cover Weather Strip
18. Jamb Connecting Barb
19. Jamb
20. Jamb Brick Mould Casing
21. Jamb Part Stop
22. Jamb Part Stop Weather Strip
23. Stile
24. Astragal Weather Strip
25. Astragal Cover
26. Astragal Base
27. Jamb Frame Vinyl (V2114)
28. Spacer Tack
29. Stile Weather Strip
30. Inactive Stile Weather Strip
31. Narrow Sidelite Stile



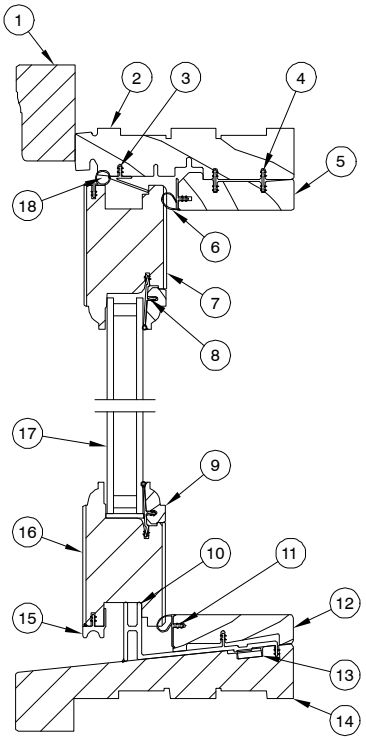
Jamb – Sidelite



Jamb – OO

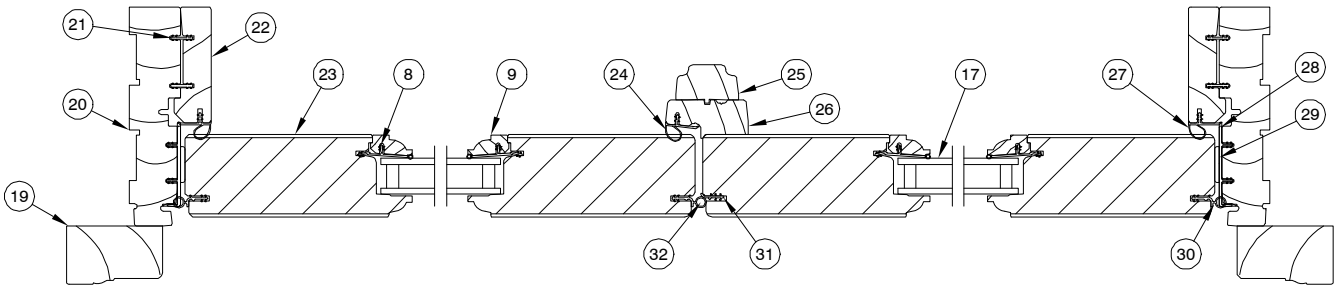
NOTE: Not to scale; specifications subject to change without notice.

WOOD ULTIMATE OUTSWING FRENCH DOOR
IN–SASH TRANSOM



Head Jamb and Sill

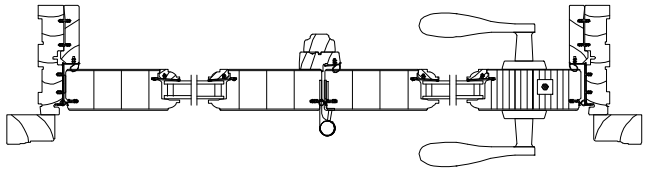
1. Head Jamb Brick Mould Casing
2. Head Jamb
3. Sash Retainer
4. Head Jamb Part Stop Connecting Barb
5. Head Jamb Part Stop
6. Head Jamb Part Stop Weather Strip
7. Top Rail
8. Glazing Bead
9. Glazing Cap
10. Sill Leveling Block
11. Sill Weather Strip
12. Sill Cover
13. Foam Tape
14. Sill
15. Panel Drip
16. Bottom Rail
17. Insulating Glass
18. Panel Weather Strip
19. Jamb Brick Mould Casing
20. Jamb
21. Jamb Connecting Barb
22. Jamb Part Stop
23. Stile
24. Astragal Weather Strip
25. Astragal Cover
26. Astragal Base
27. Jamb Part Stop Weather Strip (V2114)
28. Frame Weather Strip
29. Spacer Tack
30. Stile Weather Strip
31. Inactive Stile Weather Strip
32. Stile Weather Strip



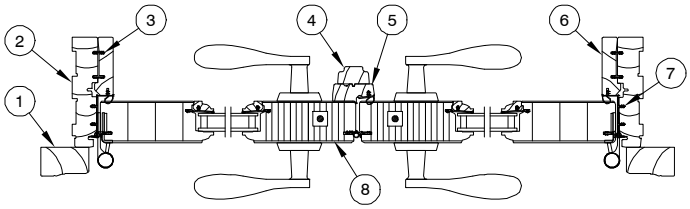
Jamb – Transom OO
(1 frame – 2 sash)

NOTE: Not to scale; specifications subject to change without notice.

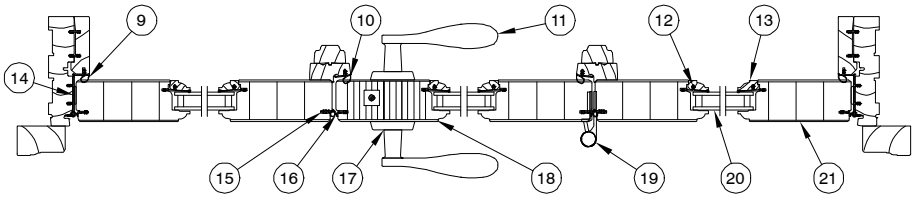
WOOD ULTIMATE OUTSWING FRENCH DOOR
JAMB DETAIL



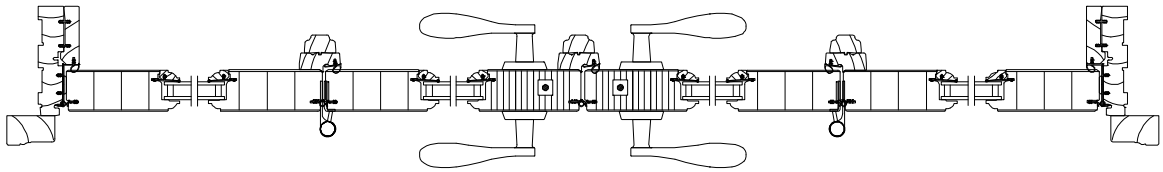
2 Panel Jamb – OX R



2 Panel Jamb – XX L



3 Panel Operating Jamb – OXO L

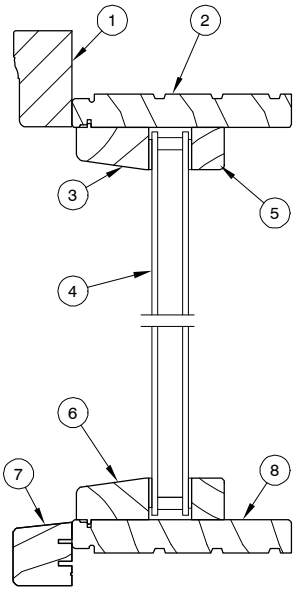


4 Panel Operating Jamb – OXXO L

1. Jamb Brick Mould Casing
2. Jamb
3. Jamb Part Stop Connecting Barb
4. Astragal Cover
5. Astragal Base
6. Jamb Part Stop
7. Jamb Frame Vinyl (V2114)
8. Inactive Panel Locking Stile
9. Jamb Part Stop Weather Strip
10. Astragal Weather Strip
11. Interior Handle Assembly
12. Glazing Bead
13. Glazing Cap
14. Spacer Tack
15. Inactive Stile Weather Strip
16. Stile Weather Strip
17. Exterior Handle Assembly
18. Active Panel Locking Stile
19. Adjustable Hinge
20. Insulating Glass
21. Stile

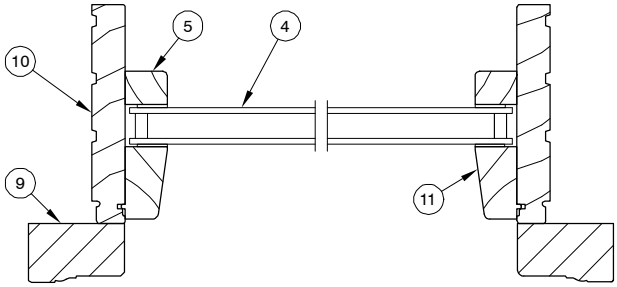
NOTE: Not to scale; specifications subject to change without notice.

WOOD ULTIMATE OUTSWING FRENCH DOOR DIRECT GLAZE TRANSOM



Head Jamb and Sill

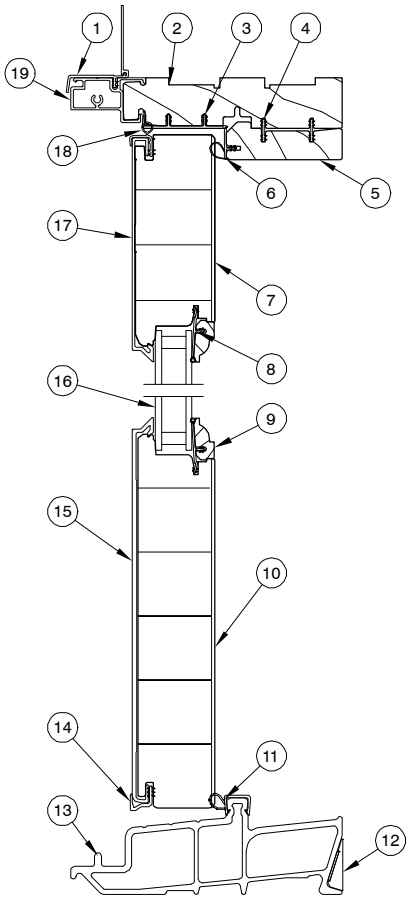
1. Head Jamb Brick Mould Casing
2. Head Jamb
3. Head Jamb Part Stop
4. Insulating Glass
5. Glazing Bead
6. Sill Part Stop
7. Sill Nose
8. Sill
9. Jamb Brick Mould Casing
10. Jamb
11. Jamb Part Stop



Jamb

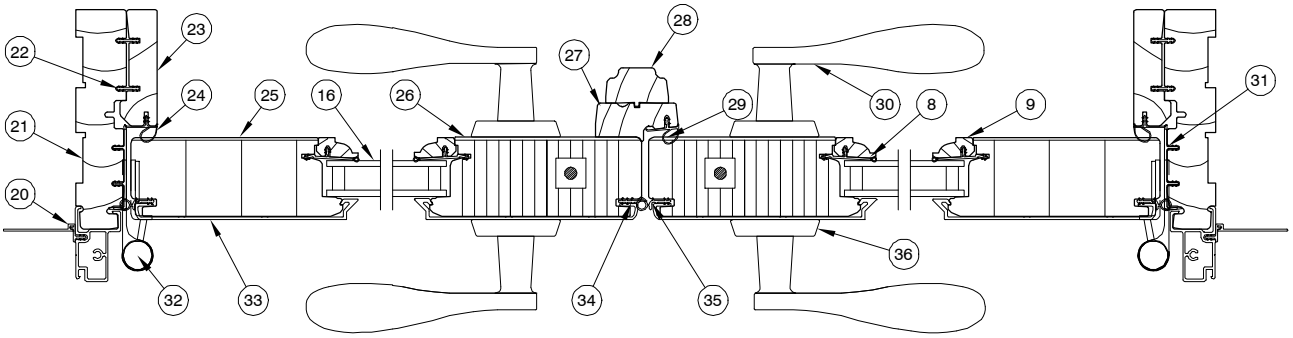
NOTE: Not to scale; specifications subject to change without notice.

CLAD ULTIMATE OUTSWING FRENCH DOOR
XX L or R



Head Jamb and Sill

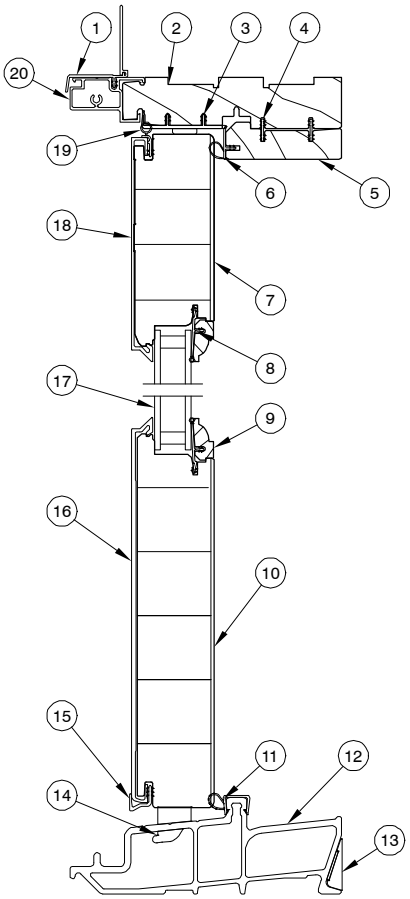
1. Head Jamb Nail Fin/Drip Cap
2. Head Jamb
3. Head Jamb Vinyl (V2114)
4. Head Jamb Part Stop Connecting Barb
5. Head Jamb Part Stop
6. Head Jamb Part Stop Weather Strip
7. Top Rail
8. Glazing Bead
9. Glazing Cap
10. Bottom Rail
11. Sill Weather Strip
12. Sill Liner
13. Sill, 4 9/16″
14. Panel Drip
15. Bottom Rail Cladding
16. Insulating Glass
17. Top Rail Cladding
18. Panel Cover Weather Strip
19. Head Jamb Cladding
20. Jamb Nailing Fin
21. Jamb
22. Jamb Part Stop Connecting Barb
23. Jamb Part Stop
24. Jamb Part Stop Weather Strip
25. Stile
26. Inactive Panel Locking Stile
27. Astragal Base
28. Astragal Cover
29. Astragal Weather Strip
30. Interior Handle Assembly
31. Jamb Vinyl (V2114)
32. Adjustable Hinge
33. Stile Cladding
34. Inactive Weather Strip
35. Stile Weather Strip
36. Exterior Handle Assembly



Jamb – XX L

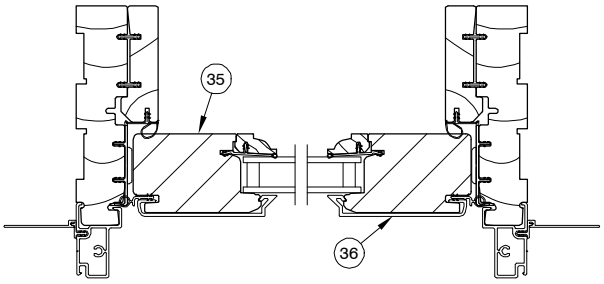
NOTE: Not to scale; specifications subject to change without notice.

CLAD ULTIMATE OUTSWING FRENCH DOOR
STATIONARY

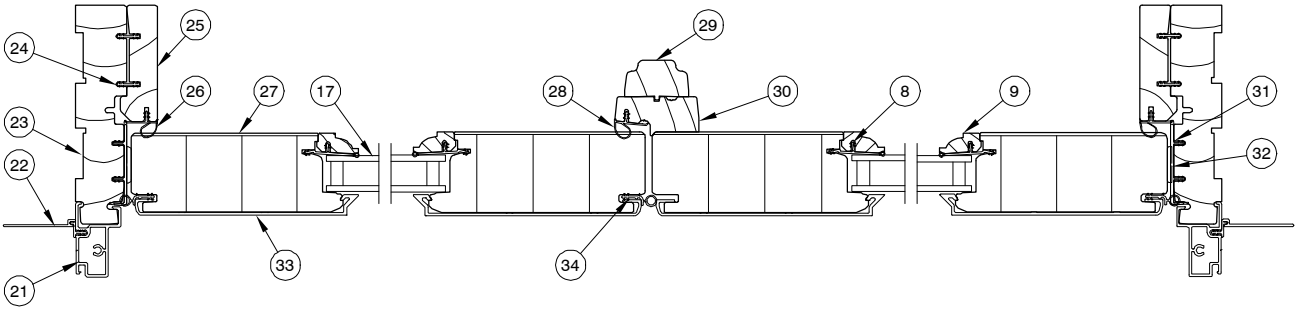


Head Jamb and Sill

1. Head Jamb Nail Fin/Drip Cap
2. Head Jamb
3. Head Jamb Vinyl (V2114)
4. Head Jamb Part Stop Connecting Barb
5. Head Jamb Part Stop
6. Head Jamb Part Stop Weather Strip
7. Top Rail
8. Glazing Bead
9. Glazing Cap
10. Bottom Rail
11. Sill Weather Strip
12. Sill, 4 9/16″
13. Sill Interior Filler
14. Stationary Sill Bolt
15. Panel Drip
16. Bottom Rail Cladding
17. Insulating Glass
18. Top Rail Cladding
19. Panel Cover Weather Strip
20. Head Jamb Cladding
21. Jamb Cladding
22. Jamb Nailing Fin
23. Jamb
24. Jamb Part Stop Connecting Barb
25. Jamb Part Stop
26. Jamb Part Stop Weather Strip
27. Stile
28. Astragal Weather Strip
29. Astragal Cover
30. Astragal Base
31. Jamb Weather Strip
32. Spacer Tack
33. Stile Cladding
34. Stile Weather Strip
35. Narrow Sidelite Stile
36. Narrow Sidelite Stile Cladding



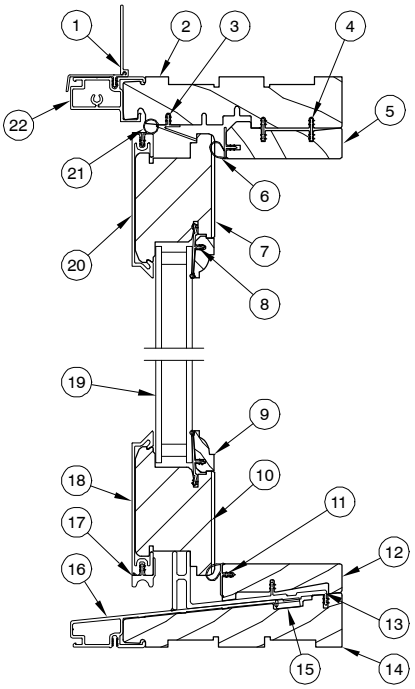
Sidelite



Jamb – OO

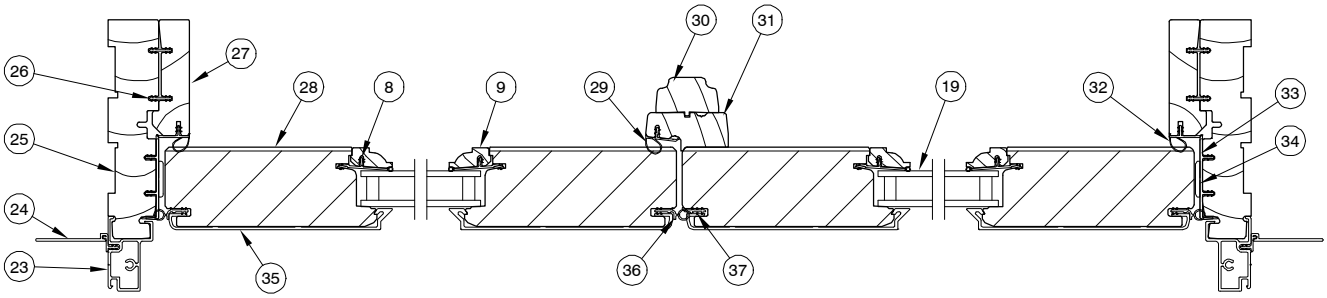
NOTE: Not to scale; specifications subject to change without notice.

CLAD ULTIMATE OUTSWING FRENCH DOOR
IN–SASH TRANSOM



Head Jamb and Sill

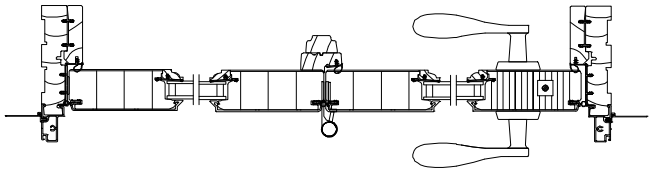
1. Head Jamb Nail Fin/Drip Cap
2. Head Jamb
3. Head Jamb Weather Strip
4. Head Jamb Stop Connecting Barb
5. Head Jamb Stop
6. Head Jamb Stop Weather Strip
7. Top Rail
8. Glazing Bead
9. Glazing Cap
10. Bottom Rail
11. Sill Cover Weather Strip
12. Sill Cover
13. Sill Leveling Block
14. Sill
15. Foam Tape
16. Sill Cladding
17. Panel Drip
18. Bottom Rail Cladding
19. Insulating Glass
20. Top Rail Cladding
21. Top Rail Weather Strip
22. Head Jamb Cladding
23. Jamb Cladding
24. Jamb Nailing Fin
25. Jamb
26. Jamb Connecting Barb
27. Jamb Stop
28. Stile
29. Astragal Weather Strip
30. Astragal Cover
31. Astragal Base
32. Jamb Stop Weather Strip
33. Jamb Weather Strip
34. Spacer Tack
35. Stile Cladding
36. Stile Weather Strip
37. Inactive Stile Weather Strip



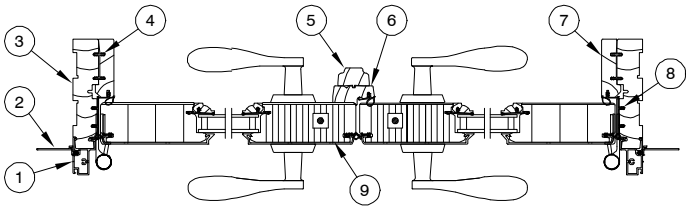
Jamb – Transom – OO
(1 frame – 2 sash)

NOTE: Not to scale; specifications subject to change without notice.

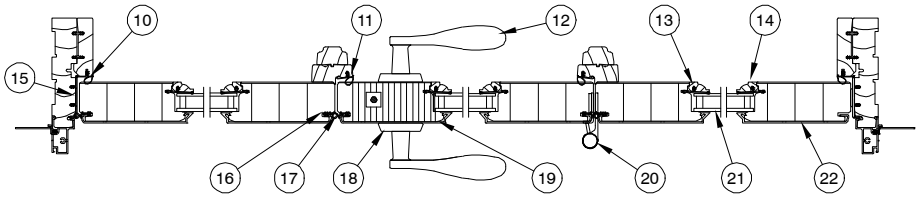
CLAD ULTIMATE OUTSWING FRENCH DOOR
JAMB DETAIL



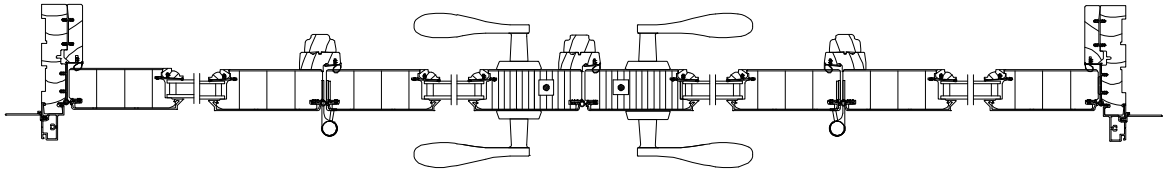
2 Panel Jamb – OX R



2 Panel Jamb – XX L



3 Panel Operating Jamb – OXO L

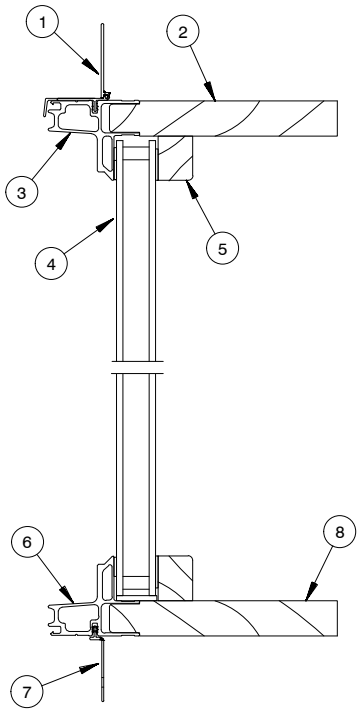


4 Panel Operating Jamb – OXXO L

1. Jamb Cladding
2. Jamb Nailing Fin
3. Jamb
4. Jamb Stop Connecting Barb
5. Astragal Cover
6. Astragal Base
7. Jamb Stop
8. Jamb Weather Strip
9. Inactive Panel Locking Stile
10. Jamb Stop Weather Strip
11. Astragal Weather Strip
12. Interior Handle Assembly
13. Glazing Bead
14. Glazing Cap
15. Spacer Tack
16. Inactive Stile Weather Strip
17. Stile Weather Strip
18. Exterior Handle Assembly
19. Active Panel Locking Stile
20. Adjustable Hinge
21. Insulating Glass
22. Stile

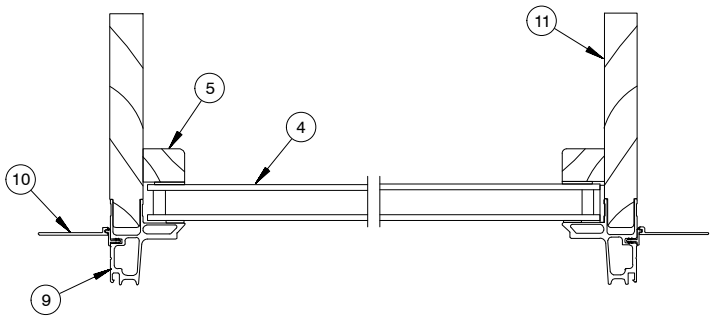
NOTE: Not to scale; specifications subject to change without notice.

CLAD ULTIMATE OUTSWING FRENCH DOOR
DIRECT GLAZE TRANSOM



Head Jamb and Sill

1. Head Jamb Nail Fin/Drip Cap
2. Head Jamb
3. Head Jamb Cladding
4. Insulated Glass
5. Glazing Bead
6. Sill Cladding
7. Sill Nailing Fin
8. Sill
9. Jamb Cladding
10. Jamb Nailing Fin
11. Jamb



JAMB DETAIL

NOTE: Not to scale; specifications subject to change without notice.

When ordering replacement parts specify:

1. type of unit;
2. part number;
3. description.

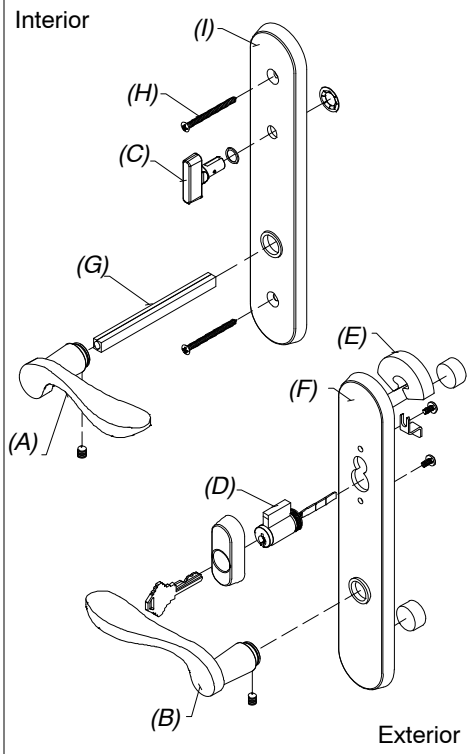
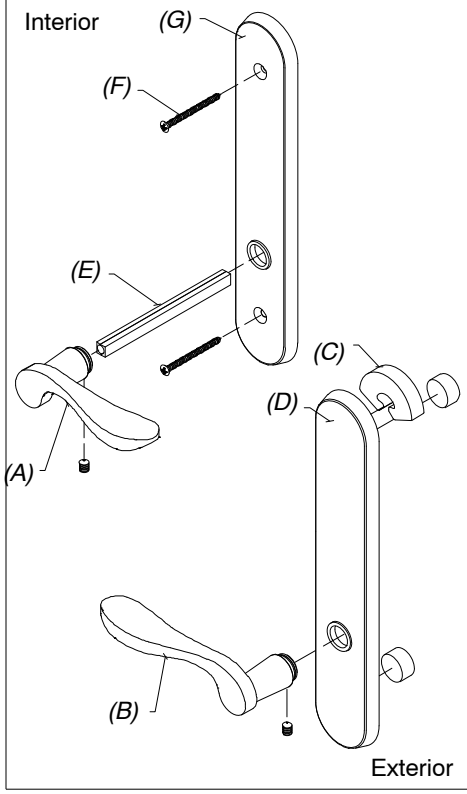
ILLUSTRATION *NOT TO SCALE*	DESCRIPTION	OPER./COLOR	PART NO.
	**Handle Assembly, Active Panel** ***Mortise Lock and Multi–Point Locks*** ***1/17/00 – Present*** *(Schlage "C" keyway)* Includes: *1 – Interior lever (A) with 00142006 spindle, escutcheon plate and hardware* *1 – Exterior lever (B) with escutcheon plate and hardware* *1 – Thumb turn (C) with hardware* *1 – Keyed cylinder (D) with housing and hardware* *1 – Exterior escutcheon plate gasket (E)* *1 – Exterior escutcheon plate (F)* *1 – Two piece spindle (G)* *2 – #10–32 x 2 1/8" Phillips ovalhead machine screws (H)* *1 – Interior escutcheon plate (I)* *2 – Keys*	Satin Taupe Antique Brass White Satin Chrome Oil Rubbed Bronze ORBZ PVD Brass PVD Satin Nickel PVD Dark Bronze Polished Chrome	10148114 10148116 10148119 10148112 10148111 10148109 10148160 10148110 10148169 10148117
	**Handle Assembly, Inactive/Dummy** ***Inactive Panel with Flush bolts or Multi–Point*** ***1/17/00 – Present*** Includes: *1 – Interior lever (A) with 00142006 spindle, escutcheon plate and hardware* *1 – Exterior lever (B) with escutcheon plate and hardware* *1 – Exterior escutcheon plate gasket (C)* *1 – Exterior escutcheon plate (D)* *1 – Two piece spindle (E)* *2 – #10–32 x 2 1/8" Phillips ovalhead machine screws (F)* *1 – Interior escutcheon plate (G)*	Satin Taupe Antique Brass White Satin Chrome Oil Rubbed Bronze ORBZ PVD Brass PVD Satin Nickel PVD Dark Bronze Polished Chrome	10148151 10148147 10148150 10148153 10148154 10148156 10148161 10148133 10148164 10148148

ILLUSTRATION *NOT TO SCALE*	DESCRIPTION	OPER./COLOR	PART NO.
	Lug seals		00142046
	Actuator with Rol–Pin ***9/25/00 – Present***		05570548
	#10–32 x 2 1/8″ *Phillips ovalhead machine screws*	Satin Taupe Antique Brass White Satin Chrome Oil Rubbed Bronze ORBZ PVD Brass PVD Satin Nickel PVD Dark Bronze	11800616 00143038 00143036 10840031 10840032 11800160 11800615 11801020 11800654
	Spindle Kit (Ashland) *Includes:* *1 – 2 piece. spindle, 4 3/8″* *2 – Set screws*		18900392
	Spindle Kit (Truth) *For ORBZ handles produced after March 2009.* *Includes:* *1 – 2 piece. spindle, 4 3/8″* *2 – Set screws*	ORBZ	02100942
	Key Cylinder, Lock (Schlage “C” keyway) For service replacement only.	Brass Face Chrome Face	00142000 00142001
	Strike Plate, Jamb – Mortise Lock or Multi–Point Lock* ***1/17/00 – Present (Amerock)*** Includes: *1 – Jamb strike plate* *2 – #8x1″ Brass Phillips flathead wood screws*	Stainless Steel Antique Brass ORBZ PVD Brass PVD	05700016 05700012 05700118 10148175
	Strike Plate, Panel – Mortise Lock or Multi–Point Lock* ***1/17/00 – Present (Amerock)*** Includes: *1 – Jamb strike plate* *2 – #8x1″ Brass Phillips flathead wood screws*	Stainless Steel Antique Brass ORBZ PVD Brass PVD	05700049 05700044 05700117 10148176
	Cover Plate, Active Panel – Mortise Lock or Multi–Point Lock* ***1/17/00 – Present (Amerock)*** Includes: *1 – Cover plate* *2 – #8x1″ Phillips flathead wood screws*	Stainless Steel Antique Brass ORBZ PVD Brass PVD	05700107 05700102 05700128 10148172

* Stainless Steel – 11800645, Dark Bronze – 11800652, PVD Brass – 11800536

NOTE: Dark Bronze screws are used with Antique Brass and Oil Rubbed Bronze PVD

PARTS

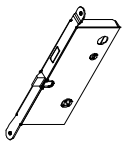
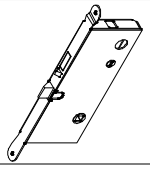
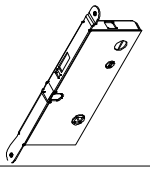
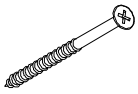
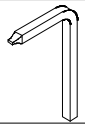
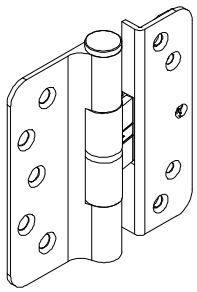
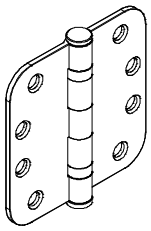
ILLUSTRATION *NOT TO SCALE*	DESCRIPTION	OPER./COLOR	PART NO.
	**Mortise Lock, Active Single–Point Lock** (latch, dead bolt only) ***1/17/00 – Present (Amerock)***		05700129
	**Mortise Lock, Active Multi–Point Lock** (latch, dead bolt and head/foot shoot bolts) ***1/17/00 – Present (Amerock)***		05700130
	**Mortise Lock, Inactive Multi–Point Lock** (head/foot shoot bolts) ***1/17/00 – Present (Amerock)***		05700131
	**Long Hinge Screw Package** ***OFD – std. UOFD – std.*** *Includes:* *4 –#10 X 2 1/2″ Screws* *1 – 5/32″ Allen wrench* *NOTE: Order Dark Bronze screw package for Dark Bronze, Antique Brass and Oil Rubbed Bronze Hinges. Order Stainless Steel screw package for Silver Frost, Satin Chrome and Satin Nickel PVD Hinges .*	TP GT DK BZ WH SS BS PVD	11800653 11800632 11800644 11800637 11800639 10148185
	**Construction Handle**		05700133
	Set Screw for Handle Assembly No longer available – See Spindle Kit		

ILLUSTRATION *NOT TO SCALE*	DESCRIPTION	HINGE COLOR	LEFT PART NO.	RIGHT PART NO.
	**Hinge Kit, Adjustable** *Includes:* *1 – Adjustable hinge* *1 – #10x2 1/2"Phillips flathead wood screws (jamb)* *5 – #10x3/4"Phillips flathead wood screws (jamb, stationary stile)* *4 – #8x1 1/2"Phillips flathead wood screws (panel)* NOTE: Hinge part number includes the color matched screws. If you need to order the screws separately, they are listed below.	TP GT SF DKBZ AB WH SC ORBZ ORBZ PVD BS PVD SN PVD	02101216 02101213 02101218 02101217 02101210 02101214 02101212 02101219 02101211 02101215 02101220	02101227 02101224 02101229 02101228 02101221 02101225 02101223 02101230 02101222 02101226 02101231

SCREW DESCRIPTION	SCREW COLOR/PART NO.		MATCHING HINGE COLOR
4 – #8x1 1/2"Phillips flathead wood screws (panel)	TP	11865177	TP
	GT	11865172	GT
	WH	11865173	WH
	DKBZ	02058013	AB, ORBZ PVD, DKBZ, ORBZ
	BS PVD	11865176	BS PVD
	SS	11865175	SC, SF, SN PVD
5 – #10x 3/4"Phillips flathead wood screws (jamb) (stationary stile)	TP	11800674	TP
	GT	11800670	GT
	WH	11800671	WH
	DKBZ	11800669	AB, ORBZ PVD, DKBZ, ORBZ
	BS PVD	11800673	BS PVD
	CHROME	11800672	SC, SF, SN PVD
1 – #10x2 1/2"Phillips flathead wood screws (jamb)	TP	11800683	TP
	GT	11800681	GT
	WH	11800682	WH
	DKBZ	11800680	AB, ORBZ PVD, DKBZ, ORBZ
	BS PVD	11800679	BS PVD
	SS	11800684	SC, SF, SN PVD

	**Ball Bearing Hinge Adjustable** 4″ x 4″	BS SC BZ	02100470 02100471 02100472

PARTS

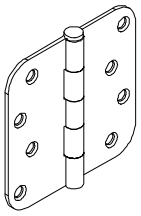
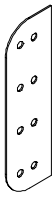
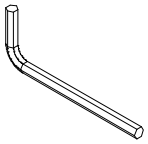
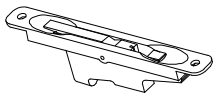
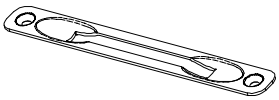
ILLUSTRATION *NOT TO SCALE*	DESCRIPTION	OPER./COLOR	PART NO.
	**4″ Butt Hinge** ***NRP = Non Removable Pin*** Includes: *7 – #9 x 1″ Phillips flathead wood screws (11213824)* *1 – #10 x 2 1/2″ Phillips flathead wood screws (frame) (11800679)*	BS SS	02101140 11809005
	**4″ Butt Hinge Shim**		10500222
	**5/32″Hex Key Adjustable Hinges**	Black Steel	02069592
	**Head or Foot Flush Bolt – Inactive Panel**	Black	11101780
	**Cover Plate for Flush Bolt** *Includes:* *1 – Cover plate* *2 – #8 x 1″ Stainless Steel Screw (11800645)*	Aluminum	11860402

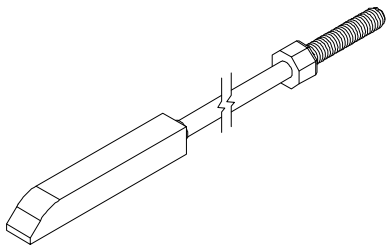
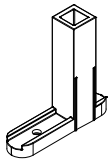
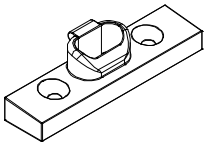
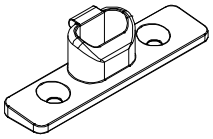
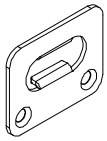
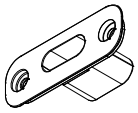
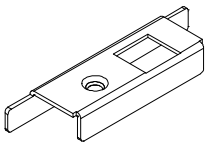
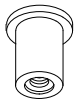
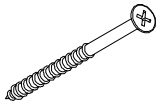
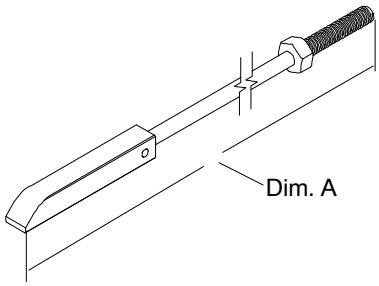
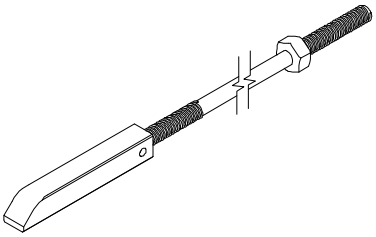
ILLUSTRATION *NOT TO SCALE*	DESCRIPTION	OPER./COLOR	PART NO.
	**Inactive Panel Locking Rod Assembly, Top or Bottom Flush Bolt (XX configuration)** ***1/17/00 – Present Includes:*** *1 – Locking rod with end bolt* NOTE: For 8-0 ht order top locking rod 05700185. **Height — Top Locking Rod Length** CN 6–6 ht* — 11″ CN 6–8 ht — 11″ CN 7–0 ht — 11″ CN 8–0 ht — 27″ **Height — Bottom Locking Rod Length** CN 6–6 ht* — 11″ CN 6–8 ht — 11″ CN 7–0 ht — 11″ CN 8–0 ht — 11″	Stainless Steel Stainless Steel	05700180 05700180 05700180 05700185 10815180
	**End Bolt Guide** ***Active Panels – w/Multi–Point*** ***Inactive Panels – All*** Includes: *1 – End Bolt guide* *1 – #8x1 1/2″ Phillips panhead wood screw (11865159)*		10815199
	**Sill Bolt, Stationary Outswing** Includes:	Zinc Die Cast	11869822
	**Sill Bolt, Center, Stationary** Includes:	Zinc Die Cast	11869821
	**Strike, Sill** Includes:	SS	10148080
	**Strike Plate, Head Jamb** Includes: *2 – #8 x 5/8″ Phillips trusshead stainless steel machine screws (head jamb)(11800815)* *2 – #8 x 3″ trusshead SS screw*	BG BZ	05700315 05700316
	**Stile End Plate** Includes:	SS	10148008 (LH) 10148007 (RH)

ILLUSTRATION *NOT TO SCALE*	DESCRIPTION	OPER./COLOR	PART NO.
	**Well–Nut Sill Strike**	Black	10830008
	**Installation Screw Package; Strike Plate(s) at head jamb, or locking jamb** #8 x 2 1/2″ Flathead wood screw Package of 4 Package of 4 Package of 4	 Stainless Steel Brass PVD Antique Brass	 11882349 11882343 11882347
	**Locking Rod Assembly, Top – Multi–Point Lock** ***3/02– Present (Amerock) 8–0 Height see History*** ***5/10/90 – Present (Amerock) 6–5, 6–8, & 7–0 Height*** Solid stainless steel rod with 1/4″ – 20 threads NOTE: For special heights give dimension A. **Height** / **Top Locking Rod Length** CN 6–6 ht / 35 7/16″ CN 6–8 ht / 37 15/16″ CN 7–0 ht / 41 15/16″ CN 8–0 ht / 51 7/16″	Stainless Steel	05700174 05700176 05700177 05700179
	**Locking Rod Assembly, Bottom for Multi–Point Lock** Solid stainless steel rod with 1/4″ – 20 threads **Height** / **Bottom Locking Rod Length** CN 6–6 ht* / 34 9/32″ CN 6–8 ht / 34 9/32″ CN 7–0 ht / 34 9/32″ CN 8–0 ht / 34 9/32″	Stainless Steel	10815170

* Can be used for obsolete 6–5 height.

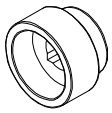
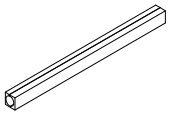
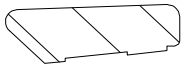
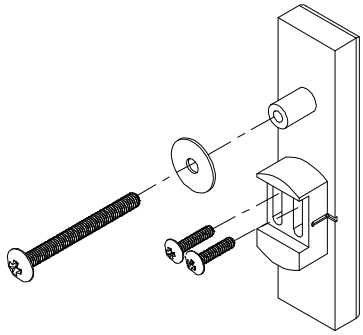
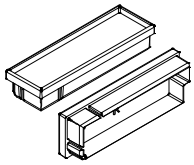
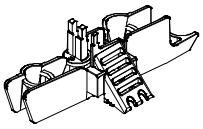
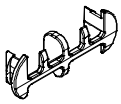
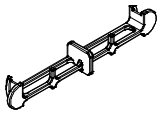
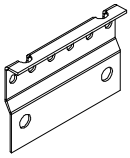
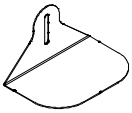
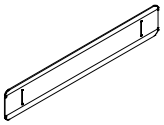
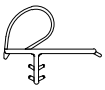
ILLUSTRATION *NOT TO SCALE*	DESCRIPTION	OPER./COLOR	PART NO.
	**3/4″ Handle Extension** **Requires 3/4″ Spindle Extension**	TP WH BS PVD AB ORBZ ORBZ PVD SC SN PVD PC DK BZ	10830048 10830054 10830050 10830052 10833038 10830012 10830036 10833037 10830056 10833039
	3/8″ Handle Extension **Requires 3/8″ Spindle Extension**	TP WH BS AB ORBZ ORBZ PVD SC SN PVD PC DK BZ	10830049 10830055 N/A 10830053 10830039 10830011 10830037 10830038 N/A 10833040
	**3/8″ Spindle Extension 5.061″**		00142052
	**Sill Cover**	Mahogany/Red Oak 34 1/16″ (864) 69 1/4″ (1758) 92 7/16″ (2347) 123 5/8″ (3139) 163 5/8″ (4155)	74005930 74005960 74005980 74005910 74005914
	**Construction Lock Assembly** For Marvin residential swinging and sliding doors with standard locks. *Includes:* *1 – Construction Lock Cover* *1 – Construction Lock Hole Cover* *1 – Washer* *2 – #6–32 X 5/8″ Phillips TH screws* *1 – #10–32 X 2″ Phillips TH screw*	Each 25/Box	18450200 18450198

ILLUSTRATION *NOT TO SCALE*	DESCRIPTION	OPER./COLOR	PART NO.
RH Shown 	**End Plug, Flat Casing**	LH BG RH BG LH BZ RH BZ	11869852 11869850 11869853 11869851
	**Sill End Plug**	LH BK RH BK	11869836 11869837
	**Sill Outlet Drain Cover**	BK	15633100
	**Sill Drain Cover**	BG BZ	15633101 15633102
	Head Jamb Spacer Tack; Stationary Panel		11860424
	Jamb Spacer Tack; Stationary Panel 3/4″ Diameter Head (replaced 7/16″ diameter head)		11860423
	**Stationary Panel Bracket** Wood and Clad Field Service		11860216
	**Bracket, Jamb–Align**		11841019
	**Receiver, Jamb Align**		11841002

WEATHER STRIP AND VINYL

When ordering replacement weather strip or vinyl parts, specify:

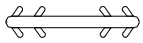
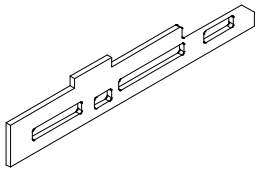
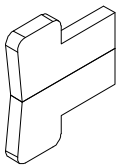
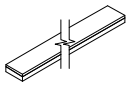
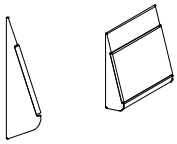
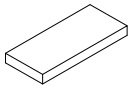
1. quantity;
2. length;
3. part number;
4. description.

ILLUSTRATION *NOT TO SCALE*	DESCRIPTION	LENGTH	COLOR	PART NUMBER
	Weather Strip, Sill V2026	47 1/8″ 47 1/8″ 62 5/16″ 62 5/16″ 82 5/16″ 82 5/16″ 105 1/2″ 105 1/2″ 164 11/16″ 164 11/16″	BG BK BG BK BG BK BG BK BG BK	11208440 11208540 11208454 11208554 11208470 11208570 11208490 11208590 11208499 11208599
	**Offset Bulb Weather Strip, Parting Stop, Frame, Mull Casing, Transom and Astragal** V796	41 1/4″ 92 7/8″ 92 7/8″ 164 13/16″	BG BG BK BG	15171136 15170082 15170083 15172140
	Weather Strip, Stile V020	79 9/16″ 92 15/16″ 150″ 150″	BG BG BG BK	11197968 11197982 11197999 11197998
	Weather Strip, Panel Cover V018	150″ 150″	BG BK	11197799 11197798
	Panel Drip V2115	CN 1–6 CN 2–0 CN 2–6 CN 2–8 CN 3–0 CN 3–6 CN 2666 CN 3066 Lineal	BG BG BG BG BG BG BG BG BG	11199216 11199220 11199227 11199228 11199231 11199236 11199226 11199230 11199272
		CN 1–6 CN 2–0 CN 2–6 CN 2–8 CN 3–0 CN 3–6 CN 2666 CN 3066 Lineal	BK BK BK BK BK BK BK BK BK	11199316 11199320 11199327 11199328 11199331 11199336 11199323 11199330 11199372

WEATHER STRIP AND VINYL

ILLUSTRATION *NOT TO SCALE*	DESCRIPTION	LENGTH	COLOR	PART NUMBER	
	Frame Vinyl, Head Jamb V2114	17 11/16″	BG	11208016	
		29 5/16″	BG	11208026	
		31 5/16″	BG	11208028	
		35 5/16″	BG	11208030	
		46 1/2″	BG	11208040	
		58 1/2″	BG	11208050	
		62 1/2″	BG	11208054	
		70 1/2″	BG	11208060	
		82 1/2″	BG	11208070	
		56 7/8″	BG	11208051	
		68 7/8″	BG	11208061	
		93 11/16″	BG	11208080	
		105 11/16″	BG	11208090	
		116 7/8″	BG	11208010	
		124 7/8″	BG	11208011	
		140 7/8″	BG	11208012	
		164 7/8″	BG	11208099	
		29 5/16″	BK	11208226	
		31 5/16″	BK	11208228	
		35 5/16″	BK	11208230	
		46 1/2″	BK	11208240	
		58 1/2″	BK	11208250	
		62 1/2″	BK	11208254	
		70 1/2″	BK	11208260	
		82 1/2″	BK	11208270	
		105 11/16″	BK	11208290	
		124 7/8″	BK	11208211	
		140 7/8″	BK	11208212	
		164 7/8″	BK	11208299	
	Frame Vinyl, Jamb V2114	**LENGTH**	**COLOR**	**LH PART NUMBER**	**RH PART NUMBER**
		77 11/16″	BG	11208167	11208166
		79 43/64″	BG	11208169	11208168
		83 43/64″	BG	11208171	11208170
		93 11/16″	BG	11208181	11208180
		77 11/16″	BK	11208367	11208366
		79 43/64″	BK	11208369	11208368
		83 43/64″	BK	11208371	11208370
		93 11/16″	BK	11208381	11208380

WEATHER STRIP AND VINYL

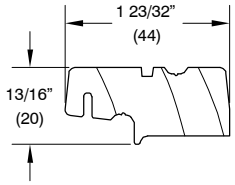
ILLUSTRATION *NOT TO SCALE*	DESCRIPTION	LENGTH	COLOR	PART NUMBER
	**Connecting Barb** V803 NOTE: Color may vary depending on current stock. Wood Door, Wood and Clad Transom only	Specify Length		15812999
	Dust Block, Part Stop 1 3/8″ x 3/8″x 1/2″		GY BG	15600010 15600011
	**Gasket, Sill to Jamb** **4 9/16″** Adhesive backed *Includes* *1 – LH and 1–RH*		GY	15600020
	**Corner Gasket** Adhesive backed		BK	10500434
	Gasket, Jamb Weather Strip 3/4″– Header Adhesive backed		BK	10500542
	**Butyl Foam Tape** **3/16″ Width** Adhesive backed	25 FT Roll	BK	11406232
	**Sill Interior Filler Block** V2077		BG BZ	11124200 11124201
	**Part Stop Gasket** Adhesive backed		BK	15600028

REPLACEMENT WOOD PARTS

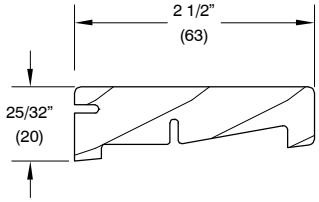
CURRENT REPLACEMENT WOOD PARTS

ULTIMATE OUTSWING FRENCH DOOR

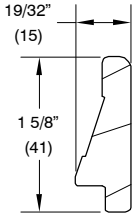
	Wood	Clad
Mulling Case Base	W10860	W10860
Sill Cover – In–Sash Transom	W11398	W11398
Sill Liner (Mahogany/Red Oak)	W10935	W10935
Jamb Stop	W11409	W11409
Mull Casing Cover	W10861	W10861
Sill Nosing – Transom	W8653	
Exterior Part Stop – Transom	W8474	
Top Rail Block – In–Sash Transom	W11533	W11533



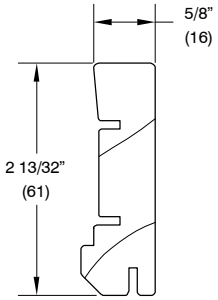
W10860 – Mulling Case Base



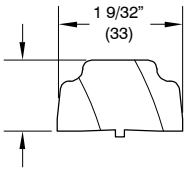
W11398 – Sill Cover Transom



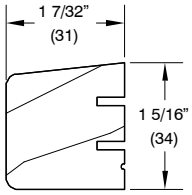
W10935 – Sill Liner
Oak – Standard
Cherry or Mahogany – Optional



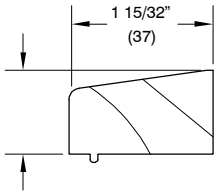
W11409 – Jamb Stop



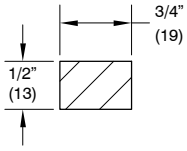
W10861 – Mull Case Cover



W8653 – Sill Nosing Transom



W8474 – Exterior Part Stop Transom



W11533 – Top Rail Block

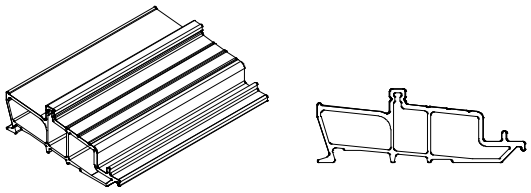
TO ORDER REPLACEMENT WOOD PARTS

When ordering replacement wood parts specify:

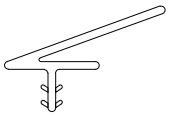
1. profile number;
2. rough opening;
3. handing;
4. length;
5. finish;
6. radius (if applicable).

ORDERING REPLACEMENT VINYL, ALUMINUM OR FIBERGLASS PARTS FOR THE ULTIMATE OUTSWING FRENCH DOOR

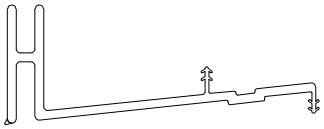
	Wood	Clad
Ultrex Sill, 4 9/16″ Jambs (includes weep system, sill liner and Weather Strip) – Beige or Bronze	F2050	F2050
Sash Retainer (Transom) – Beige or Black	V026	V026
Sill Leveling Block (Transom) – Beige or Black	V2109	V2109



F2050 – Ultrex Sill,
4 9/16″ Jambs



V026 – Sash
Retainer
(Transom)



V2109 – Sill
Leveling Block
(In–Sash Transom)

TO ORDER REPLACEMENT PARTS

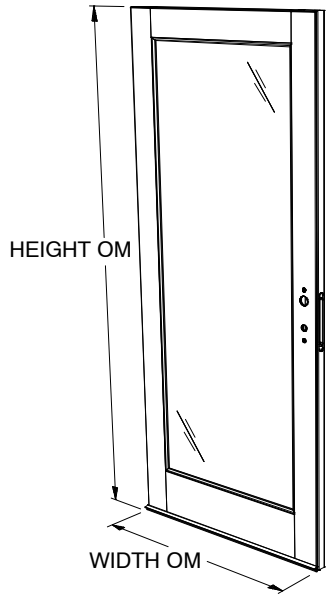
When ordering replacement parts specify:

1. profile number;
2. rough opening;
3. length;
4. handing;
5. finish (where applicable).

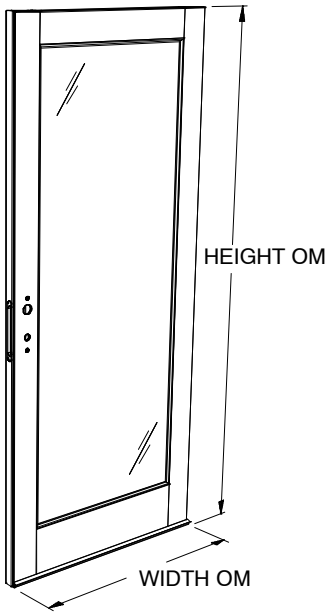
ORDERING REPLACEMENT PANELS FOR THE WOOD AND CLAD ULTIMATE OUTSWING FRENCH DOOR

To order replacement panels specify:

1. OM of panel;
   NOTE: OM of panel does not include astragal, mull casing or sweep.
2. active, inactive or stationary
   a. Active – specify no lock (no bore), bore for passage latch/dead bolt, single–point mortise lock or multi–point mortise lock .
   b. Inactive – specify head or foot bolts or multi–point mortise lock.
   c. Stationary – specify configuration and astragal or mull casing (if applicable).
3. handing;
4. glazing;
5. finish;
6. glazing bead profile
   a. bevel
   b. square



Wood Active Panel
Exterior View



Clad Active Panel
Exterior View

NOTE: Weather Strip is included with all panels (where applicable).

Active panels include panel sweep, bored for passage/dead bolt, single–point mortise lock, or multi-point mortise lock system.

Inactive panels include panel sweep, astragal, configured for head and foot bolts or multi-point lock system.

Stationary 1 wide panels include panel sweep and sill bolts.

Stationary 2, 3 or 4 wide panels include panel sweep, sill bolts and mull casing.

ORDERING ENERGY PANELS FOR SINGLE GLAZED WOOD ULTIMATE OUTSWING FRENCH DOOR

If you are replacing an existing energy panel, determine the outside measurement of the existing energy panel. Find the sizes that correspond to the width and height indicated on the following chart. Energy panels are available for the single glazed Wood Ultimate Outswing French Doors. Aluminum surrounds are available in bronze, stone white, brown, pebble gray or evergreen.

When ordering energy panels specify:

1. size; If there is no existing EP from which to obtain the OM of the panel, determine the size of the EP by using the conversion chart below. The daylight opening is the measurement of the visible glass.
2. color of surround;
3. glass type;

Single Glazed Wood Ultimate Outswing

Wood Ultimate Outswing French Doors manufactured 1/17/00 – Present

Daylight Opening to OM of EP

Daylight Width + 1 3/8″ = OM Width of EP
Daylight Height + 1 3/8″ = OM Height of EP

WIDTH			HEIGHT	
SIZE		**OM–WIDTH**	**SIZE**	**OM–HEIGHT**
CN 1–6	(6-5 ht.)	12 7/8″	CN 6-5	64 1/4″
CN 2-6	(6-5 ht.)	19 15/32″		
CN 3-0	(6-5 ht.)	25 15/32″		
CN 1–6	(6-6 ht.)	12 7/8″	CN 6-6	65″
CN 2-6	(6-6 ht.)	20 5/32″		
CN 3-0	(6-6 ht.)	26 5/32″		
CN 1–6		12 7/8″	CN 6-8	67 1/2″
CN 2–0		14 31/32″	CN 7-0	71 1/2″
CN 2–6		20 31/32″	CN 8-0	81″
CN 2–8		22 31/32″		
CN 3–0		26 31/32″		
CN 3–6		32 31/32″		

ENERGY PANELS AND PARTS

ENERGY PANEL PARTS

Energy panels are attached with turn buttons. Turn button styles may vary depending on current stock. You will receive the most current style in the color of your choice. (Discontinued black turn buttons will be replaced by brown.)

When ordering energy panel parts specify:

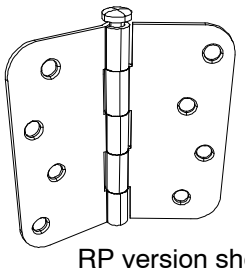
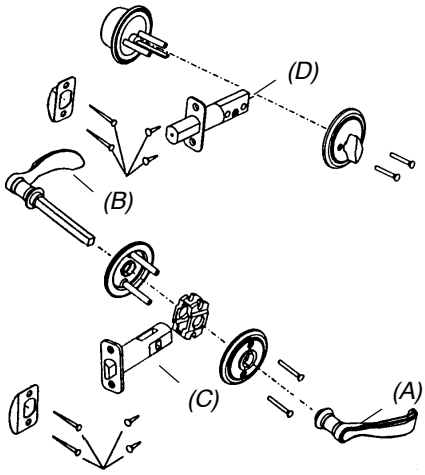
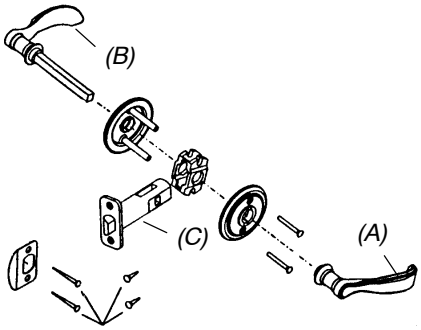
1. quantity;
2. description;
3. color;
4. part number.

ILLUSTRATION *NOT TO SCALE*	DESCRIPTION	COLOR	PART NUMBER	
	Turn Button All turn buttons include a #8x3/4″ SS full thread screw		Each	Pkg of 50
		SW	11869294	11869314
		CL	11869309	11869315
		PB	11869292	11869312
		BZ	11869291	11869311
		BN	11869293	11869313

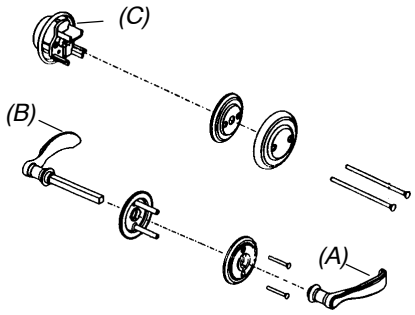
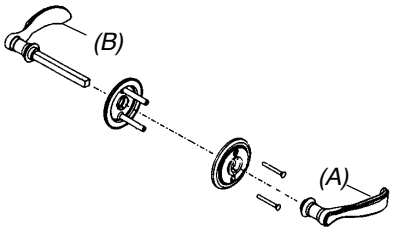
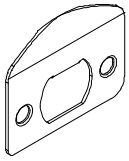
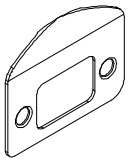
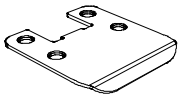
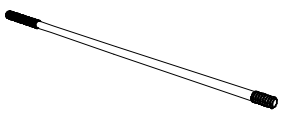
OBSOLETE PARTS

When ordering replacement parts specify:

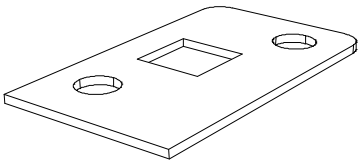
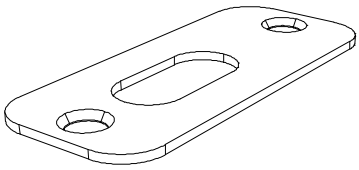
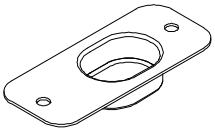
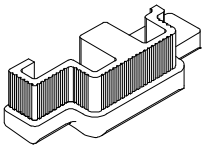
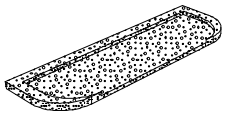
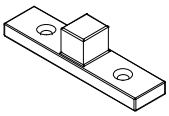
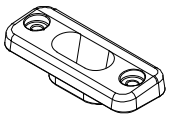
1. type of unit;
2. part number;
3. description.

ILLUSTRATION *NOT TO SCALE*	DESCRIPTION	OPER./COLOR	PART NO.
 RP version shown	**Hinge, Outswing Doors** ***Wood Outswing French Door 1989 – 1/17/00.*** ***Clad Outswing French Door 1990 – 1/17/00.*** Includes: *1 – 4″ hinge* *4 – #10x1″ Phillips flathead wood screws (panel)* *3 – #10x3/4″ Phillips flathead wood screws (frame)* *1 – #10x2 1/2″ Phillips flathead wood screws (frame) Brass*	Solid Brass RP SS NRP RP	NA
	**Lever Set, Complete, Solid Brass** ***Wood Outswing French Door 1989 – 1/17/00.*** ***Clad Outswing French Door 1990 – 1/17/00.*** Schlage “C” Keyway Includes: *1 – Solid brass interior passage handle (A)* *1 – Solid brass exterior passage handle (B) with spindle* *1 – Passage latch assembly (C) with cover plates and 05700003 strike plate* *1 – Deadbolt assembly (D) with cover plates and 05700002 strike plate* *2 – Keys* *1 – Installation screw package with Allen wrench and instructions*		10144000
	**Lever Set, Solid Brass** ***Wood Outswing French Door 1989 – 1/17/00.*** ***Clad Outswing French Door 1990 – 1/17/00.*** Includes: *1 – Solid brass interior passage handle (A)* *1 – Solid brass exterior passage handle (B) with spindle* *1 – Passage latch assembly (C) with cover plates and 05700003 strike plate* *1 – Installation screw package with Allen wrench and instructions*		Check for availability

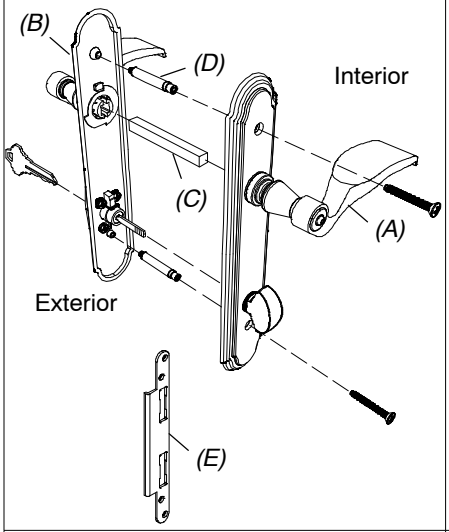
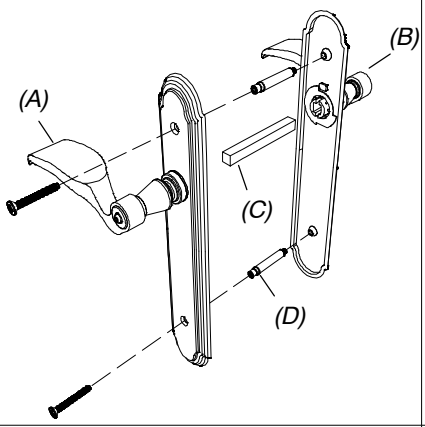
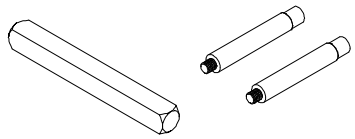
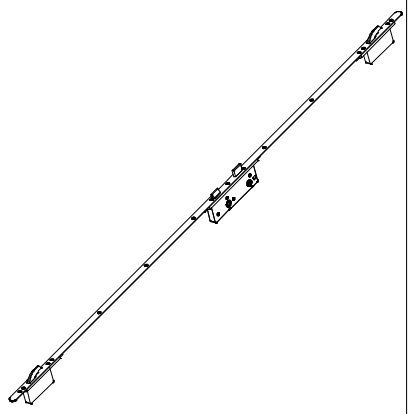
OBSOLETE PARTS

ILLUSTRATION *NOT TO SCALE*	DESCRIPTION	OPER./COLOR	PART NO.
	**Lever Set, Dummy (with dummy deadbolt), Solid Brass** ***Wood Outswing French Door 1989 – 1/17/00.*** ***Clad Outswing French Door 1990 – 1/17/00.*** Includes: *1 – Solid brass dummy interior passage handle (A) with cover plate* *1 – Solid brass dummy exterior passage handle (B) with spindle and cover plate* *1 – Dummy deadbolt assembly (C) with cover plate* *1 – Installation screw package with instructions*		Check for availability
	**Lever Set, Dummy, Solid Brass** ***Wood Outswing French Door 1989 – 1/17/00.*** ***Clad Outswing French Door 1990 – 1/17/00.*** Includes: *1 – Solid brass dummy interior passage handle (A) with cover plate* *1 – Solid brass dummy exterior passage handle (B) with spindle and cover plate* *1 – Installation screw package with instructions*		Check for availability
	**Strike Plate, Lever Set, Solid Brass** ***Wood Outswing French Door 1989 – 1/17/00.*** ***Clad Outswing French Door 1990 – 1/17/00.*** Includes: *1 – Strike plate* *2 – #6x2″ Phillips flathead wood screws*		NA
	**Strike Plate, Deadbolt, Solid Brass** ***Wood Outswing French Door 1989 – 1/17/00.*** ***Clad Outswing French Door 1990 – 1/17/00.*** Includes: *1 – Strike plate* *2 – #6x2″ Phillips flathead wood screws*		05700002
	**Strike Plate, Lever Set, Solid Brass** ***Wood Ultimate Outswing French Door 1989 – 1/17/00.*** ***Clad Outswing French Door 1990 – 1/17/00.*** For single panel door Includes: *1 – Strike plate* *4 – #6x2″ Phillips flathead wood screws*		NA
	**Extension Rod** ***Wood Outswing French Door 1989 – 1/17/00.*** ***Clad Outswing French Door 1990 – 1/17/00.*** For head or foot bolt 9 11/16″ 25 11/16″		16152002 NA
	Stop clip with screws NA as individual part – 02–2011		NA

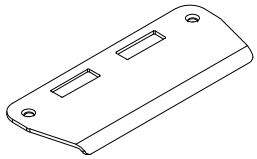
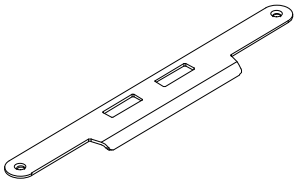
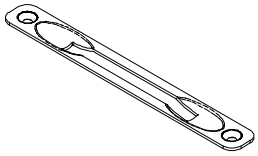
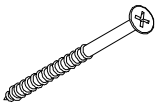
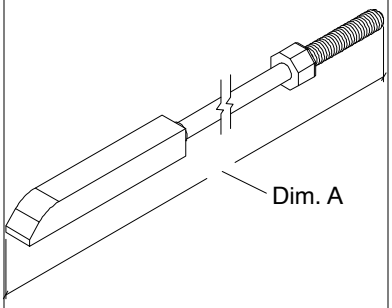
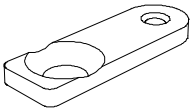
OBSOLETE PARTS

ILLUSTRATION *NOT TO SCALE*	DESCRIPTION	OPER./COLOR	PART NO.
	Inactive Panel Flush Bolt ***3/16″ radius corners, replace with current flush bolt (1/4″ radius corners)*** Includes: 1 – Flush bolt *4 – #6 x 1 1/2″ Phillips flathead wood screws*	Brass Antique Brass Polished Chrome Brushed Chrome White	No longer available
	End Bolt – Head/Foot Bolt ***Wood Outswing French Door 1989 – 1/17/00.*** ***Clad Outswing French Door 1990 – 1/17/00.***		No longer available
	**Head or Foot Bolt Guide Plate** ***Wood Ultimate Outswing French Door 1989 – 1/17/00.*** ***Clad Outswing French Door 1990 – 1/17/00.*** Includes: 1 – Guide plate *2 – #6x1 1/2″ Phillips flathead wood screws*	ZYD	No longer available
	**Head or Foot Bolt Strike Plate** ***Wood Outswing French Door 1989 – 1/17/00.*** ***Clad Outswing French Door 1990 – 1/17/00.*** Includes: 1 – Foot bolt guide plate *2 – #6x3/8″ Phillips flathead wood screws*	Solid Brass Polished Chrome Brushed Chrome	N/A NA NA
	**Foot Bolt Receiver Cup** ***Wood Outswing French Door 1989 – 1/17/00.*** ***Clad Outswing French Door 1990 – 1/17/00.***	BG	16152015
	**Active Astragal Bottom Cap** ***Clad Outswing French Door 1990 – 1/17/00.*** Clad Outswing door only	LH BG RH BG	11867701 11867700
	**Hinge Pocket Gasket, Butyl** ***Clad Outswing French Door 1990 – 1/17/00.*** Clad Outswing door only		NA
	**Sill Bolt, Stationary Panel (pre 07/2012)** Includes: *2 – #8 x 3″ Phillips flathead wood screws (11800830)*	Zinc Die Cast	11101856
	**Strike, Sill (pre 07/2012)** Includes: *1 – Strike plate* *2 – #8 x 5/8″ Phillips trusshead stainless steel machine screws (sill)(11800726)* *2 – Well–nut threaded insert 10830008*	BG BZ	18900365 18900368

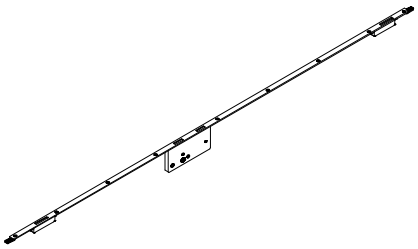
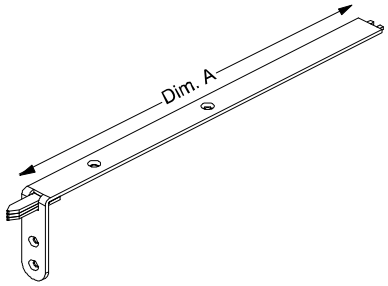
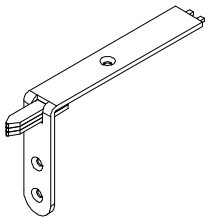
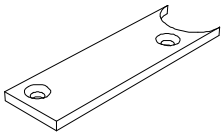
OBSOLETE PARTS

ILLUSTRATION *NOT TO SCALE*	DESCRIPTION	OPER./COLOR	PART NO.
	**Multi-Point Handle, Active, Solid Brass (Essve)** ***Wood Outswing French Door 1989 – 1/17/00.*** ***Clad Outswing French Door 1990 – 1/17/00.*** (Weiser keyway before 7/97) (Schlage keyway 7/97 to present) Includes: *1 – Interior handle (A) with escutcheon plate and thumb turn* *1 – Exterior handle (B) with escutcheon plate and keyed cylinder* *1 – Spindle (C)* *2 – Escutcheon mounting extensions (D)* *1 – Jamb strike (center) (E)* *2 – Keys* *2 – #10 – 24x1 1/2″ Phillips ovalhead machine screws* *4 – #7x5/8″ Phillips flathead wood screws (Strike)*	LH RH	NA
	**Multi-Point Handle, Inactive, Solid Brass (Essve)** ***Wood Outswing French Door 1989 – 1/17/00.*** ***Clad Outswing French Door 1990 – 1/17/00.*** Includes: *1 – Interior handle (A) with escutcheon plate* *1 – Exterior handle (B) with escutcheon plate* *1 – Spindle (C)* *2 – Escutcheon mounting extensions (D)* *2 – #10–24x1 1/2″ Phillips ovalhead machine screws*	LH RH	NA
	**Spindle Package for Multi-Point Handle (Essve)** ***Wood Outswing French Door 1989 – 1/17/00.*** ***Clad Outswing French Door 1990 – 1/17/00.*** Includes: *1 - Spindle* *2 - Escutcheon mounting extensions*		NA
	**Active Multi–Point Hardware Assembly (Essve)** ***Wood Outswing French Door 1989 – 1/17/00.*** ***Clad Outswing French Door 1990 – 1/17/00.*** Includes: *1 – Multi-Point hardware assembly (with mortise locks)* *9 – #6x1 1/2″ Phillips flathead wood screws* CN 6-5, 6-8 or 7-0 ht. CN 8-0 ht.	LH RH LH RH	NA

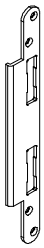
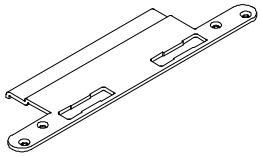
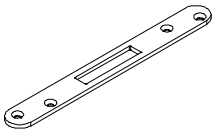
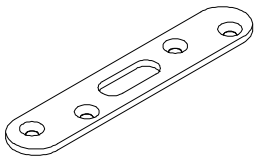
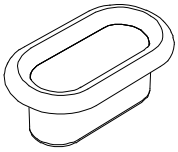
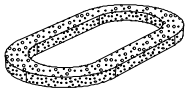
OBSOLETE PARTS

ILLUSTRATION *NOT TO SCALE*	DESCRIPTION	OPER./COLOR	PART NO.
	**Strike Plate, Jamb – Mortise Lock or Multi–Point Lock** ***1/17/00 – 3/31/03(Amerock)*** Includes: *1 – Jamb strike plate* *2 – #8x1″ Brass Phillips flathead wood screws*	Polished Chrome Brushed Chrome White	NA
	**Strike Plate, Panel – Mortise Lock or Multi–Point Lock** ***1/17/00 – 3/31/03 (Amerock)*** Includes: *1 – Jamb strike plate* *2 – #8x1″ Brass Phillips flathead wood screws*	Polished Chrome Brushed Chrome White	NA
	Cover Plate, Active Panel – Mortise Lock or Multi–Point Lock ***1/17/00 – 3/31/03 (Amerock)*** Includes: *1 – Cover plate* *2 – #8x1″ Phillips flathead wood screws*	Polished Chrome Brushed Chrome White	NA
	**Cover Plate for Flush Bolt** *Includes:* *1 – Cover plate* *2 – #9 x 1″ Screws*	Polished Chrome Brushed Chrome White Brass Antique Brass PVD Brass	NA
	**Installation Screw Package; Strike Plate(s) at head jamb, or locking jamb** ***FD – std. UFD – std.*** #8 x 3″ Flathead wood screw Package of 4	White	11882348
	**Locking Rod Assembly, Top – Multi–Point Lock** ***3/02– Present (Amerock) 8–0 Height see History*** ***5/10/90 – Present (Amerock) 6–5, 6–8, & 7–0 Height*** Solid stainless steel rod with 1/4″ – 20 threads NOTE: For special heights give dimension A. **Height** — **Top Locking Rod Length** CN 6–5 ht — 34 11/16″	Stainless Steel	05700175
	**Inactive Panel Backset Extension – Head or Foot Flush Bolt** With 1/4″ – 20 threads Includes: *1 – Backset extension* *1 – 1/4″ –20 x3/4″ Phillips flathead machine screw*		16152011

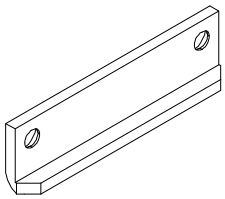
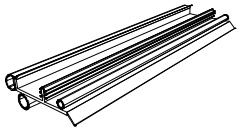
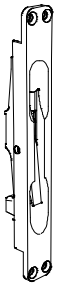
OBSOLETE PARTS

ILLUSTRATION *NOT TO SCALE*	DESCRIPTION	OPER./COLOR	PART NO.
	**Inactive Multi-Point Hardware Assembly (Essve)** ***Wood Outswing French Door 1989 – 1/17/00.*** ***Clad Outswing French Door 1990 – 1/17/00.*** Includes: *1 – Inactive multi-point hardware assembly* *9 – #6X1 1/2″ phillips flathead wood screws* CN 6-5, 6-8 and 7-0 ht. CN 8-0 ht.		NA
	**Multi-Point Top Corner Drive (Essve)** ***Wood Ultimate Outswing French Door 1989 – 1/17/00.*** ***Clad Outswing French Door 1990 – 1/17/00.*** For Inactive panel with multi–point Includes: *1 – Top corner drive* *Attached with #6x1/2″ Phillips flathead wood screws* CN 6-8 ht. 7 29/64″ (189) CN 7-0 ht. 11 15/32″ (291) CN 8-0 ht. 10 5/16″ (262) CN 6-5 ht. 3 3/4″ (95) NOTE: For special heights give Dimension A.		NA
	**Multi-Point Bottom Corner Drive (Essve)** ***Wood Outswing French Door 1989 – 1/17/00.*** ***Clad Outswing French Door 1990 – 1/17/00.*** For Inactive panel with multi-point 4 13/32″ (112) Includes: *1 – Bottom corner drive* *3 – #6x1/2″ Phillips flathead wood screws*		NA
	**Corner Drive Filler; Multi–Point Lock (Essve)** ***Wood Outswing French Door 1989 – 1/17/00.*** ***Clad Outswing French Door 1990 – 1/17/00.*** Includes: *1 – Corner drive filler* *2 – #6 x 1 1/2″ Phillips flathead wood screws*		NA

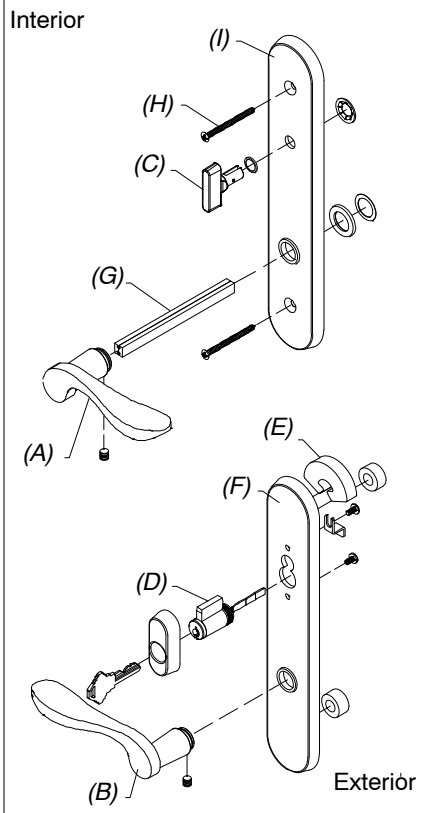
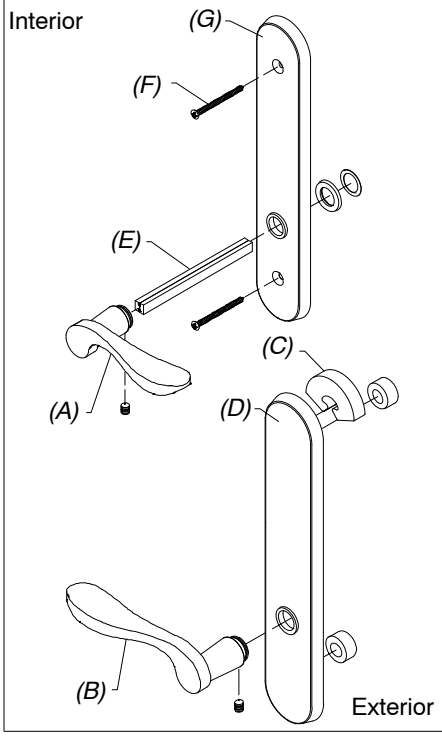
OBSOLETE PARTS

ILLUSTRATION *NOT TO SCALE*	DESCRIPTION	OPER./COLOR	PART NO.
	**Jamb Strike, Center, Solid Brass; Multi−Point Lock (Essve)** ***Wood Outswing French Door 1989 − 1/17/00.*** ***Clad Outswing French Door 1990 − 1/17/00.*** Includes: *1 − Jamb strike* *4 − #7 x 5/8″ Phillips flathead wood screws*		02100977
	**Jamb Strike, Center, Extended, Solid Brass; Multi−Point Lock (Essve)** ***Wood Outswing French Door 1989 − 1/17/00.*** ***Clad Outswing French Door 1990 − 1/17/00.*** Includes: *1 − Extended jamb strike* *4 − #7x5/8″ Phillips flathead wood screws*		NA
	**Jamb Strike, Top or Bottom, Solid Brass; Multi−Point Lock (Essve)** ***Wood Outswing French Door 1989 − 1/17/00.*** ***Clad Outswing French Door 1990 − 1/17/00.*** Includes: *1 − Jamb strike* *4 − #7 x 5/8 Phillips flathead screws*		NA
	**Strike, Inactive Panel, Head Jamb; Multi−Point Lock (Essve)** ***Wood Outswing French Door 1989 − 1/17/00.*** ***Clad Outswing French Door 1990 − 1/17/00.*** Includes: *1 − Strike* *4 − #7x5/8″ Phillips flathead wood screws*		NA
	**Corner Drive Sill Receptacle, Solid Brass; Multi−Point Lock (Essve)** ***Wood Outswing French Door 1989 − 1/17/00.*** ***Clad Outswing French Door 1990 − 1/17/00.***		16151300
	**Sill Receptacle Gasket; Multi−Point Lock** ***Wood Outswing French Door 1989 − 1/17/00.*** ***Clad Outswing French Door 1990 − 1/17/00.*** For corner drive sill receptacle		NA

OBSOLETE PARTS

ILLUSTRATION *NOT TO SCALE*	DESCRIPTION	OPER./COLOR	PART NO.
	**Astragal Strike Latch; Multi–Point Lock (Essve)** ***Wood Outswing French Door 1989 – 1/17/00.*** ***Clad Outswing French Door 1990 – 1/17/00.*** Inactive panel with multi-point hardware Includes: *1 – Latch* *2 – #7x5/8″ Phillips flathead wood screws*		10815117
	**Sweep V212** ***Wood Outswing French Door 1989 – 1/17/00.*** ***Clad Outswing French Door 1990 – 1/17/00.*** 37″ 144″	BG	NA 11187095
	**Head or Foot Flush Bolt – Inactive Panel OLCD, FD, UFD, std.** Includes: 1 – Head or foot bolt *4 – #6 x 3/4″ Phillips flathead wood screws*	SB AB PC WH	NA 11101767 11101768 NA

OBSOLETE PARTS

ILLUSTRATION *NOT TO SCALE*	DESCRIPTION	OPER./COLOR	PART NO.
	**Handle Assembly, Active Panel** ***Mortise Lock and Multi–Point Locks*** *(Schlage "C" keyway)* Includes: *1 – Interior lever (A) with 00142006 spindle, escutcheon plate and hardware* *1 – Exterior lever (B) with escutcheon plate and hardware* *1 – Thumb turn (C) with hardware* *1 – Keyed cylinder (D) with housing and hardware* *1 – Exterior escutcheon plate gasket (E)* *1 – Exterior escutcheon plate (F)* *1 – Two piece spindle (G)* *2 – #10–32x2" Phillips ovalhead machine screws (H)* *1 – Interior Escutcheon plate (I)* *2 – Keys*	Polished Chrome Brushed Chrome	10148117 10148118
	**Handle Assembly, Inactive/Dummy** ***Inactive Panel with Flush bolts*** Includes: *1 – Interior lever (A) with 00142006 spindle, escutcheon plate and hardware* *1 – Exterior lever (B) with escutcheon plate and hardware* *1 – Exterior escutcheon plate gasket (C)* *1 – Exterior escutcheon plate (D)* *1 – Two piece spindle (E)* *2 – #10–32x2" Phillips ovalhead machine screws (F)* *1 – Interior Escutcheon plate (G)*	Polished Chrome Brushed Chrome	10148148 10148149

OBSOLETE PARTS

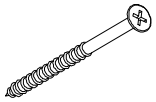
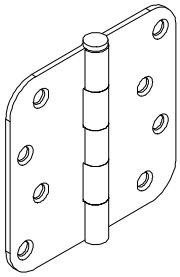
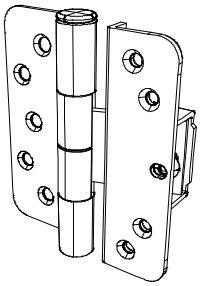
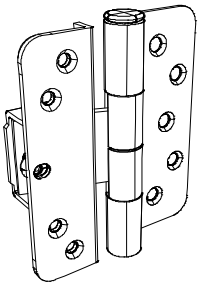
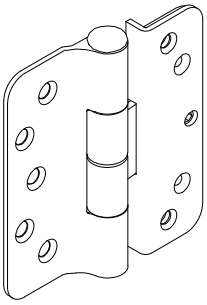
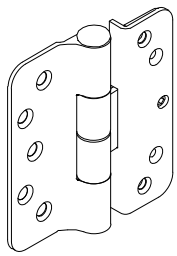
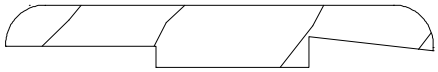
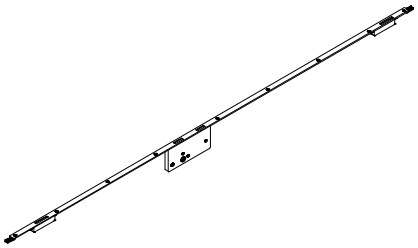
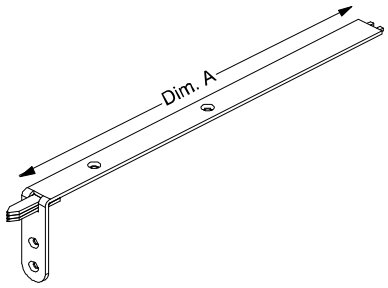
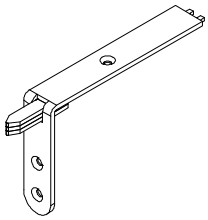
ILLUSTRATION *NOT TO SCALE*	DESCRIPTION	OPER./COLOR	PART NO.
	#10–32x2″ Phillips ovalhead machine screws	Polished Chrome	NA
	**Installation Screw Package; Strike Plate(s) at head jamb, sill, or locking jamb** #8 x 2 1/2″ Flathead wood screw Package of 4	White	11882348
	**Hinge, Ball Bearing** ***OLCD*** Includes: 1 – Ball bearing hinge *8 – #12 x 1 1/4″ Phillips flathead wood screws* NOTE: Screws are packaged with hinges from manufacturer, no part number available.	Solid Brass Satin Chrome	02100578 02100579
	**Hinge, Adjustable, Left Hand 2000–2005** Includes: *1 – #10 x 2 1/2″Phillips flathead wood screws (jamb)* *4 – #10 x 1″Phillips flathead wood screws (jamb) or* *5 – #10 x 1″Phillips flathead wood screws (stationary stile)* *4 – #8 x 1 1/2″Phillips flathead wood screws (panel)* *1 – 5/32″ Allen wrench (adjustment)*	Polished Chrome Satin Taupe Gold Tone Silver Frost Dark Bronze White	NA Use current hinge.
	**Hinge, Adjustable, Right Hand 2000–2005** Includes: *1 – #10 x 2 1/2″Phillips flathead wood screws (jamb)* *4 – #10 x 1″Phillips flathead wood screws (jamb) or* *5 – #10 x 1″Phillips flathead wood screws (stationary stile)* *4 – #8 x 1 1/2″Phillips flathead wood screws (panel)* *1 – 5/32″ Allen wrench (adjustment)*	Polished Chrome Satin Taupe Gold Tone Silver Frost Dark Bronze White	NA Use current hinge.
	**Hinge, Adjustable** *Includes:* *1 – #10x2 1/2″Phillips flathead wood screws (jamb)* *4 – #10x1″Phillips flathead wood screws (jamb) or* *5 – #10x1″Phillips flathead wood screws (stationary stile)* *4 – #8x1 1/2″Phillips flathead wood screws (panel)* *1 – 5/32″ Allen wrench (adjustment)*	PC	**Right Hand** 02101116 **Left Hand** 02101115

ILLUSTRATION *NOT TO SCALE*	DESCRIPTION
	**Hinge, Adjustable** ***USAGE: Pre–2012*** *Includes:* *1 – Adjustable hinge* *1 – #10x2 1/2"Phillips flathead wood screws (jamb)* *5 – #10x1"Phillips flathead wood screws* *4 – #8x1 1/2"Phillips flathead wood screws* NOTE: Hinge part number includes the color matched screws. If you need to order the screws separately, they are listed below aligned with the corresponding hinge color.

SCREW DESCRIPTION	HINGE COLOR/PART NO.			SCREW COLOR/PART NO.	
		LH	RH		
1 – #10x2 1/2"Phillips flathead wood screws (jamb)	TP	02101141	02101152	TP	11800683
	GT	02101142	02101153	GT	11800681
	SF	02101143	02101154	SS	11800684
	DKBZ*	02101170	02101171	DKBZ	11800680
	DKBZ	02101144	02101155	DKBZ	11800680
	AB	02101145	02101156	DKBZ	11800680
	WH	02101146	02101157	WH	11800682
	SC	02101147	02101158	SS	11800684
	ORBZ	02101148	02101159	DKBZ	11800680
	ORBZ PVD	02101149	02101160	DKBZ	11800680
	BS PVD	02101150	02101129	BS PVD	11800679
	SN PVD	02101151	02101130	SS	11800684
5 – #10x1"Phillips flathead wood screws	TP	02101141	02101152	TP	05580145
	GT	02101142	02101153	GT	11800606
	SF	02101143	02101154	SS	11800605
	DKBZ*	02101170	02101171	DKBZ	02050526
	DKBZ	02101144	02101155	DKBZ	02050526
	AB	02101145	02101156	DKBZ	02050526
	WH	02101146	02101157	WH	11800603
	SC	02101147	02101158	SS	11800605
	ORBZ	02101148	02101159	DKBZ	02050526
	ORBZ PVD	02101149	02101160	DKBZ	02050526
	BS PVD	02101150	02101129	BS PVD	11800600
	SN PVD	02101151	02101130	SS	11800605
4 – #8x1 1/2"Phillips flathead wood screws	TP	02101141	02101152	TP	11865177
	GT	02101142	02101153	GT	11865172
	SF	02101143	02101154	SS	11865175
	DKBZ*	02101170	02101171	DKBZ	02058013
	DKBZ	02101144	02101155	DKBZ	02058013
	AB	02101145	02101156	DKBZ	02058013
	WH	02101146	02101157	WH	11865173
	SC	02101147	02101158	SS	11865175
	ORBZ	02101148	02101159	DKBZ	02058013
	ORBZ PVD	02101149	02101160	DKBZ	02058013
	BS PVD	02101150	02101129	BS PVD	11865176
	SN PVD	02101151	02101130	SS	11865175

* Used prior to April, 2010

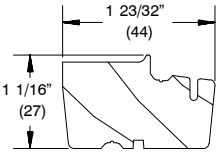
OBSOLETE PARTS

ILLUSTRATION *NOT TO SCALE*	DESCRIPTION	OPER./COLOR	PART NO.
	**Sill Cover**	Oak 36″ (914) 72″ (1829) 96″ (2438)	 71400936 71400972 71400996
		Mahogany 36″ (914) 72″ (1829) 96″ (2438)	 71400937 71400973 71400997
	**Inactive Multi-Point Hardware Assembly (Essve)** ***Wood Outswing French Door 1989 – 1/17/00.*** ***Clad Outswing French Door 1990 – 1/17/00.*** Includes: *1 – Inactive multi-point hardware assembly* *9 – #6X1 1/2″ phillips flathead wood screws* CN 6-5, 6-8 and 7-0 ht. CN 8-0 ht.		NA
	**Multi-Point Top Corner Drive (Essve)** ***Wood Ultimate Outswing French Door 1989 – 1/17/00.*** ***Clad Outswing French Door 1990 – 1/17/00.*** For Inactive panel with multi–point Includes: *1 – Top corner drive* *Attached with #6x1/2″ Phillips flathead wood screws* CN 6-8 ht. 7 29/64″ (189) CN 7-0 ht. 11 15/32″ (291) CN 8-0 ht. 10 5/16″ (262) CN 6-5 ht. 3 3/4″ (95) NOTE: For special heights give Dimension A.		NA
	**Multi-Point Bottom Corner Drive (Essve)** ***Wood Outswing French Door 1989 – 1/17/00.*** ***Clad Outswing French Door 1990 – 1/17/00.*** For Inactive panel with multi-point 4 13/32″ (112) Includes: *1 – Bottom corner drive* *3 – #6x1/2″ Phillips flathead wood screws*		NA

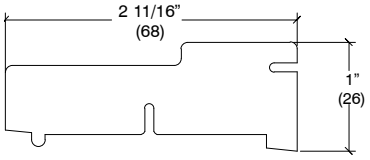
OBSOLETE REPLACEMENT WOOD PARTS

ULTIMATE OUTSWING FRENCH DOOR – PRE–2012

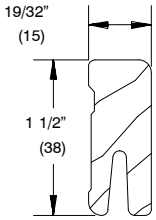
	Wood	Clad
First Mull Casing and Astragal	W1455	
Sill Cover – Transom	W2136	W2136
Sill Liner (oak)	W2528	W2528
Jamb Stop	W6531	W6531
Astragal Cover and Transom Mull Cover	W7554	
Stationary Sweep Filler	W3297	
Sill Nosing – Transom	W8653	
Exterior Part Stop – Transom	W8474	



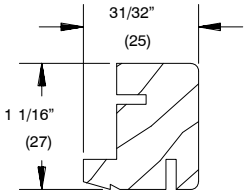
W1455 – First Mull Casing and Astragal– Wood



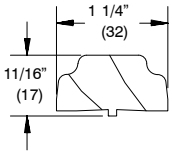
W2136 – Sill Cover Transom



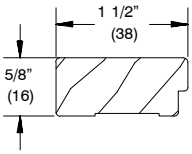
W2528 – Sill Liner (oak)



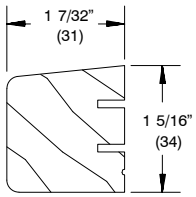
W6531 – Jamb Stop



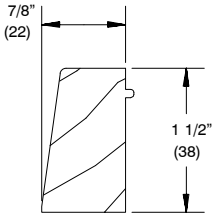
W7554 – Astragal Cover and Transom Mull Cover – Wood



W3297 – Stationary Sweep Filler



W8653 – Sill Nosing Transom



W8474 – Exterior Part Stop Transom

TO ORDER REPLACEMENT WOOD PARTS

When ordering replacement wood parts specify:

1. profile number;
2. rough opening;
3. handing;
4. length;
5. finish;
6. radius (if applicable).

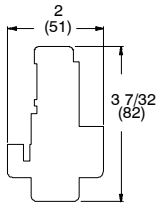
OBSOLETE REPLACEMENT WOOD PARTS

REPLACEMENT WOOD PARTS

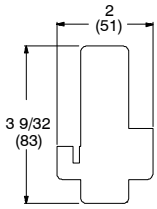
OUTSWING FRENCH DOOR

Wood Ultimate Outswing French Door 1989 – 1/17/00.
Clad Outswing French Door 1990 – 1/17/00.

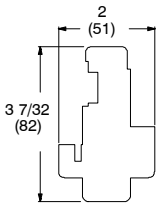
	Clad	Wood
Astragal	W7232	W7222
Astragal (Multi-Point)	W7233	W7219
Operator First Mull Casing	W1092	W1092
Second Mull Casing	W1081	W1081
Stationary Head Jamb, Jamb and Astragal Filler	W6040	W6040
Stationary Head Jamb and Jamb Spacer	W6220	W6220
Stationary Jamb Filler (1 panel)	W7234	W7234
Stationary Jamb Filler (Multi-panel)	W7235	W7235



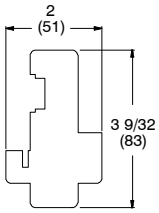
W7232 – Inactive Astragal



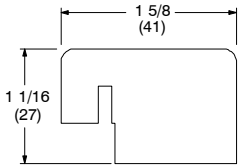
W7222 – Astragal



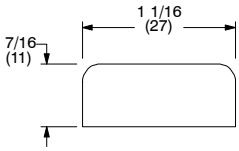
W7233 – Inactive Astragal (Multi-Point)



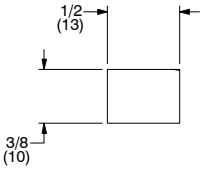
W7219 – Astragal (Multi-Point)



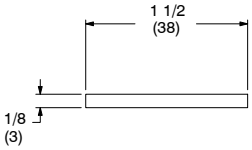
W1092 – Operator First Mull Casing



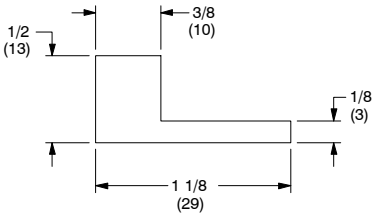
W1081 – Second Mull Casing



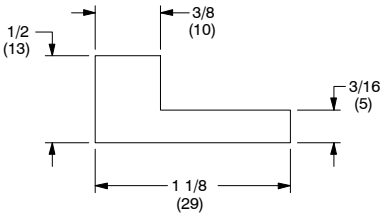
W6040 – Stationary Head Jamb, Jamb and Astragal Filler



W6220 – Stationary Head Jamb and Jamb Spacer



W7234 – Stationary Jamb Filler (1 panel)



W7235 – Stationary Jamb Filler (Multi-panel)

TO ORDER REPLACEMENT WOOD PARTS

When ordering replacement wood parts specify:

1. profile number;
2. call number or rough opening;
3. handing;
   a. for operator first mull casing specify right or left hand (as viewed from the exterior)
   b. for astragal specify hardware prep (if applicable)
4. length;
5. finish;
6. radius (if applicable).

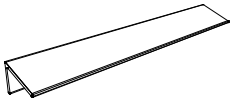
OBSOLETE REPLACEMENT PARTS

ORDERING REPLACEMENT VINYL, ALUMINUM OR FIBERGLASS PARTS FOR THE OUTSWING FRENCH DOOR

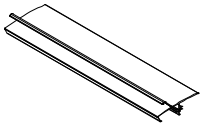
Wood Ultimate Outswing French Door 1989 – 1/17/00.
Clad Outswing French Door 1990 – 1/17/00.

	Clad	Wood
Panel Drip	V251	– – –
Panel Cap – Beige	V360	V360
Stationary and Sidelite Leveling Block – Beige	V770*	V770*
Active Astragal	A732	– – –
Inactive Astragal Cladding (Multi-Point)	A733	– – –
Inactive Astragal Cladding (non Multi-Point)	A721	– – –
Ultrex Sill – Beige	F252*	F252*
Ultrex Sill, 4 9/16″ Jambs (includes weep system, sill liner and Weather Strip) – Beige or Bronze	F256	F256

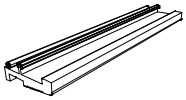
* No longer available.



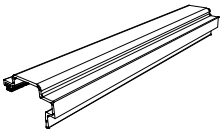
V251 – 12′ 6″ Panel Drip
15801099 WH, 15801199 BR, 15801299 PB, 15801399 BZ, 15801499 BG



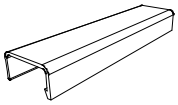
V360 – Panel Cap
Order: part # 16222999 – Beige–150″



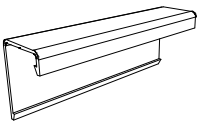
V770* – Stationary and Sidelite Leveling Block
No longer available



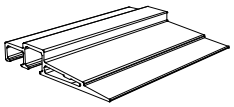
A732 – Active Astragal



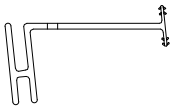
A733 – Inactive Astragal Cladding (Multi-Point)



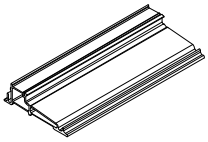
A721 – Inactive Astragal Cladding (non Multi-Point)



F252* – Ultrex Sill
No longer available



V027 – Sill Leveling Block (Transom)
Pre–2012



F256 – Ultrex Sill, 4 9/16″ Jambs
Pre–2012

TO ORDER REPLACEMENT PARTS

When ordering replacement parts specify:

1. profile number;
2. size (call number or rough opening);
3. length;
4. handing;
5. finish (where applicable).

OBSOLETE PANEL REPLACEMENT

ORDERING REPLACEMENT PANELS FOR THE WOOD AND CLAD OUTSWING FRENCH DOOR

Wood Ultimate Outswing French Door 1989 – 1/17/00.
Clad Outswing French Door 1990 – 1/17/00.

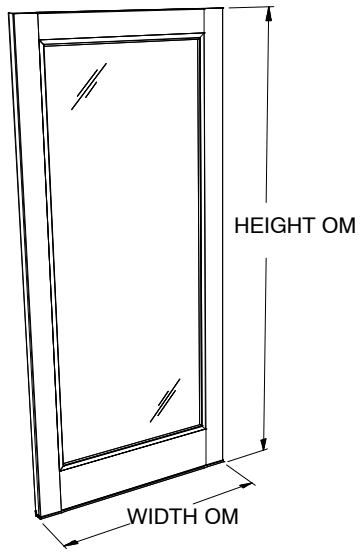
To order replacement panels specify:

1. Wood or Clad;
2. size (call number or OM of panel);
3. active, inactive or stationary;
   a. specify bore or no bore
4. handing;
5. glazing;
6. finish.

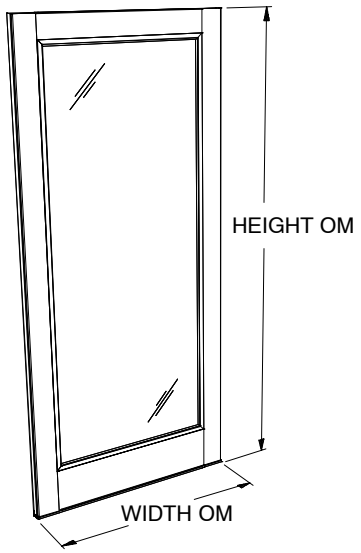
CLAD AND WOOD OUTSWING FRENCH DOOR (PRE 2000)

CN	Panel OSM		Panel DLO	
	Width	Height	Width	Height
2068 / 4068	24″	80″	14 1/2″	67 1/8″
2668 / 5068	30″	80″	20 1/2″	67 1/8″
2868 / 5468	32″	80″	22 1/2″	67 1/8″
3068 / 6068	36″	80″	26 1/2″	67 1/8″
2665	27 5/8″	76 5/16″	18 1/8″	63 7/16″
3065	33 5/8″	76 5/16″	24 1/8″	63 7/16″
7/0 Height		84″		67 1/8″
8/0 Height		96″		80 7/8″

Units will have:
- 4 3/4″ top rail and stiles. Bottom rail height: 6/5 and 6/8 = 8 1/8″; 7/0 = 12 1/8″; and 8/0 = 10 3/8″.
- 4″ x 4″ butt hinges. 6/5, 6/8, and 7/0 heights will have 4 hinges. 8/0 height will have 5 hinges.



Wood Ultimate Outswing
Active Panel
Exterior View



Clad Ultimate Outswing
Active Panel
Exterior View

Active panels include: sweep, route for hinges and panel cap. Clad Ultimate Outswing panels also include panel drip.
Inactive panels include: sweep, route for hinges, astragal, head and foot bolts and panel cap. Clad Ultimate Outswing panels also include panel drip.
Stationary panels include: leveling block and panel cap. Clad Ultimate Outswing panels also include panel drip.

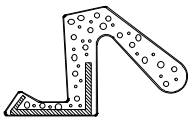
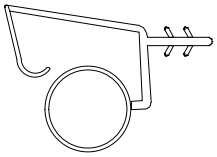
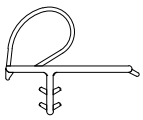
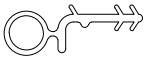
OBSOLETE WEATHER STRIP

OUTSWING FRENCH DOORS

Wood Ultimate Outswing French Door 1989 – 1/17/00.
Clad Outswing French Door 1990 – 1/17/00.

When ordering replacement weather strip specify:

1. quantity;
2. length;
3. part number;
4. description.

ILLUSTRATION *NOT TO SCALE*	DESCRIPTION	LENGTH	PART NUMBER
	**Foam Weather Strip, Frame** V650 Color: Beige Wood doors only	144″	02100972
	Bulb Weather Strip, Transom Bottom Rail V192 Color: Beige	84″ 192″	15900058 15900118
	**Leaf Bulb Weather Strip, Inactive Astragal** V501 Color: Beige Clad outswing doors only	82 1/2″ 98″	No longer available 15622098
	Bulb Weather Strip, Active Astragal V910 Color: Beige Clad Outswing doors only	Lineal Foot	15610999
	Pile Weather Strip, Sill Adhesive backed Color: Beige 13/16″ x 13/32″ x 1 15/16″		15600515
	**Offset Bulb Weather Strip, Parting Stop, Frame, Mull Casing, Transom and Astragal** V796 Color: Beige	95 13/16″	15171680
	**Weather Strip, Stile** V020 Color: Beige	95 9/16″	11197980

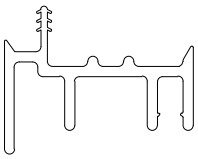
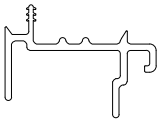
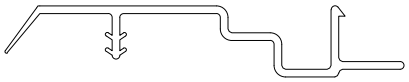
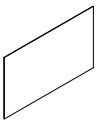
OBSOLETE WEATHER STRIP

OUTSWING FRENCH DOORS

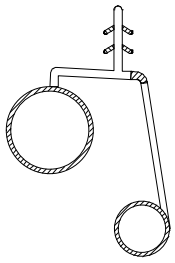
Ultimate Outswing – Pre 2012

When ordering replacement weather strip specify:

1. quantity;
2. length;
3. part number;
4. description.

ILLUSTRATION *NOT TO SCALE*	DESCRIPTION	LENGTH	COLOR	PART NUMBER
	Weather Strip, Sill V776	87 11/16″ 164 7/8″ 164 7/8″	BG BG BK	11197276 11197296 11197297
	Dust Block, Astragal or Panel 1 3/8″ x 1/4″x 3/8″			10500049
	**Sweep, Active and Inactive Panel** V779	CN 2/0 CN 2/6 CN 2/8 CN 3/0 CN 3/0 CN 3/6 CN 3/6	BG BG BG BG BK BG BK	11197420 11197426 11197428 11197430 11197431 11197436 11197437
	**Sweep, Stationary Panel** V778	CN 3/0 CN 3/0 CN 3/6 150″ 150″	BG BK BG BG BK	11197330 11197331 11197336 11197399 11197398
	**Weather Strip, Frame – Pre 2012** V017 Color: Beige	96 5/8″		11198680
	Corner Gasket Adhesive backed		BK	15600023
	**Butyl Tape 3″ Width**	Per Roll	BK	11406302

DISCONTINUED WEATHER STRIP

ILLUSTRATION *NOT TO SCALE*	DESCRIPTION	LENGTH	PART NUMBER
	**Hinged Dual Bulb Weather Strip, Head Jamb and Jamb** V193 Color: Beige Clad Outswing doors only	78″ 110″	NA

OBSOLETE ENERGY PANELS AND PARTS

ORDERING ENERGY PANELS FOR SINGLE GLAZED WOOD OUTSWING FRENCH DOORS

Wood Outswing French Door 1989 – 1/17/00.

If you are replacing an existing energy panel, determine the outside measurement of the existing energy panel. Find the sizes that correspond to the width and height indicated on the following chart. Energy panels are available for the single glazed Wood Ultimate Outswing French Doors. Aluminum surrounds are available in bronze, white, brown, pebble gray or evergreen.

When ordering energy panels specify:

1. size; If there is no existing EP from which to obtain the OM of the panel, determine the size of the EP by using the conversion chart below. The daylight opening is the measurement of the visible glass.
2. color of surround;
3. glass type;

Wood Ultimate Outswing French Door

Wood Ultimate Outswing French Doors manufactured 1989 – 1/17/00

Daylight Opening to OM of EP

Daylight Width + 1″ = OM Width of EP
Daylight Height + 1″ = OM Height of EP

WIDTH			HEIGHT	
SIZE		**OM–WIDTH**	**SIZE**	**OM–HEIGHT**
CN 1–6	(6-5 ht.)	9 1/2″	CN 6-5	64 1/2″
CN 2-6	(6-5 ht.)	19 1/4″		
CN 3-0	(6-5 ht.)	25 1/4″		
CN 1–4		11 13/32″	CN 6-8	68 1/8″
CN 2–0		15 1/2″	CN 7-0	68 1/8″
CN 2–6		21 1/2″	CN 8-0	81 7/8″
CN 2–8		23 1/2″		
CN 3–0		27 1/2″		