

TEST REPORT

Report No.: E3210.01-301-47

Rendered to:

CR LAURENCE CO., INC. Vernon, California

PRODUCT TYPE: Sliding Glass Door **SERIES/MODEL**: 3000

SPECIFICATION(S): AAMA/WDMA/CSA 101/I.S.2/A440-11, NAFS 2011 - North American Fenestration Standard/Specification for Windows, Doors, and Skylights.

Title	Summary of Results
AAMA/WDMA/CSA 101/I.S.2/A440-11	Class CW – PG40: Size Tested 2438 x
AAMA/ WDMA/C3A 101/1.3.2/A440-11	2438 mm (96 x 96 in.) – Type SD
Design Pressure	±1920 Pa (±40.10 psf)
Air Infiltration	1.0 L/s/m ² (0.20 cfm/ft ²)
Water Penetration Resistance Test Pressure	290 Pa (6.06 psf)

Test Completion Date: 11/25/14

Reference must be made to Report No. E3210.01-301-47, dated 01/05/15 for complete test specimen description and detailed test results.



Report Date: 01/05/15 Page 1 of 10

1.0 Report Issued To: CR Laurence Co., Inc.

2100 East 38th Street Vernon, California 90058

2.0 Test Laboratory: Architectural Testing, Inc.

4 Rancho Circle

Lake Forest, California 92630

949-460-9600

3.0 Project Summary:

3.1 Product Type: Sliding Glass Door

3.2 Series/Model: 3000

3.3 Compliance Statement: Results obtained are tested values and were secured by using the designated test method. The specimen tested successfully met the performance requirements for a **Class CW – PG40**: **Size Tested 2438 x 2438 mm (96 x 96 in.) – Type SD** rating.

(90 x 90 m.) - Type 3D 18

3.4 Test Date: 11/25/14

3.5 Test Record Retention End Date: All test records for this report will be retained until November 25, 2018.

- **3.6 Test Location**: CR Laurence Co., Inc. test facility in Vernon, California. Calibration of test equipment was performed by Architectural Testing in accordance with AAMA 205-01 "In-Plant Testing Guidelines for Manufacturers and Independent Laboratories".
- **3.7 Test Specimen Source**: The test specimen was provided by the client. Representative samples of the test specimen will be retained by Architectural Testing for a minimum of four years from the test completion date.
- **3.8 Drawing Reference**: The test specimen drawings have been reviewed by Architectural Testing and are representative of the test specimen reported herein. Test specimen construction was verified by Architectural Testing per the drawings located in Appendix C. Any deviations are documented herein or on the drawings.

Company

3.9 List of Official Observers:

Namo

<u>ivaine</u>	<u>Company</u>
Marco Ramirez	CR Laurence Co., Inc.
Iarod S. Hardman	Architectural Testing, Inc.



Report Date: 01/05/15 Page 2 of 10

4.0 Test Specification:

AAMA/WDMA/CSA 101/I.S.2/A440-11, NAFS 2011 - North American Fenestration Standard/Specification for Windows, Doors, and Skylights.

5.0 Test Specimen Description:

5.1 Product Sizes:

Overall Area:	Width		Height		
5.95 m ² (64.0 ft ²)	millimeters	inches	millimeters	inches	
Overall size	2438	96	2438	96	
Active panel	1253	49-11/32	2374	93-15/32	
Screen	1280	50-3/8	2372	93-3/8	

5.2 Frame Construction:

Frame Member	Material	Description
Head	Aluminum	Thermally broken extrusion consisting of head interior (see attached Part No. D1017) and head exterior (see attached Part No. DE017).
Head	Nylon	Screen door bumper and cap (see attached Part No. HS3SCEC1), inserted into ends of screen track and secured through top of track with two #8 x 1/2" Phillips flat head screws.
Sill	Aluminum	Thermally broken extrusion consisting of sill interior (see attached Part No. D1027) and sill exterior (see attached Part No. DE018)
Sill	Stainless steel	Roller track (see attached Drawing No. EL103), snap fit into sill interior (Part No. D1027), full length of sill.
Sill	PVC	Sill riser (see attached Drawing No. 3000-154) press fit into sill exterior (Part No. DE018) full length of sill.
Sill	Aluminum	Threshold cap (see attached Part #DU007), snap fit into sill exterior (Part No. DE018) from jamb to interlock on top of sill riser.
Jambs	Aluminum	Thermally broken extrusion consisting of jamb interior (see attached Part No. D1016) and jamb exterior (see attached Part No. DE1016).



Report Date: 01/05/15Page 3 of 10

5.0 Test Specimen Description: (Continued)

5.2 Frame Construction: (Continued)

_	Joinery Type	Detail
All corners	Coped	Secured through jambs into head with two #8 x 1" Phillips truss head screws into screw bosses. Secured through jambs into sill with one #8 x 1" Phillips truss head screw at exterior side into screw bosses and one #8 x 2" Phillips truss head screw at interior side into screw bosses.

5.3 Panel Construction:

Panel Member	Material	Description
Fixed panel top rail	Aluminum	Thermally broken extrusion consisting of top rail interior (see attached Part No. D1002) and top rail exterior (see attached Part No. DE002).
Fixed panel bottom rail	Aluminum	Thermally broken extrusion consisting of bottom rail interior (see attached Part No. DE051) and bottom rail exterior (see attached Part No D1051).
Fixed panel jamb stile	Aluminum	Thermally broken extrusion consisting of stile interior (see attached Part No. D1022) and stile exterior (see attached Part No. DE022).
Fixed panel interlock	Aluminum	Thermally broken extrusion consisting of interlock interior (see attached Part No. D1021) and interlock exterior (see attached Part No. DE021).
Active panel top rail	Aluminum	Thermally broken extrusion consisting of head interior (see attached Part No. DE002) and head exterior (see attached Part No. D1002).
Active panel bottom rail	Aluminum	Thermally broken extrusion consisting of bottom rail interior (see attached Part No. D1051) and bottom rail exterior (see attached Part No DE051).
Active panel lock stile	Aluminum	Thermally broken extrusion consisting of stile interior (see attached Part No. D1009) and stile exterior (see attached Part No. DE009).



Test Report No.: E3210.01-301-47
Report Date: 01/05/15

Page 4 of 10

5.0 Test Specimen Description: (Continued)

5.3 Panel Construction: (Continued)

Panel Member	Material	Description
Active panel interlock	Aluminum	Thermally broken extrusion (see attached Drawing No. 3001-109), interlock cap (Part No. EC327BLN) fitted to top of extrusion at head of interior and secured with two #10 x 1-1/2" Phillips flat head screws.
Active panel interlock	PVC	Vent isolator (see attached Drawing No. 3000-160) press fit into active panel interlock extrusion (Part No. 300-109).
Fixed panel interlock	PVC	Vent isolator (see attached Drawing No. 3000-159), snap fit over fixed panel interlock.

	Joinery Type	Detail
All corners	Flush	Secured through jamb stiles at top rail with one #8 x 2" Phillips truss head screw, through the fixed jamb stiles at bottom rail with one #8 x 3" Phillips truss head screw, and through active jamb stiles at bottom rail with two #12 x 4" Phillips truss head screws.

5.4 Weatherstripping:

Description	Quantity	Location
		Inserted into thermal break at exterior
2 finger vinyl weather strip	1 row	side, full length of head, sill, and jambs
		(see attached Drawing No. DP-SP-011).
0.270 x 0.250 triple fin weather	1 row	Inserted into thermal break at interior
strip	110W	side, full length of head, sill, and jambs.
0.270×0.250 triple fin weather		Inserted into interior leg of fixed jamb
*	1 row	and fixed panel vent isolator full length
strip		of span.
0.190 x 0.310 plain pile weather	2 rows	Inserted into active panel vent isolator
strip	2 TOWS	full length of span.
		Inserted into fixed panel vent isolator
PVC sweep gasket	1 row	full length of span (see attached
		Drawing No. 3000-158).



Report Date: 01/05/15 Page 5 of 10

5.0 Test Specimen Description: (Continued)

5.5 Glazing: No conclusions of any kind regarding the adequacy or inadequacy of the glass in any glazed test specimen(s) can be made.

Glass Type	Spacer Type	Interior Lite	Exterior Lite	Glazing Method
1" IG	Aluminum Spacer – Dual Seal (A1-D)	1/4" tempered	1/4" tempered	Channel glazed with 1" glazing gasket Drawing No. 3000-162.

Location	Quantity	Dayligh	Glass Bite	
Location	Quantity	millimeters	inches	Glass Bite
Active panel	1	1098 x 2236	43-1/4 x 88	5/8"
Fixed panel	1	1095 x 2236	43-1/8 x 88	5/8"

5.6 Drainage:

Drainage Method	Size	Quantity	Location
Weep hole	1-3/4" x 1/4"	6	One located 3-1/4" from each corner and four located mid-span of sill 2" on center spacing from mid-point. Weep cover, Drawing No. USA-2960 fitted with Drawing No. USA-2961, inserted into each weep hole.
Breathing port	1" x 1/2"	2	Relief cut into center leg thermal break of sill at each jamb, allowing air flow to travel up the jamb thermal break center leg.

5.7 Hardware:

Description	Quantity	Location
Handle hardware set	1	Part #BOH1011, centered 42" from sill and secured through lock stile with two #10-32 x 2.25" Phillips oval head screws.
Mortise lock	1	Part #B0H1016, centered 42" from sill and secured inside of jamb stile with two $\#10 \times 1/2$ " Phillips flat head screws.



Report Date: 01/05/15Page 6 of 10

5.0 Test Specimen Description: (Continued)

5.7 Hardware: (Continued)

Description	Quantity	Location
Deep backset strike	1	Drawing # 0132, secured to active panel jamb with four #12 x 4" Phillips flat head screws through predrilled holes, centered directly opposite lock hardware.
Screen strike	1	Fastened to lock jamb 42" from sill and secured with two 8-32 x 1/2" Phillips hex head screws.
PVC guide	1 row	Inserted into the interior leg of the head, sill, and jambs (see attached Drawing No. USA-3180).
Vent stop	1	Secured at fixed jamb in sill with #14 x 1-1/2" Phillips flat head screws (see attached Drawing No. 3025-060).
Vent stop bumper	1	Rubber bumper press fit into end of vent stop directly opposite active panel interlock.
Fixed panel clip	2	Inserted into ends of fixed panel interlock and secured with one #12 x 3/4" Phillips hex head screw into the interlock and two #12 x 3/4" hex head screws into both the head and sill to retain the fixed panel (see attached Drawing No. 3025-062).
3-1/2" radius end plug	1	Inserted into both interlocks at sill to cover fastener access hole (see attached Drawing No. 3000-150).
2-1/4" radius end plug	1	Inserted into fixed panel interlock at sill to cover fastener access hole (see attached Drawing No. 3000-153).
Round end plug	2	Inserted into active panel interlock at head to cover fastener access hole (see attached Drawing No. 3000-152).
Dual wheel roller assembly	2	Inserted into bottom rail of active panel and secured at jambs with fasteners used to join jamb to rail (see attached Part No. 1997-PRS-3115SS).



 $Test\ Report\ No.:\ E3210.01\text{--}301\text{--}47$

Report Date: 01/05/15

Page 7 of 10

5.0 Test Specimen Description: (Continued)

5.8 Reinforcement: No reinforcement was utilized.

5.9 Screen Construction:

Frame Material	Corner Construction	Mesh Type	Mesh Attachment Method
Aluminum	Mitered corner with corner key secured with four #6 x 9/16" Torx truss head screws, two per side	Heavy-Duty Fiberglass	3/16" solid foam spline

6.0 Installation:

The specimen was installed into a Pine wood buck. The rough opening allowed for a 1/4" shim space. The exterior and interior perimeter of the door was sealed with structural silicone sealant.

Location	Anchor Description	Anchor Location
Through frame full perimeter	#10 x 2" Phillips flat head screws	Two fasteners at each point, 3" form corners and 15" on center spacing.



Report Date: 01/05/15Page 8 of 10

7.0 Test Results: The temperature during testing was 22°C (71°F). The results are tabulated as follows:

Title of Test	Results	Allowed	Note
	Initiate motion:		
	173.5 N (39.0 lbf)	180 N (40.5 lbf) max.	
Operating Force,	Maintain motion:		
per ASTM E 2068	62.3 N (14.0 lbf)	115 N (25.9 lbf) max.	
	Locks:		
	8.9 N (2.0 lbf)	100 N (22.5 lbf) max.	
Air Leakage,			
Infiltration per ASTM E 283	1.0 L/s/m ²	1.5 L/s/m ²	
at 75 Pa (1.57 psf)	(0.20 cfm/ft ²)	$(0.3 \text{ cfm/ft}^2) \text{ max.}$	1
Water Penetration,			
per ASTM E 547			
at 140 Pa (2.92 psf)	N/A	N/A	3
Uniform Load Deflection,			
per ASTM E 330			
Deflections taken at interlock			
+720 Pa (+15.04 psf)			
-720 Pa (-15.04 psf)	N/A	N/A	3
Uniform Load Structural,			
per ASTM E 330			
Permanent sets taken at interlock			
+1080 Pa (+22.56 psf)			_
-1080 Pa (-22.56 psf)	N/A	N/A	3
Forced Entry Resistance,			
per ASTM F 842,			
Type: A - Grade: 10	Pass	No entry	
Forced Entry Resistance,			
per ASTM F 842,	D	NY .	
Type: D	Pass	No entry	
Deglazing, per ASTM E 987			
Operating direction,			
320 N (70 lbf)	Pass	Meets as stated	
Remaining direction,			
230 N (50 lbf)	Pass	Meets as stated	



Report Date: 01/05/15 Page 9 of 10

7.0 Test Results: (Continued)

0	ptional Performance		
Title of Test	Results	Allowed	Note
Water Penetration,			
per ASTM E 547			
at 290 Pa (6.06 psf)	Pass	No leakage	2
Uniform Load Deflection,			
per ASTM E 330			
Deflections taken at interlock			
+1920 Pa (+40.10 psf)	10.9 mm (0.43")	13.2 mm (0.52") max.	
-1920 Pa (-40.10 psf)	9.9 mm (0.39")	13.2 mm (0.52") max.	4, 5
Uniform Load Structural,			
per ASTM E 330			
Permanent sets taken at interlock			
+2880 Pa (+60.15 psf)	0.5 mm (0.02")	6.9 mm (0.27") max.	
-2880 Pa (-60.15 psf)	0.3 mm (0.01")	6.9 mm (0.27") max.	4, 5

Note 1: The tested specimen meets (or exceeds) the performance levels specified in AAMA/WDMA/CSA 101/I.S.2/A440 for air leakage resistance.

Note 2: With and without insect screen.

Note 3: The client opted to start at a pressure higher than the minimum required. Test results are reported under Optional Performance.

Note 4: Loads were held for 10 seconds.

Note 5: Tape and film were used to seal against air leakage during structural testing. In our opinion, the tape and film did not influence the results of the test.



Report Date: 01/05/15

Page 10 of 10

Architectural Testing will service this report for the entire test record retention period. Test records such as detailed drawings, datasheets, representative samples of test specimens, or other pertinent project documentation, will be retained by Architectural Testing, Inc. for the entire test record retention period.

This report does not constitute certification of this product nor an opinion or endorsement by this laboratory. It is the exclusive property of the client so named herein and relates only to the specimen tested. This report may not be reproduced, except in full, without the written approval of Architectural Testing, Inc.

For ARCHITECTURAL TESTING, Inc.

Digitally Signed by: Jarod Hardman

Jarod S. Hardman Laboratory Manager Digitally Signed for: Leaton Kirk by Marisela Saave

Leaton Kirk Director - Regional Operations

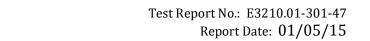
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Attachments (pages): This report is complete only when all attachments listed are included.

Appendix-A: Alteration Addendum (1) Appendix-B: Location of Air Seal (1)

Appendix-C: Drawings (83)

This report produced from controlled document template ATI 00438, revised 06/27/14.





Appendix A

Alteration Addendum

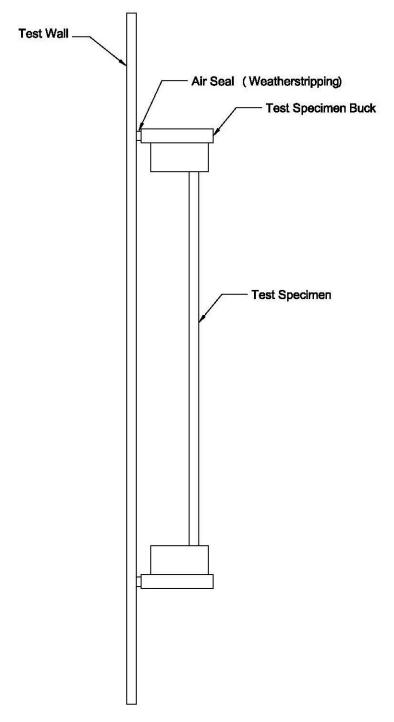
Note: No alterations were required.

Test Report No.: E3210.01-301-47 Report Date: 01/05/15



Appendix B

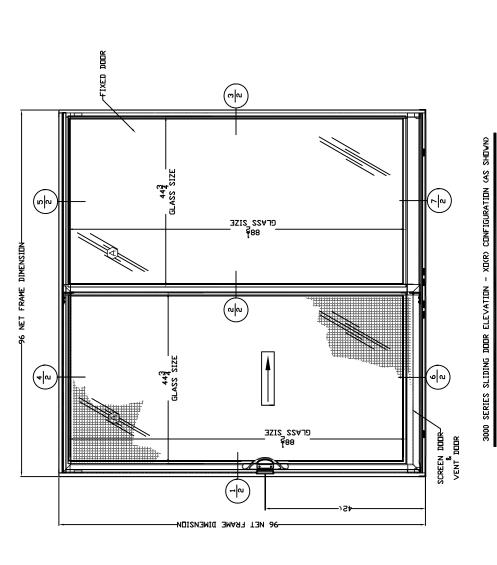
Location of Air Seal: The air seal between the test specimen and the test wall is detailed below. The seal is made of foam weatherstripping and is attached to the edge of the test specimen buck. The test specimen buck is placed against the test wall and clamped in place, compressing the weatherstripping and creating a seal.





Appendix C

Drawings



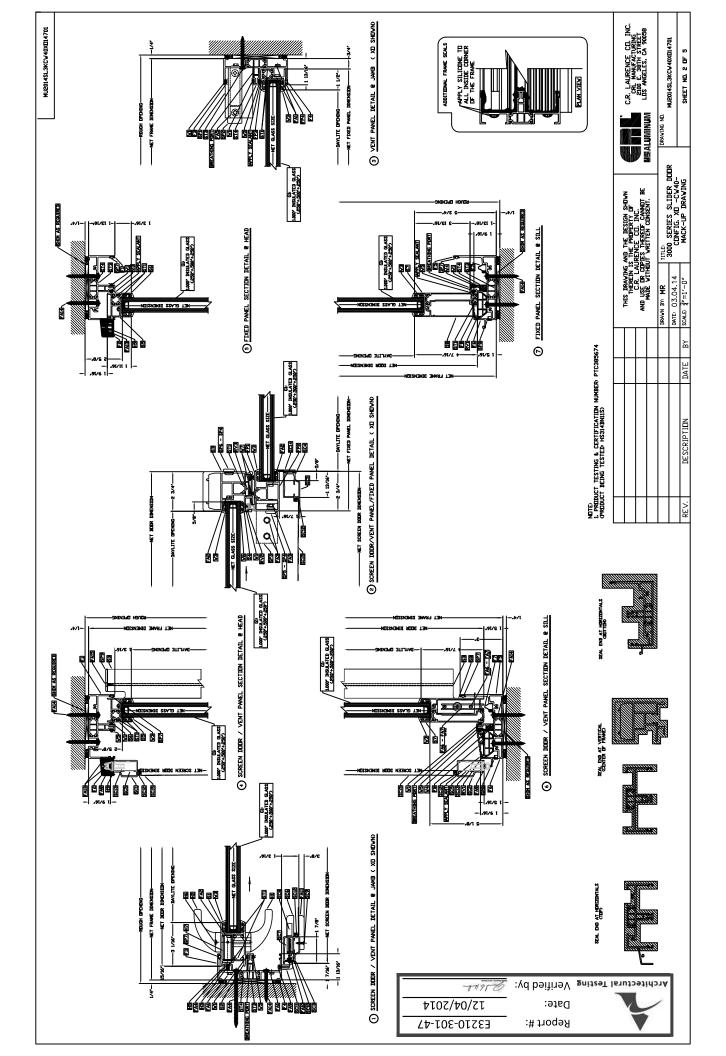
C.R. LAURENCE CD. INC. CRL MANUFACTURING 2100 E. 38TH STREET LDS ANGELES, CA 90058

MU2014SL3KCW40X014701 SHEET NO. 1 OF 5

E3210-301-47 12/04/2014 21646 Architectural Testing Verified by: Report #: Date:

NDTE: 1. PRODUCT TESTING & CERTIFICATION NUMBER: PTC385674 (PRODUCT BEING TESTED: HS314BNIIS)

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MU2014SL3KCW40XD14701

Report #: Date:

E3210-301-47 12/04/2014

Q1542

Architectural Testing Verified by:

BILL OF MATERIALS FOR 3040 SERIES SLIDING PATIO DOOR

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FINI	CLASS 1 CLEAR																																		
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	DESCRIPTION	4-1/2' BLDCK HEAD - INTERIDR	4-1/2" BLOCK HEAD - EXTERIOR	4-1/2" BLDCK JAMB - INTERIDR	4-1/2' BLDCK JAMB - EXTERIDR	CW40 & CW60 SILL - INTERIDR	LC25 SILL - EXTERIOR	SS TRACK COVER	THRESHOLD CAP		LEAD STILE - INTERIOR	LEAD STILE - EXTERIDR	adiabini - Abdiabini insk opkib		VENT TOP RAIL - INTERIOR	VENT TOP RAIL - EXTERIOR	VENT BOTTOM RAIL - INTERIOR @EXT PANEL	VENT BOTTOM RAIL - EXTERIOR GINT PANEL			FIXED INTERLDCK - INTERIDR	FIXED INTERLOCK - EXTERIOR	FIXED STILE - INTERIDR	FIXED STILE - EXTERIOR	FIXED TOP RAIL - INTERIOR	FIXED TOP RAIL - EXTERIOR	FIXED BOTTOM RAIL - INTERIOR	FIXED BOTTOM RAIL - EXTERIOR		18.6	34M	34 M	18.6 MM 90° STRUT		
	PART NO	1014	/1010	אנטדת			DE018	EL103	DU007			DT009		61010	TOOLS	100 17	DT051					DT021		DT022	COOTU	20010	P.TOE	10010		STR182	STR341	STR342	STR181		
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C.R. LAURENCE CD. INC.	CKL MANUTACIONING 2100 E. 38TH STREET 175 ANTEL FS. CA 90058	MESALUMINUM	DRAW	MUZU14SL3KLW4UXLI4/UI	- LD 0 CT - LL
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SHEET ND. 3 OF 5

NDTE:
1. PRODUCT TESTING & CERTIFICATION NUMBER: PTC385674 (PRODUCT BEING TESTED: HS314BN11S)

BILL OF MATERIALS FOR 3040 SERIES SLIDING PATIO DOOR

STIES .	BRONZE																																						
LINISHES	CLASS 1 CLEAR																																						
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	COMMENTS	COLOR MATCH TO P.D.	BLACK	COLOR MATCH TO P.O.	BLACK	BLACK	BLACK	BLACK	BLACK			BLACK	BLACK	BLACK		BLACK	BLACK						FRAME (4) + FIXED STRILE (2)	V STILE(2) + V INTER'K (2) + F INTER'K (2)	FIXED PANEL CLIP - (3) AT HEAD & (3) AT SILL	STRIKE	VENT BUMPER	2 AT ROLLER AT INTERLOCK	2 AT ROLLER AT LEAD STILE	2 AT EACH SCREEN ROLLER HOUSING	2 AT SCREEN STRIKE	1 e SCREEN HOOK + 2 e SCREEN HOUSING	2 @ EXTERIOR SCREEN PULL	2 PER SCREEN CORNER					
	DESCRIPTION	VENT STOP - EXTRUDED HOUSING	VENT STOP - RUBBER BUMPER		3-1/2" RADIUS END PLUG	2-1/4" RADIUS END PLUG - FIXED TOP RAIL	ROUND END PLUG	PVC GUIDE	WEEP HOLE COVER	CW40 SILL CAP	CW60, CW40, LC25 VENT STDP	.270 × .250 TRI-FIN	GLAZING GASKET - 1' GLASS		WEEP BAFFLE SILL CAN (,375 X ,500X 2,500)	2 FINGER VINYL	SUPER BUG STRIP	SHIRT PILE GASKET		1,000 INSULATED GLASS (250" + ,500" + ,250")	1.250 DNSULATED BLAST GLASS (.250* + .750 + .250*)		#10 × 1" PHIL HEX WASHER HD SMS 18/8 SS	#10 x 2" PHIL HEX WASHER HD SMS 18/8 SS	#12 × 3/4" PHIL HEX WASHER HD SMS 18/8 SS		#14 x 1-1/2" PHIL FLAT HD SMS 18/8 SS	1/4-20 x 1-3/4" PHIL PAN HD MS 18/8 SS	1/4-20 x 2-1/4" PHIL PAN HD MS 18/8 SS	#8 x 1/2" PHIL PAN HD SMS 18/8 SS	8-32 x 1/2" PHIL HEX WASHER HD MS 18/8 SS	#6 x 1-1/2" PHIL PAN HD SMS 18/8 SS	#6 x 3/4" PHIL FLAT HD 18/8 SS (BLACK)	M3.8X18 .8 mm PAN HD SELF DRILLING	1	#10 x 2-1/4" PHIL FLAT HD 18/8 SS			
	PART NO	DS160	B0H1009	HS3FPCLIP	BDH1006	BDH1005	BDH1007	R1125	VH276	EC327BLN	HS3VPSTP	V02716	VY100S	VY125S	UB3000	VY002S	VY006S	W02933		GL103115129	GL103115429		ST23042	ST26342	ST12042	ST27442	ST15343	MS23342	MS23242	ST20642	MS13042	ST43742	ST13843	50MF023ML	8X12FHPSMS	ST13843	10X112FHPSMS		
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NDTE: 1. PRODUCT TESTING & CERTIFICATION NUMBER: PTC385674 (PRODUCT BEING TESTED: HS314BN11S)

Architectural Testing Verified by: 12/04/2014 Date: E3210-301-47 Report #:

MU2014SL3KCW40XD14701

BILL OF MATERIALS FOR 3040 SERIES SLIDING PATIO DOOR

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HES	BRONZE																																							
FINISHES	CLASS 1 CLEAR																																							
	QTY		1							1	1	1	1	1	1	1	1	1	1	1	1	1	1	A/R	4	1	A/R	A/R	A/R	A/R			•			•				
	CDMMENTS		SATIN NICKEL WITH CLEAR CDAT							STAINLESS STEEL	TEK PARTS/AMESBURY	TEK PARTS/AMESBURY	CDLDR MATCH TD P.D.	CDLDR MATCH TD P.D.	CDLDR MATCH TO P.D.	COLDR MATCH TO P.D.	MILL FINISH	BLACK	BLACK	50% GRAY	BLACK	NATURAL NYLDN	COLDR MATCH TO P.D.	BLACK	BLACK	BLACK	CHARCDAL	CHARCDAL	CHARCDAL	CHARCDAL			E ACK	P ACK	שו אכול	BLACK				
	DESCRIPTION		ACTIVE HARDWARE KIT	* EXTERIOR PULL HANDLE WITH KEY	* INTERIOR PULL HANDLE WITH THUMB TURN	* KEY CYLINDER	* LEVER	* STAINLESS STEEL STRIKE	* 10-32 × 2.250" PHIL DVAL HD MS SS	MORTISE LOCK	1-13/16' TANDOM ROLLER HOUSING	SCREEN DOOR BUMPER AND CAP (L/R)	TOP RAIL	BOTTOM RAIL	רווכא צעזרב	TRAILING STILE	CORNER ANGLE	PULL & LATCH	STRIKE ADJUSTER	THUMB SLIDE	DUT SIDE PULL	НОК	EXTRUDED STRIKE	SPLINE	ROLLER HOUSING		SCREEN CLOTH - 36' HEAVY-DUTY FIBERGLASS			SCREEN CLOTH - 72" HEAVY-DUTY FIBERGLASS CHARCDAL			SII BISEB	EINEN INTED OCK 1801 ATOD	VENT TATED OCY ISSUENTED	VENI INTERFEDEN ISDERTOR				
	PART NO		BDH1011		,	•				BDH1016	BDH1875	HS3SCEC1	SR301	SR301	SR301	SR301	50MA2416ML	BDH1020	BDH1021	BOH1022	BDH1023	BDH1024	HS3SCRSTP	50MG033	50MH071	VY007S	EC/\36	ECW48	ECW60	ECV72			UYYUUSB	acout.	V 10057	X+001 V				
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	ITEM #			포	랖	유	Ŧ.	돤	£	147	85	Н	SC1	SC2	SC3	SC4	SCS	908	SC7	SCB	608	SC10	SC11	SC12	SC13	SC14	SC15						124	2/4	2/2	2				



C.R. LAURENCE CD. INC.	2100 E. 38TH STREET LDS ANGELES. CA 90058	LLUMIRUM	JRAVI	MUZU14SL3KLW4UXU14/U1	SHEET NO. 5 OF 5
 THEREIN IS THE PROPERTY OF	IRENCE CLI. INC.	UT VRITTEN CONSENT.	TITLE:	CONFIG. XD -CV40-	BILL OF MATERIAL
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SHEET ND. 5 OF 5

NDTE:
1. PRDDUCT TESTING & CERTIFICATION NUMBER: PTC385674 (PRDDUCT BEING TESTED: HS314BN11S)

Architectural Testing Verified by: 12/04/2014 :eteC E3210-301-47 Report #: