CHAPTER 26

STORMPLUS

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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.

DATE	PRODUCT	DESCRIPTION OF CHANGE / NEW PRODUCT
4/30/2001	SP Dade	Impact resistant Clad Ultimate Outswing French Door added to Storm Plus Dade.
8/19/2002	SP NY	Introduced Wood Ultimate Double Hung to Storm Plus NY.
11/12/2002	SP NY	Marvin now offers Wood and Clad Ultimate Double Hung, Wood Ultimate Double Hung Picture/Transom, and Wood Direct Glaze units. (Product bulletin #307)
12/9/2002	SP NY	StormPlus NY expands product lines to include Wood and Clad Ultimate Outswing French Doors, Clad Ultimate Double Hung Transom, Clad Direct Glaze Rectangles/Polygons/Round Tops, and Wood and Clad Casemaster operators. (Product bulletin #309)
12/30/2002	SP NY	StormPlus NY expands product lines to include Wood and Clad Ultimate Inswing French Doors, Wood and Clad Sliding French Door, Wood and Clad Awning operators, Wood and Clad Casemaster/Awning stationary and picture units, Clad Ultimate Double Hung Picture units. (Product bulletin #309)
7/7/2003	All	Naming convention changed: Storm Plus NY is now Storm Plus IZ2, StormPlus Dade is now Storm Plus IZ4, StormPlus HP name remains the same.
8/18/2003	IZ3	Introduction of Storm Plus IZ3 products. Products include wood and clad Casemasters and Awnings, Clad Direct glaze Polygons, Rectangles and Round Tops, and Clad Ultimate Outswing French Doors in stationary or one and two panel operating configurations.(Product bulletin #325)
9/29/2003	IZ3	Marvin Stormplus IZ3 line expands to include RTs/Polys/Sidelites/more. (Product bulletin #328)
10/24/2003	HP SFD	Storm Plus HP Clad Sliding French Door retired. (Product bulletin #327)
10/27/2003	IZ3	Expanded IZ3 to include Clad and Wood Ultimate Double Hung/Round Top/Poly/Transom, Clad an Ultimate Outswing French Door, Clad and Wood Sliding French Door. (Product bulletin #330)
11/10/2003	IZ3	Expanded IZ3 to include Clad and Wood Ultimate Double Hung Picture/Round Top/Polygon, Clad and Wood UIFD Sidelite/Transom (Product bulletin #330)
9/2/2004	UDH IZ3	UDH 1″ wide mullions offered for side–by–side assemblies, wood or clad. Factory applied or field installed.
2/14/2005	CM IZ4	Started producing CCM IZ4; added 3rd lock to units taller than CN48 in order to receive higher design pressures. (Product bulletin #360)
3/14/2005	CM IZ3	Expanded CM IZ3 size offering to CN 3672 Units wider than CN28 will auto. receive a sash limit device.
6/27/2005	Doors, IZ3	Introduced 2 1/4″ Panel doors for IZ3. 2 1/4″ Door expands configurations, features and options.
9/6/2005	Doors, IZ4	Introduced 2 1/4″ Panel doors for IZ4.
7/24/2006	WUDH IZ2	Discontinued WUDH Picture and Transom IZ2 units. (Incorporated into IZ3 line)
10/6/2006	IZ2 DG	Discontinued WDG Rectangle, Polygon, & RT IZ2 units. (Incorporated into IZ3 line)
11/14/2006	CUDH IZ3	Eliminated screws through interior stops, added brackets to top rail Vinyl partstop w/s is cut into short pieces to fit between brackets.
	CUDH IZ2	Discontinued CUDHP IZ2 units.
3/16/2007	Doors, IZ4	Introduced Mahogany WUOFD IZ4.
3/26/2007	CM IZ2 and IZ3	New Hinge Limiter option, allows unit to open 75 degrees to meet egress. Old limiter still available, 20 degree.
5/23/2007	CUOFD IZ4	IZ4 glass now has the SGP interlayer. LVL stiles and the current IZ3 sill backer plate will replace FRP/locking stiles and “C” shaped sill backer plate.

HISTORY

DATE	PRODUCT	DESCRIPTION OF CHANGE / NEW PRODUCT
2010/10/25	Doors, IZ2	All IZ2 doors now obsolete.
2011/04/25	All	White painted interior finish option introduced for all product.
2012/01/23	Clad Ultimate Double Hung	Redesign of the Clad Ultimate Double Hung IZ3. Added new IZ3 tilt pin, sill bracket, top and bottom sash interlock and a new checkrail profile.
2012	Ultimate Outswing French Door, IZ4	2012–07–30 Added Panel Drip Kit for IZ4 Ultimate Outswing French Door.
	All	2012–12–17 Clear interior finish option introduced for all products.

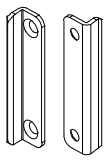
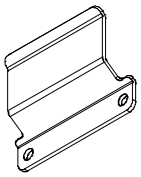
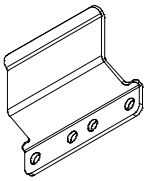
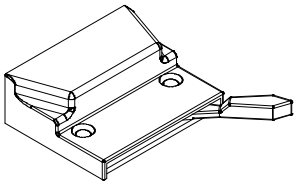
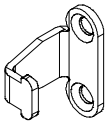
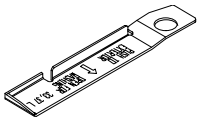
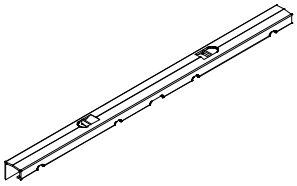
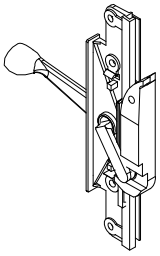
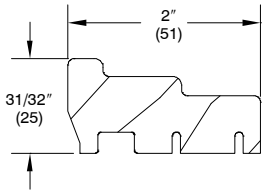
ILLUSTRATION *NOT TO SCALE*	DESCRIPTION	COLOR	PART NO.
	**Snubber, Concealed** Wood Casemaster 2 per package *Includes:* *2 – Snubbers 10899110* *2 – #7x5/8″ Phillips flat head wood screws (11800736)* *2 – #8x1″ Phillips flat head wood screws (11800805)*		11873197
	Snubber, Concealed Clad Casemaster 2 per package *Includes:* *2 – Snubbers 10899110* *2 – #7x1/2″ Phillips flat head screws (11800753)* *2 – #8x1″ Phillips flat head wood screws (11800805)*		11873295
	**Lock Clips Secondary** IZ2 and IZ3		10500650
	**Lock Clips Primary** IZ2 and IZ3		10500651
	**Cam Lock** WCM IZ4 *Includes:* *1 – Cam Lock* *2 – #8 x 1 1/2″ Phillips flat head self–tapping screws* *BZ (11881117)* *BS (11881112)* *WH (11881118)* *TP (11881116)*	BZ WH BS TP	10814904 10814905 10814906 10814907
	**High Strength Keeper** IZ4 *Includes:* *1 – Keeper* *2 – #8 x 1 1/4″ flat head screws (11808118)*		10814900
 *Note: Left hand shown*	**Hinge Limiter**	LH RH	11862602 11862601

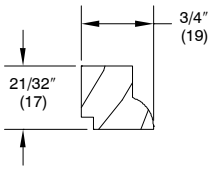
ILLUSTRATION *NOT TO SCALE*	DESCRIPTION	OPER. COLOR	PART NO.
	**RTCM Sash Limiter** 20 Degree IZ3	E–Guard Corr. Resistant	10830707 10830708
 LH Shown	**Sequential Lock, Primary** Primary cam included IZ2, IZ3, IZ4 *Includes:* *1 – Primary sequential lock with primary cam* *3 – #8x1" Phillips pan head wood screws (11808100)*	LH WH RH WH LH BZ RH BZ LH TP RH TP Cam Only LH Cam Only RH	10816110 10816111 10816112 10816113 10816114 10816115 10816116 10816117

CURRENT REPLACEMENT WOOD AND VINYL PARTS

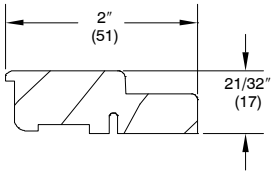
StormPlus	Clad	Wood
Jamb Side Stop, IZ4	W8460	W8460
Glazing Stop, IZ4	W4002	
Jamb Side Stop, IZ2, IZ3	V1162	V1162
RT/Poly Stat Sash Stop, IZ4	W8462	W8462
Jamb Frame Filler, IZ4	W7686	
HJ Filler, IZ4	W7676	
Hardware Cover	W8459	W8459
HJ Stop, Operator	W8461	W8461
Sill Cover, Stat	W8723	W8723
HJ Stop, Stat	W7001	W7001
Jamb Stop, Stat	W7015	W7015



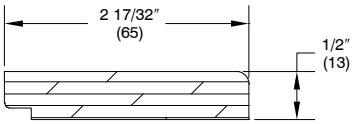
W8460
Jamb Side Stop, IZ4



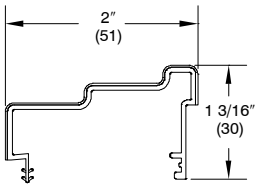
W4002
Glazing Stop, IZ4



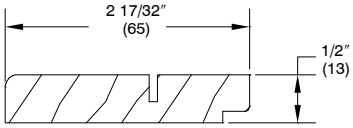
W8462
CMRT/Poly Stat
Sash Stop, IZ4



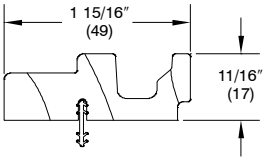
W7676
HJ Filler, IZ4



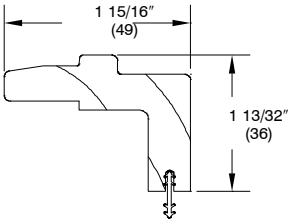
V1162
Jamb Side Stop, IZ2, IZ3



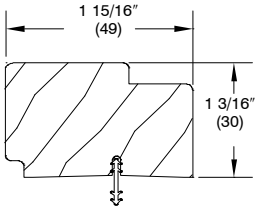
W7686
Jamb Frame Filler, IZ4



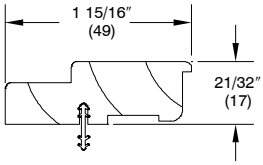
W8461
Oper. Head Jamb Stop



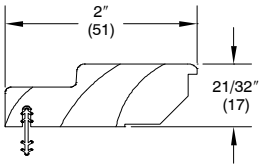
W8459
Oper. Hardware Cover



W8723
Stat. Hardware Cover



W7001
HJ Stop, Stat



W7015
Stat. Side Jamb Stop

ORDERING REPLACEMENT SCREENS FOR CASEMASTER

Screens are available with aluminum or wood surround and charcoal colored fiberglass 18 x 16 screen mesh. Aluminum mesh is available as an option in black, charcoal, bright aluminum, or bright bronze. Determine the outside measurement of the existing screen. Find the sizes that correspond to the width and height indicated on the following charts. Aluminum surrounds are available in satin taupe, bronze, white, brown and pebble gray.

When ordering replacement screen specify:

1. size; – If there is no existing screen from which to obtain the OM of the screen, determine the size of the screen by using measurement conversion charts below. The daylight opening is the measurement of the visible glass.
2. color;
3. mesh type (if other than standard)
4. year or fastener type (if other than current).

Note: Gold tone screen surround is no longer available.

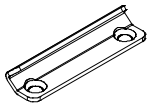
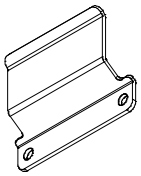
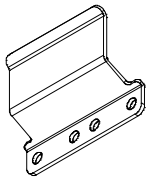
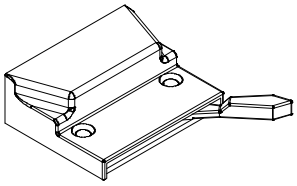
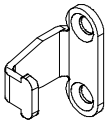
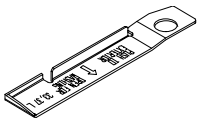
StormPlus IZ4
Casemaster and Awning Screen Sizes
Aluminum and Wood Screens

Daylight Opening to OM of Screen

Daylight Width + 2 3/4″ = OM Width of Screen
Daylight Height + 2 7/32″ = OM Height of Screen

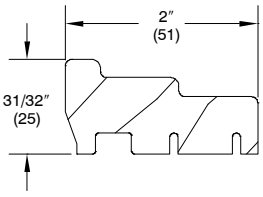
Width		Height	
Size	OM Width	Size	OM Height
CN 16	12 25/64″	CN 20	15 1/32″
CN 20	16 25/64″	CN 24	19 1/32″
CN 24	20 25/64″	CN 28	23 1/32″
CN 28	24 25/64″	CN 32	27 1/32″
CN 32	28 25/64″	CN 36	31 1/32″
CN 36	32 25/64″	CN 40	35 1/32″
CN 40	36 25/64″	CN 48	43 1/32″
CN 48	44 25/64″	CN 56	51 1/32″
CN 56	52 25/64″	CN 60	55 1/32″
		CN 64	59 1/32″
		CN 72	67 1/32″

Note: Screens produced after April 2003 utilize plunger and spring assemblies. Screens produced prior to April 2003 utilize bayonet latches.

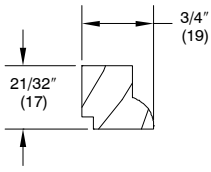
ILLUSTRATION *NOT TO SCALE*	DESCRIPTION	OPER COLOR	PART NO.
	**CM Snubber**		10899110
	**Lock Clips Secondary** IZ2 and IZ3		10500650
	**Lock Clips Primary** IZ2 and IZ3		10500651
	**Cam Lock** WAWN IZ4	BZ WH BS TP	10814904 10814905 10814906 10814907
	**High Strength Keeper** IZ4		10814900
 *Note: Left hand shown*	**Hinge Limiter**	LH RH	11040395 11040394

CURRENT REPLACEMENT WOOD AND VINYL PARTS

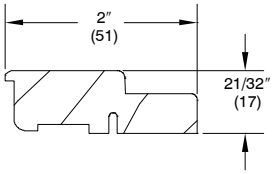
StormPlus	Clad	Wood
Jamb Side Stop, IZ4	W8460	W8460
Glazing Stop, IZ4	W4002	
Jamb Side Stop, IZ2, IZ3	V1162	V1162
Stat Sash Stop, IZ4	W8462	W8462
Jamb Frame Filler, IZ4	W7686	
HJ Filler, IZ4	W7676	



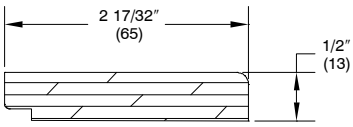
W8460
Jamb Side Stop, IZ4



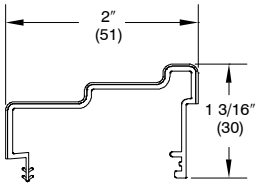
W4002
Glazing Stop, IZ4



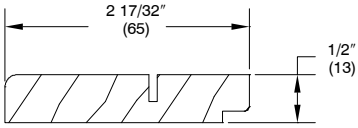
W8462
Stat Sash Stop, IZ4



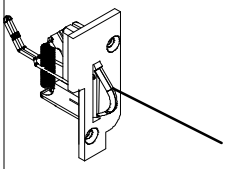
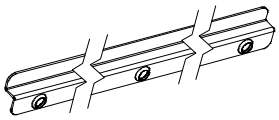
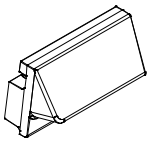
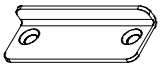
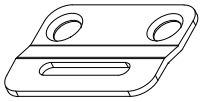
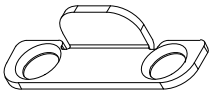
W7676
HJ Filler, IZ4



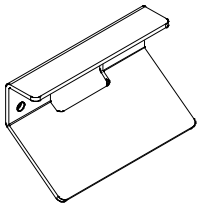
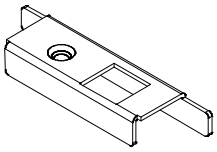
V1162
Jamb Side Stop, IZ2, IZ3



W7686
Jamb Frame Filler, IZ4

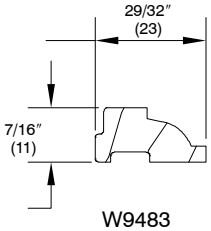
ILLUSTRATION *NOT TO SCALE*	DESCRIPTION	OPER.-COLOR	PART NO.
 RH Shown *Blade is Black*	**Tilt Latch Assembly** IZ3 – Clad only *Includes:* *1 – fastener 11806136* *1 – fastener 11800519*	LH RH	10500950 10500951
	Tilt Pin IZ3 – Clad only *Includes:* *1 – fastener 11800801* *1 – fastener 11881122*	SS	10500703
	**Interlock, Top Sash** IZ3 – Clad only *Includes:* *3 – fasteners 11806136*	BG	10500701
	Interlock, Bottom Sash IZ3 – Clad only *Includes:* *3 – fasteners 11806112*	SS	10500702
	Sill Bracket IZ3 – Clad only *Includes:* *2 – fasteners (BG) 11800763 or (WH) 11800764*	BG WH	11841103 11841104
	**Sash Stay** IZ3 Pre 01–23–2012 Clad only Current for Wood product	LH BG LHWH RH BG RH WH	10815280 10815282 10815281 10815283
	**Sill Bracket, Picture** IZ3		10500526
	**Storm Clips Clasp** IZ2	TP WH BZ BS AB ORBZ SC SN PC	10500696 10500691 10500690 10500692 10500693 10500697 10500694 10500698 10500695
	**Storm Clips Keeper** IZ2	TP WH BZ BS AB ORBZ SC SN PC	10500612 10500607 10500606 10500608 10500609 10500613 10500610 10500614 10500611

PARTS

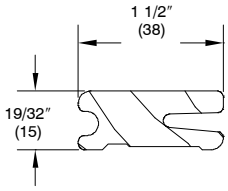
ILLUSTRATION *NOT TO SCALE*	DESCRIPTION	OPER. COLOR	PART NO.
	**Sill Strike Backer Plate** IZ2 and IZ3		10148009
	**Stile End Plate** IZ2, IZ3	LH RH	10148008 10148007
	#8 – 15 x 3″ 2/3 Thread SS Screw IZ2, IZ3,		11800858

CURRENT REPLACEMENT WOOD AND VINYL PARTS

StormPlus	Wood and Clad
Sill Liner, IZ3	W8661
Glazing Stop, IZ3	W9483

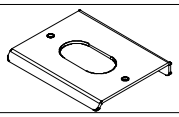
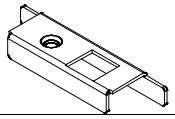
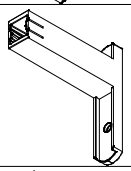
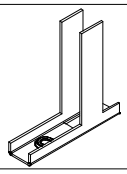
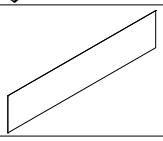
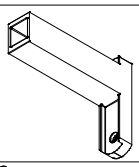
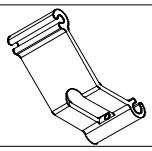
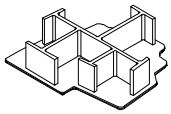
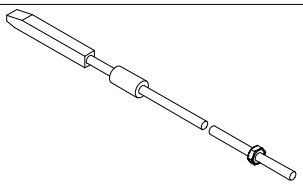
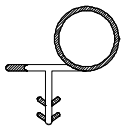


W9483
Glazing Stop, IZ3

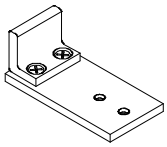
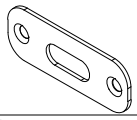
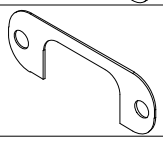
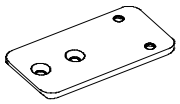


W8661
Sill Liner, IZ3

PARTS

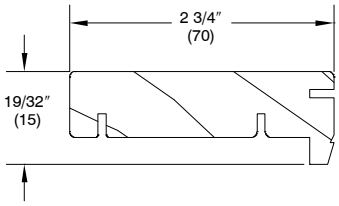
ILLUSTRATION *NOT TO SCALE*	DESCRIPTION	OPER./ COLOR	PART NUMBER
	**Sill Strike Backer Plate** Outswing Doors IZ2, IZ3, IZ4		10148006
	**Stile End Plate** IZ2, IZ3, IZ4	LH RH	10148008 10148007
	**Shoot Bolt Guide** IZ4 Used with shoot bolt guide reinforcement at bottom of panel		05700066
	**Shoot Bolt Guide Reinforcement** IZ4 Used with shoot bolt guide at bottom of panel		05700065
	**Mull Reinforcement Plate** IZ4		02070302
	**Shoot Bolt Guide** Used from 2001–2007 IZ4 Used on inactive panels		10815188
	**Mull Casing Base Connector** Used from 2004–2007 IZ4		11860080
	#8 – 15x3″ 2/3 Thread SS Screw IZ2, IZ3, IZ4 – Used at top of panel through stile end plate IZ4 – Used at bottom of panel through shoot bolt reinforcement		11800858
	#8x3″ panhead SS Screw IZ2, IZ3 – Used through bottom shoot bolt guide into stile.		11882350
	**Clad Mull Casing End Plug** IZ4 ***(Clad Doors Only)***	LH BG RH BG LH BZ RH BZ	10500255 10500254 10500267 10500266
	**Bottom Shoot Bolt Assembly, IZ4** *Includes:* *1 – Spacer* *1 – Hex Nut* *1 – Shoot Bolt* *1 – Lock Rod*		18900450
	**Bulb Weather Strip, V192** IZ4 192″	BG BK	15900118 15900117

PARTS

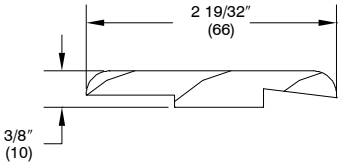
ILLUSTRATION *NOT TO SCALE*	DESCRIPTION	OPER./ COLOR	PART NUMBER
	**Header Reinforcement Bracket Assembly IZ4** *Includes:* *1 – Plate* *1 – Bracket* *2 – #8 x 3/8″ Machine Screws (02058014)* *2 – #8 x 1″ Full Thread Screws (11800645)*		21505000
	**Head Jamb Strike Plate IZ4**	SS	05700082
	**Shim, Head Jamb Strike IZ4**		11100251
	**Stationary Bracket** Jamb / Head Jamb IZ4		11100212
	#10 – 12 x 3″ Phillips Flathead Screw For Head Jamb Strike OFD IZ4		02056011
	Pkg, Panel Drip – COFD IZ4 July 30, 2012 – Present Includes: *A2408 Panel Drip, Foam Tape* *#6 x 1/4″ flat head screws*		
	1–6	Beige	11100272
	2–0	Beige	11100273
	2–6	Beige	11100274
	2–8	Beige	11100275
	3–0	Beige	11100276
	1–6	Bronze	11100282
	2–0	Bronze	11100283
	2–6	Bronze	11100284
	2–8	Bronze	11100285
	3–0	Bronze	11100286
	Pkg, Panel Drip – WOFD IZ4 July 30, 2012 – Present Includes: *A2408 Panel Drip, Foam Tape* *#6 x 1 1/4″ flat head screws*		
	1–6	Beige	11100277
	2–0	Beige	11100278
	2–6	Beige	11100279
	2–8	Beige	11100280
	3–0	Beige	11100281
	1–6	Bronze	11100287
	2–0	Bronze	11100288
	2–6	Bronze	11100289
	2–8	Bronze	11100290
	3–0	Bronze	11100291

CURRENT REPLACEMENT ALUMINUM, WOOD AND VINYL PARTS

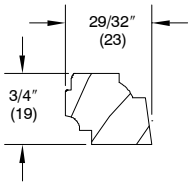
StormPlus	Wood and Clad
Wide Head Jamb Stop, IZ4	W6000
Oak Sill Cover, IZ3, IZ4	W9510
Glazing Stop, IZ4	W4019
Glazing Stop, IZ3	W9483
Jamb Part Stop, Stat., IZ4	W9475
Astragal, IZ4	W1091
Roller Track	V1017



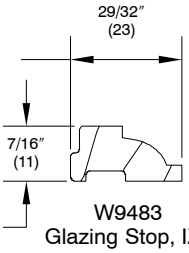
W6000
Wide Head Jamb Stop, IZ4



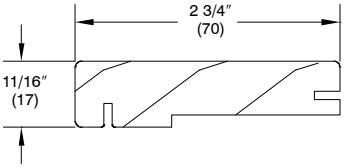
W9510
Oak Sill Cover, IZ3, IZ4



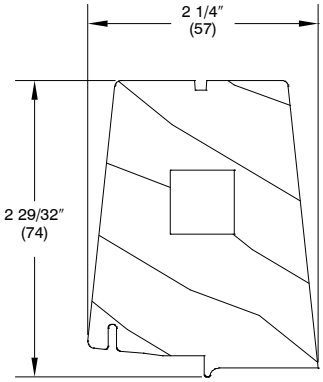
W4019
Glazing Stop, IZ4



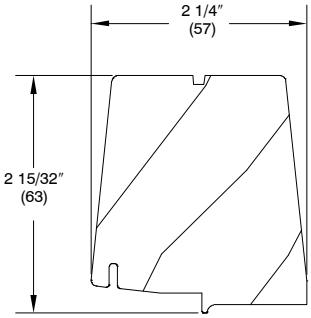
W9483
Glazing Stop, IZ3



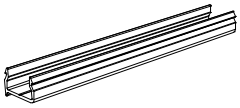
W9475
Jamb Part Stop, Stat IZ4



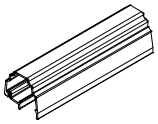
W1091
Astragal, IZ4
Used 2004–2007



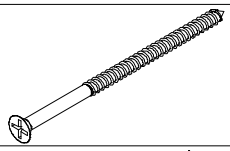
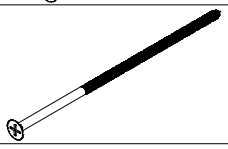
W9531
Mull Base, IZ4



A771
Mull Casing Base, IZ4

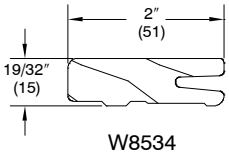


A772
Astragal Cladding, IZ4

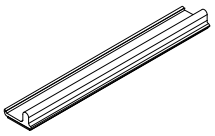
ILLUSTRATION *NOT TO SCALE*	DESCRIPTION	OPER. COLOR	PART NO.
	**#8 – 15x3″ 2/3 Thread SS Screw** IZ2, IZ3 – Used though lock, keeper and jamb into the structure at installation		11800858
	**#10 – 13x3″ 2/3 Thread SS Screw** IZ3 – Used through oak sill liner into structure at installation		11801017

CURRENT REPLACEMENT WOOD AND VINYL PARTS

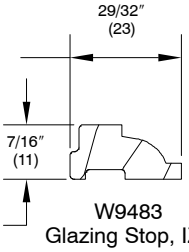
StormPlus	Wood	Clad
Glazing Stop, IZ3	W9483	W9483
Sill Liner, IZ2, IZ3	W8534	W8534



W8534
Sill Liner, IZ2, IZ3

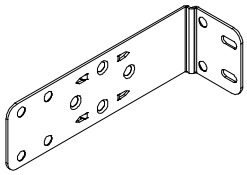
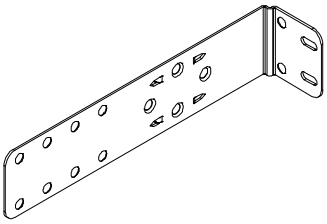


V1017
Roller Track



W9483
Glazing Stop, IZ3

PARTS

ILLUSTRATION *NOT TO SCALE*	DESCRIPTION	LENGTH	PART NUMBER
	**Structural Bracket, 4 9/16″** *UDH, UOFD*	Each 50/Box 100/Box	11860036 11860037 11860038
	**Structural Bracket, 6 9/16″** *UDH, UOFD*	Each 50/Box 100/Box	11860032 11860033 11860034