



MolimoTM
Architectural Product Testing

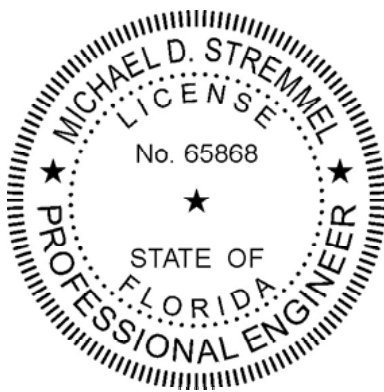
PRODUCT EVALUATION

8800 Sliding Glass Door – Impact

REPORT TO:

**WINCORE WINDOWS & DOORS
250 STAUNTON TURNPIKE
PARKERSBURG, WEST VIRGINIA 26104**

REPORT NUMBER: 27675.07-107-16-R1
REPORT DATE: 8/17/2026



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Michael D. Stremmel, PE
FL PE 65868
FL REG 37122

This item has been digitally signed
and sealed by Michael D. Stremmel,
PE on the date adjacent to the seal.

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on electronic copies.

Subject: 8800 Sliding Glass Door (XXO) Impact
Wincore Windows & Doors
250 Staunton Turnpike
Parkersburg, West Virginia 26104

Scope: Product Evaluation per Chapter 61G20-3.005(1)(d) Florida
Administrative Code, Evaluation report from a Florida Registered
Architect or a Licensed Florida Professional Engineer.

Building Code Compliance: This product has demonstrated compliance with the Florida
Building Code, Building, 9th Edition (2026):
§1609.1.2 Protection of Openings
§1709.5 Exterior window and door assemblies
§2404 Wind and Dead Loads on Glass

Performance Standards: AAMA/WDMA/CSA 101/I.S.2/A440-11
ASTM E1996-17, ASTM E1886-13a
ASTM E1300-16

Product Description: Door Frame Extruded Rigid (PVC) Vinyl
Corners are square cut and mechanically fastened with screws.

Door Sash Extruded Rigid (PVC) Vinyl
Corners are miter cut and thermally welded. Steel and aluminum reinforced
stiles.

Glazing Validate Glazing with ASTM E1300

Glazing Type	Glazing Construction
1	3/16" Tempered Glass (Exterior) (2) 1/8" Annealed Glass with 0.090" PVB (Eastman <i>Saflex</i>)

Exterior glazed against silicone back bedding (Sika *Sikaflex 552*). Exterior,
snap-in PVC glazing bead. 1/2" bite.

Anchorage Various anchorages (see *Installation*)

For additional product information see Appendix A and attached
product drawings.

- Installation:** Wood: Minimum Spruce-Pine-Fir 2x (G = 0.42).
 #10 Wood Screw (Shall conform to ANSI/ASME B18.6.1 and be corrosion resistant).
- Steel Stud: Minimum 18 gauge (0.043" thick) 33 KSI steel stud.
 #12-14 TEKS screw (see ICC ESR 1976).
- Concrete: Minimum $f'_c = 3,000$ psi.
 3/16" ITW Tapcon with Advanced Threadform Technology
 Concrete and Masonry Anchors (see NOA 22-0524.04).
- Concrete: ASTM C90, minimum $f'_m = 1,500$ psi.
 Masonry: 3/16" ITW Tapcon with Advanced Threadform Technology
 Concrete and Masonry Anchors (see NOA 22-0524.04).

Installation shall follow manufacturer's instructions, product approvals and the referenced installation drawings.

Limitations of Use:

Product	Glazing Type	Maximum Overall Size	Maximum Glazing Size	Approved Performance
8800 (XXO)	1	144" x 96"	42-1/4" x 85"	+/-50 psf Missile D Wind Zone 3

Products have been tested for windborne debris resistance and do not require protective devices (i.e. shutters) if installed in a windborne debris region.

Products are not approved for use in High Velocity Hurricane Zone (HVHZ).

Supporting Evidence: Test Report NCTL-110-23232-3 (AAMA/WDMA/CSA 101/I.S.2/A440-11)
Revision -, 05/19/20
National Certified Testing Laboratories, Inc. York, PA (TST4744)

Test Report NCTL-110-23232-5 (ASTM E1996-14a, ASTM E1886-13a)
Revision -, 05/19/20
National Certified Testing Laboratories, Inc. York, PA (TST4744)

Calculation Report 27675.05-107-16
Revision 1, 8/17/26
Michael D. Stremmel, PE (FL PE 65868)

Standard Equivalency: ASTM E1996-14a vs ASTM E1996-17
The following differences were noted after a review of the two standards:

1. In ASTM E1996-17, Wind Zone 4 was deleted from the body of the standard and move to the newly created Annex X4 which contains language associated with Wind Zone 4 .
2. In ASTM E1996-17, the wind speeds used to define the wind zones were changed to reflect the changes made in ASCE 7.
3. In ASTM E1996-17, a general revision was made to Annex A1 *Fenestration Substitution*.

The noted differences do not affect the test specimen requirements, test methods or interpretation of results. And, the revised substitution criteria would only be relevant for additional testing beyond the initial three identical test specimens. Thus, it is my professional opinion that the test method standards are equivalent.

Certification of Independence: In accordance with Rule 61G20-3 Florida Administrative Code, Molimo, LLC hereby certifies the following:

1. Molimo, LLC does not have, nor does it intend to acquire or will it acquire, a financial interest in any company manufacturing or distributing products tested or labeled by the agency.
2. Molimo, LLC is not owned, operated or controlled by any company manufacturing or distributing products it tests or labels.
3. Michael D. Stremmel, P.E. does not have nor will acquire, a financial interest in any company manufacturing or distributing products for which the reports are being issued.
4. Michael D. Stremmel, P.E. does not have, nor will acquire, a financial interest in any other entity involved in the approval process of the product.

Reference Drawings: 27675.05-1002 8800 SGD Impact. Revision 1, 8/17/26.

Revision Log

<u>Identification</u>	<u>Date</u>	<u>Page & Revision</u>
Original Issue	12/13/23	Not Applicable
Revision 1	8/17/26	Updated report per the 2026 FBC

Appendix A – Detailed Product Description

Glazing Details: Exterior glazed against a silicone back bedding (Sika *Sikaflex 552*). Additionally secured with exterior, snap-in PVC glazing bead. Glass bite is 1/2".

Weatherstripping: Strip with 0.240" center fin. Two (2) rows at sash rails.
Strip with 0.240" center fin. One (1) row at meeting stiles.
Strip with 0.420" center fin. One (1) row at sill inserts.
Vinyl-wrapped foam gasket. Two (2) rows at jamb.
Dual durometer vinyl bulb gasket. One (1) row at jamb.
2.6"x1.5"x0.270" poly-pile pad. Head and sill track at meeting stiles.

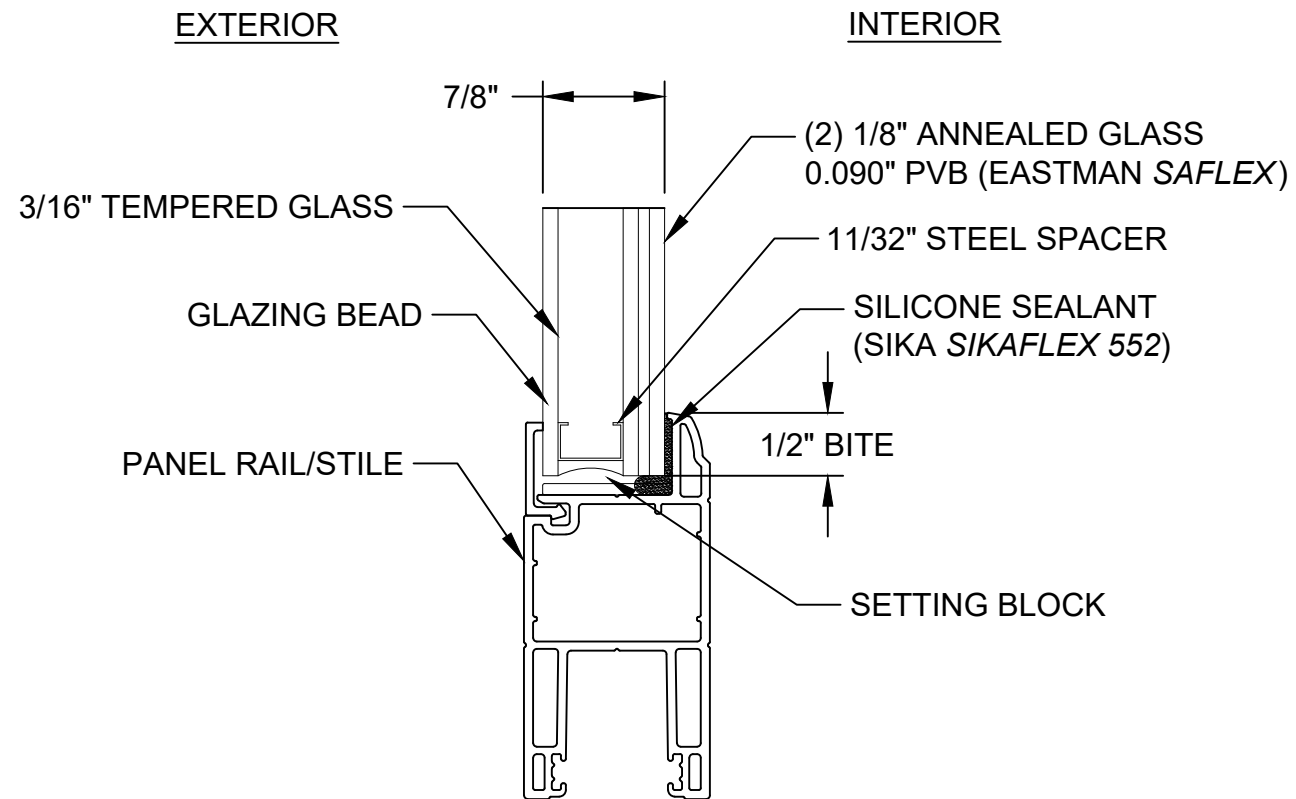
Frame Construction: Extruded rigid (PVC) vinyl members. Butt joints at head secured with five (5) #10x2" pan head, stainless steel screws. Butt joints at sill secured with seven (7) #10x2" pan head, stainless steel screws. Butt joints sealed with small joint compound.

Sash Construction: Extruded rigid (PVC) vinyl members. Thermally welded miter joints.

Drainage: Sloped sill
1.185"x0.150" weeps. Three (3) at interior sill leg and three (3) at center sill leg.
1.040"x0.150" weeps. Each end of exterior sill track.
1.000"x0.150" weeps. Each end of sill screen track.
1.500"x0.200" weeps. Three (3) at exterior face of sill.
0.315"x0.090" weeps. Each end of glazing bead at bottom rail

Hardware: Handle kit (Roto) with two-point lock. Located at lock stile.
Metal lock keeper. Located at lock jamb.
Nylon roller with metal housing. Each end of each operable sash.
Aluminum roller guide. Located at sill track.

Reinforcement: 1.3mm roll formed steel. Lock stile.
2.0mm roll formed steel. Meeting stiles.
Extruded aluminum interlocks. Meeting stiles



**8800 SGD - Impact
Glazing Detail**

Wincore Windows & Doors

250 Staunton Turnpike
Parkersburg, WV 26104

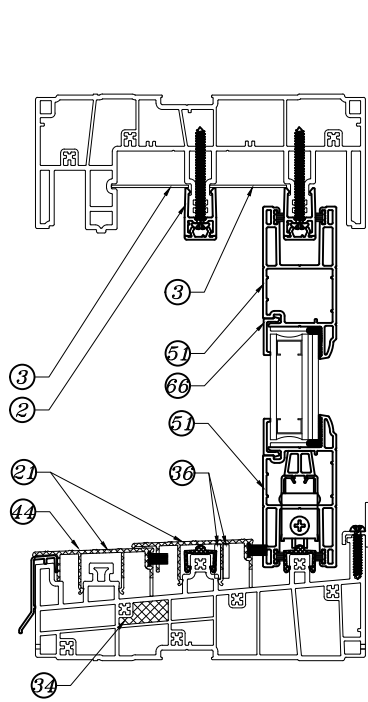
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Project No.: 23550-5

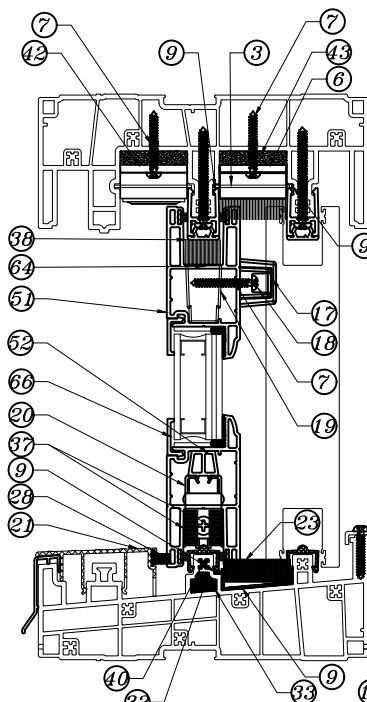
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Scale: NTS

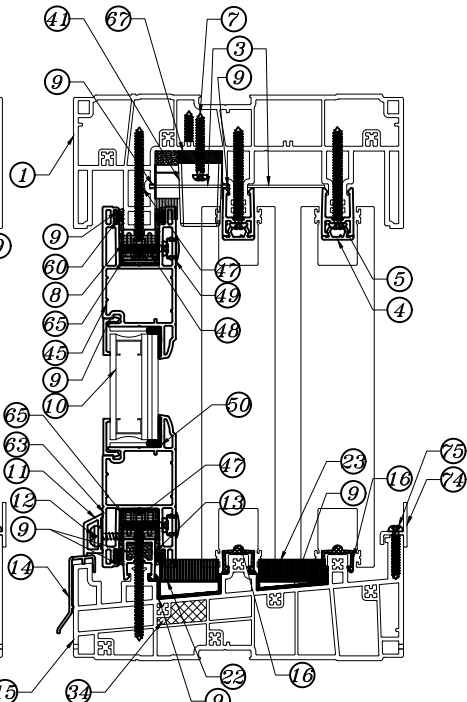
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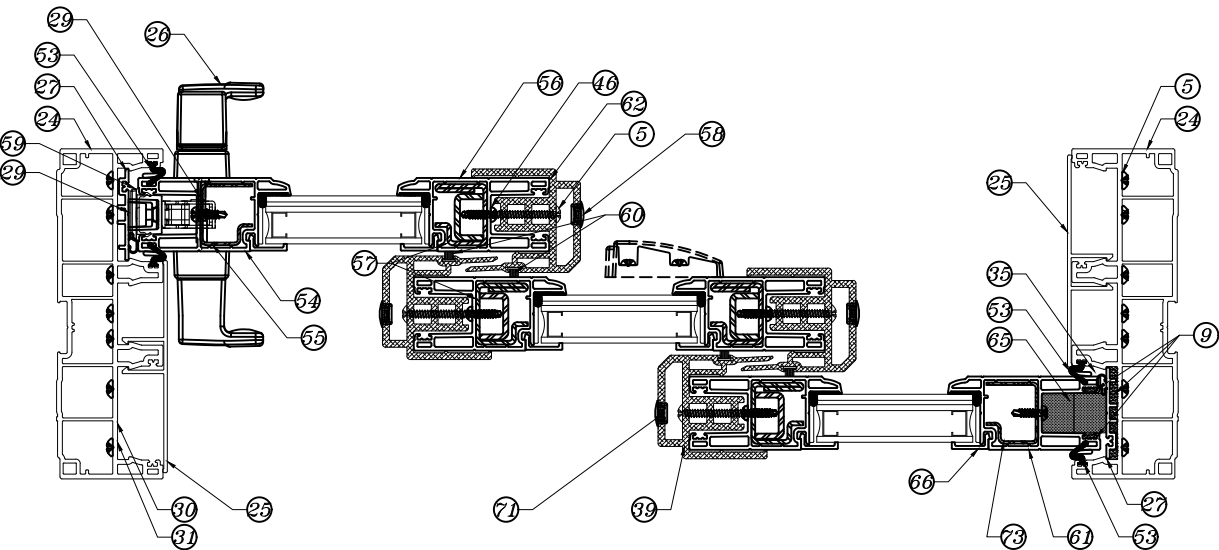
SECTION A-A



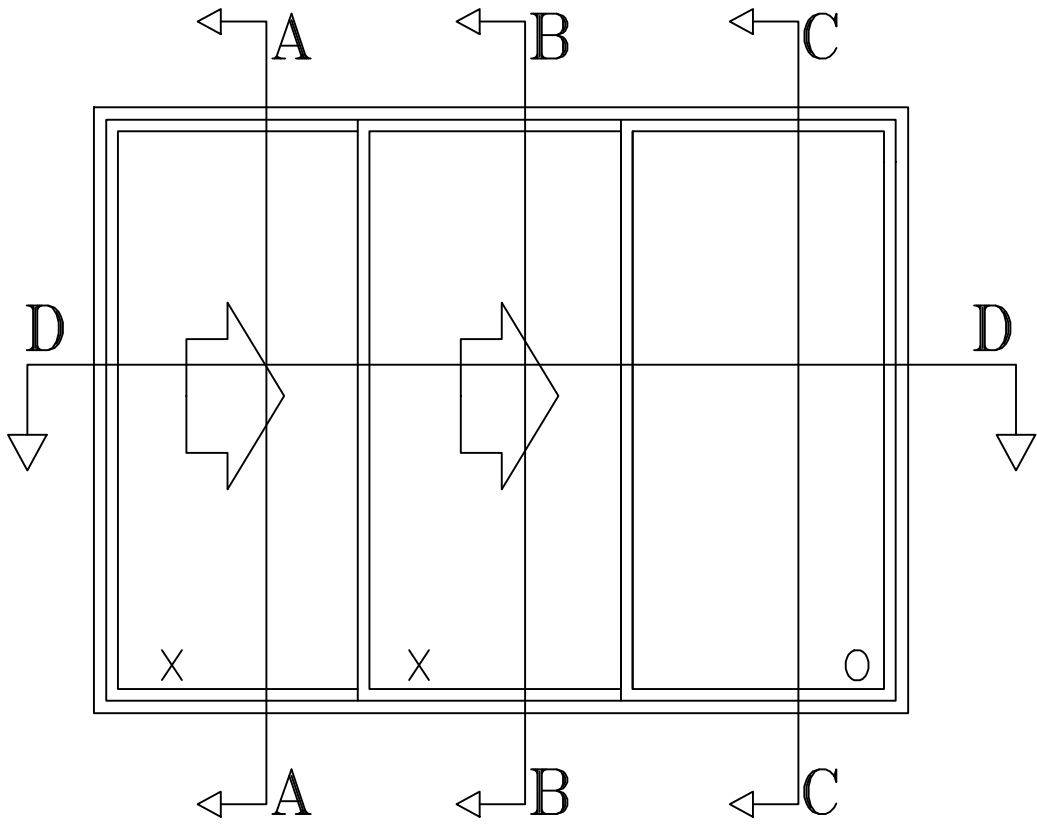
SECTION B-B



SECTION C-C



SECTION D-D



Item	PART No.	Item Description	Source
1	8352, 8302, 8312, 8322, 8332, 8362, 8372, 8382	Head track profile	P.H. Tech
2	8321	Head track	P.H. Tech
3	8323	Head Cover	P.H. Tech
4	8331	Head Cover Rail	P.H. Tech
5	8942.VIS10	No. 10 x 2", Pan head, Phillips, SS Screw	P.H. Tech
6	703	Head Weatherseal	P.H. Tech
7	8941	No. 8-18 x 1 1/4", Pan head, Quadrex screw	P.H. Tech
8	7003	Fixed sash anchor block	P.H. Tech
9		Sealant	Various
10		Glass	Various
11	6352	Drip Cap	P.H. Tech
12	8813.VIS10	No. 10-12 x 5/8", special mushroom head, Quadrex	P.H. Tech
13	8301	Fixed Rail Support	P.H. Tech
14	9730	Sill cladding	P.H. Tech
15	8350, 8300, 8310, 8320, 8330, 8360, 8370, 8380	Sill track profile	P.H. Tech
16	9708	Sliding rail	P.H. Tech
17	8389.58.CAPEV	Cap (bumper of the central mobile sash)	P.H. Tech
18	8389.04.ARREV	Bumper (central mobile sash)	P.H. Tech
19	8397	Mobile welded sash anchor block	P.H. Tech
20	9732	Tandem Wheel	P.H. Tech (Truth)
21	9718	Sill protector	P.H. Tech
22	8371	Sill weatherseal block (33mm)	P.H. Tech
23	8381	Sill Weatherseal block (37mm)	P.H. Tech
24	8354, 8304 8314, 8324, 8334, 8364, 8374, 8384	Jamb track profile	P.H. Tech
25	8313	Jamb cover	P.H. Tech
26	9748	Handle Kit	P.H. Tech (Roto Fasco)
27	8303	Bulb weatherstrip adaptor	P.H. Tech
28	9581, 9575	Weatherstrip	Ultrafab #T-08-42027045-GV Schlegel #HF-7532-270
29	9250	Mortise Lock / Keeper kit	P.H. Tech (Roto Fasco)
30	8378	Frame Corner Gasket (Sill)	P.H. Tech
31	8379	Frame Corner Gasket (Head)	P.H. Tech
32	8781	Rail foam plug	P.H. Tech
33	8782	Anti bug foam (rail)	P.H. Tech

Item	PART No.	Item Description	Source
34	8783	Anti bug foam (sill)	P.H. Tech
35	8784	Fixed sash foam bloc	P.H. Tech
36	8387	Sill protector foam gasket (mobile)	P.H. Tech
37	8786	Bottom weatherstrip (center sash)	Schlegel #DPAB 0.827" x0.500" x1.125"
38	8787	Top weatherstrip (center sash)	Schlegel #DPAB 0.827" x0.625" x1.000"
39	8377	Sill protector foam gasket	P.H. Tech
40	8788	Rail foam plug	P.H. Tech
41	8940	Bumper	P.H. Tech
42	8703	Head block	P.H. Tech
43	8373	Spacer for blocks 703/8703	P.H. Tech
44			
45	7508.F	Fixed horizontal rail	P.H. Tech
46	9867.VIS08	No. 8-10 x 5/8", pan head, quadrex self-drilling screw	P.H. Tech
47	9619.VIS08	No. 8-15 x 2 3/4", flat head, Quadrex, Wood screw	P.H. Tech
48	9796.VIS08	No. 8-10 x 5/8", pan head, quadrex screw	P.H. Tech
49	9667	Screw Cap	P.H. Tech
50	8933	Setting block (glass)	P.H. Tech
51	7508.M	Mobile horizontal rail	P.H. Tech
52	7541	Tandem Wheel setting block	P.H. Tech
53	9584	Weatherstrip	Amsbury/Truth Foamfile #32343
54	7587-M	Mobile side stile	P.H. Tech
55	9598-M	Mobile side stile steel reinforcement	P.H. Tech
56	7526	Meeting stile	P.H. Tech
57	9528	Meeting stile steel reinforcement	P.H. Tech
58	8842	Sliding cap	P.H. Tech
59	7523	Groove cover	P.H. Tech
60	9550	Weatherstrip	Schlegel #HF-7522-270 Nap #RPHF027023
61	7587-F	Fixed side stile	P.H. Tech
62	7026	Interlock	P.H. Tech
63	8395-L/R	Drip Cap Cover (Left/Right)	P.H. Tech
64			
65	9853	Foam plug	P.H. Tech
66	5770, 5771, 5772, 5775, 5792, 5793, 5796	Glazing bead	P.H. Tech
67	8789	Spacer for bumper	P.H. Tech
73	9598-F	Fixed side stile steel reinforcement	P.H. Tech

* = Option

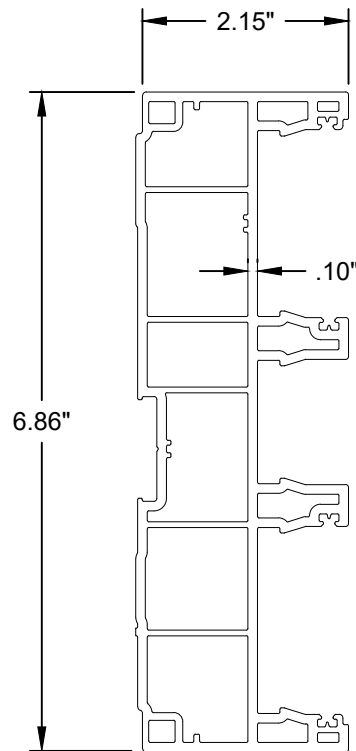
8800 SGD - Impact Sections and BOM

Wincore Windows & Doors
250 Staunton Turnpike
Parkersburg, WV 26104

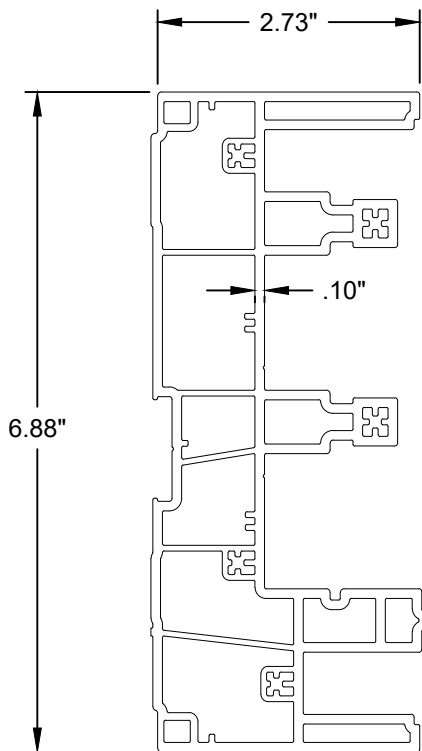
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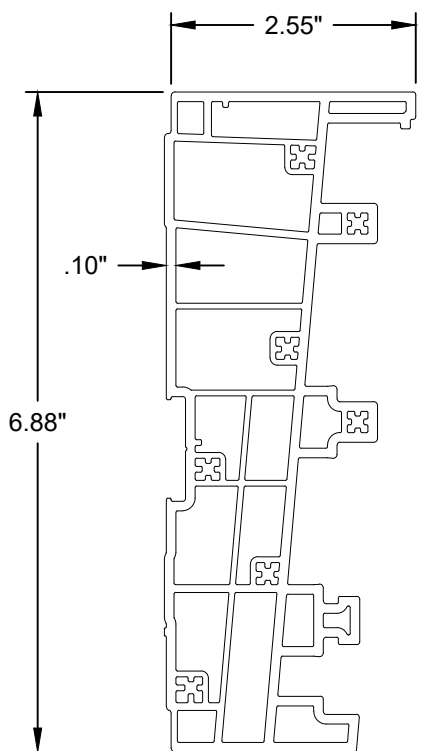
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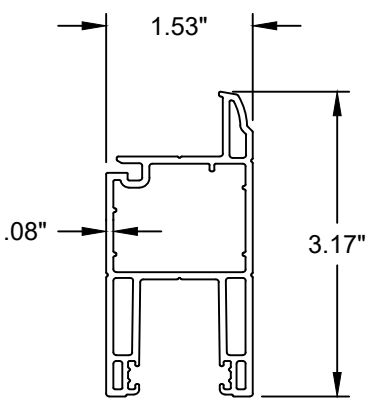
JAMB TRACK
PVC



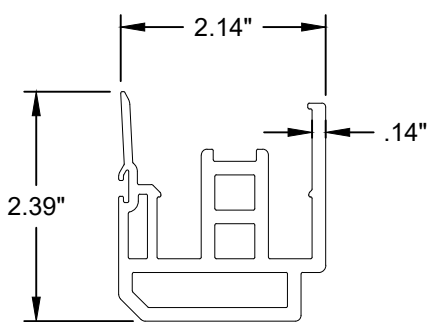
HEAD TRACK
PVC



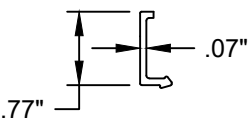
SILL TRACK
PVC



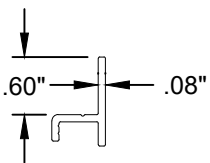
STILE/RAIL
PVC



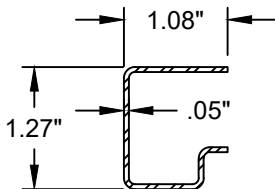
INTERLOCK
6063-T5 ALUMINUM



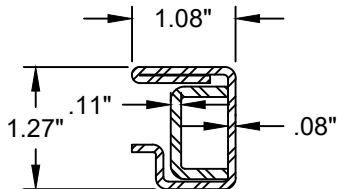
GLAZING BEAD
PVC



WATER BAR
6063-T5 ALUMINUM



STILE REINFORCEMENT
STEEL



MEETING STILE REINFORCEMENT
STEEL

HARDWARE	
ITEM	LOCATION
HANDLE KIT (ROTO) WITH 2-POINT LOCK	LOCK STILE
METAL KEEPER	LOCK JAMB
NYLON ROLLER WITH METAL HOUSING	EACH END OF BOTTOM RAIL
ALUMINUM ROLLER GUIDE	SILL TRACK

8800 SGD - Impact
Components

Wincore Windows & Doors

250 Staunton Turnpike
Parkersburg, WV 26104

Drawing No.: 23550-5-1002
Project No.: 23550-5
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