

**TRIFAB® VERSAGLAZE® 601/601T/601UT  
FRAMING SYSTEM - CENTER SET**

Estimating / Take-Off And Ordering Guide -  
Screw Spline Fabrication

August 2022

ETGC070AEN



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













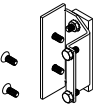


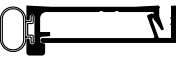

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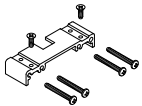



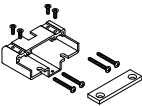
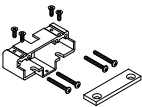

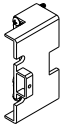
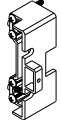
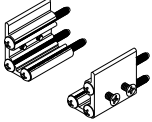
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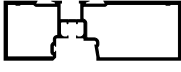
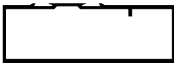

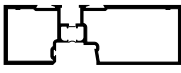

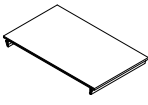
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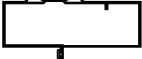

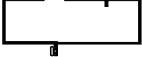

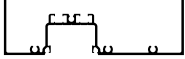

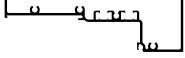



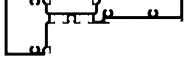
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## Parts Identification

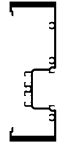
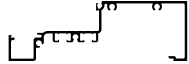
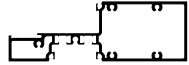
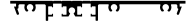
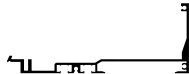

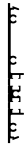


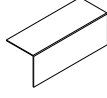
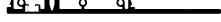
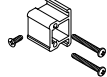
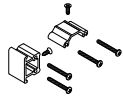
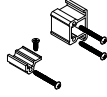
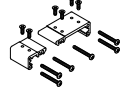
PART NUMBER: DESCRIPTION	PROFILE
027073: Setting Block 5/8" x 1-1/4" x 4-1/8" (EPDM)	
027073-SI: Setting Block 5/8" x 1-1/4" x 4-1/8" (SILICONE)	
027074: Standard Wedge Gasket - 3/16"	
027076: Light Wedge Gasket - 1/8"	
027077: Heavy Wedge Gasket - 1/4"	
027078: Bulb Door Weathering	
027080: Setting Block 11/16" x 1-1/4" x 4-1/8" (EPDM)	
027080-SI: Setting Block 11/16" x 1-1/4" x 4-1/8" (SILICONE)	
027081: Setting Block 3/16" x 1-1/4" x 4-1/8" (EPDM)	
027081-SI: Setting Block 3/16" x 1-1/4" x 4-1/8" (SILICONE)	
028260: #8 x 3/8" Type 1 Cross Recessed Pan Head Thread Forming Screw - Type AB (Used with 1" and 1-1/2" applied door stops)	
028808: #8 x 1/2" Type 1 Cross Recessed Pan Head Thread Forming Screw - Type AB	
028856: #12 x 1-1/8" Type 1 Cross Recessed Pan Head Thread Forming - Type AB	
041045: Concealed Overhead Closer Door Stop (Used with 027078 weathering)	
050761: Offset Pivot/Butt Hung Closer Mounting Bracket Package	
060888: Vent Adapter (For equal leg frames)	
069177: 1" Applied Door Stop Package (Requires screw 028260, 35 each per stock length)	
069201: 1-1/2" Applied Door Stop Package (Requires screw 028260, 35 each per stock length)	
069271: Stool Trim Clip Package, Includes (1) 069269 and (2) 028273 fasteners	

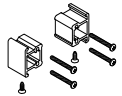

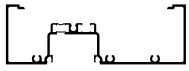

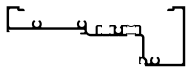

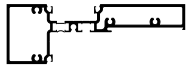

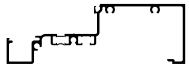
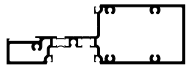

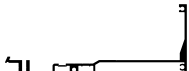

PART NUMBER: DESCRIPTION	PROFILE
127178: 9" Long Silicone Splice Sheet	
128407: #10 x 7/16" Type 1 Cross Recessed Pan Head Thread Forming Screw - Type B	
400110: Steel Reinforcing	
450022: Transom Bar Glass Stop	
450110: Steel Reinforcing	
450506: Single Acting Transom Bar Clip Package	
451087: Snap-in Flat Pocket filler	
451105: Water Deflector	
451165: Sill Flashing End Cap (At door jamb)	
451548: Shear Block Package (Offset Pivot Transom Bar/Header)	
451549: Shear Block Package (Butt Hung Transom Bar/Header)	
451CG004: Glass Stop	
451T400: Concealed Overhead Closer Offset Pivot Shear Block Package	
451T401: Concealed Overhead Closer Butt Hinge Shear Block Package	
451T402: Transom Bar / Header Shear Block Package	

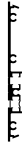




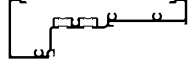

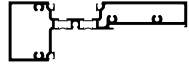
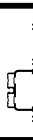
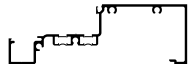



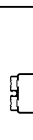
PART NUMBER: DESCRIPTION	PROFILE
451VG029: 1/4" Infill Adapter	
451VG030: 5/8" Infill Adapter	
451VG572: Compensating Receptor Face with weathering	
451VG573: Tubular Compensating Receptor Face with weathering	
452132: Vent Adapter (Black PVC)	
452139: Snap-in Door Stop (Non-conductive material for use with 1-3/4" deep entrances. Includes weathering and aluminum snap on trim cover)	
452140: Aluminum Snap-in Door Stop (For use with 1-3/4" deep entrances)	
452141: Snap-in Door Stop (Non-conductive material for use with 2" deep entrances. Includes weathering and aluminum snap on trim cover)	
452142: Aluminum Snap-in Door Stop (For use with 2" deep entrances)	
452143: Aluminum Snap-in Door Stop (For use with 2-1/4" deep entrances)	
469407: Pocket Filler	
480520: Side Block (0.500")	
601036: Door Jamb	
601037: Transom Bar/Header (For use with surface mounted closer)	
601079: Tubular Transom Bar	
601136: Thermal Door Jamb	
601137: Thermal Door Transom Bar/Header (For use with surface closer)	
601145: Plastic Shim Backer (Black only)	
601146: Shim Backer - 3" Long	



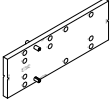
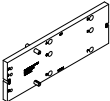
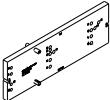
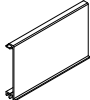
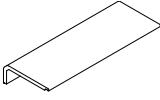
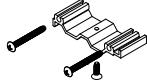
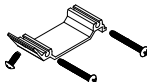
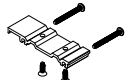
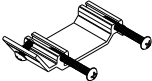
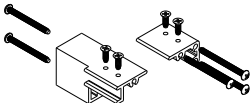
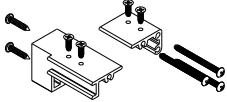
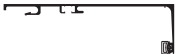
PART NUMBER: DESCRIPTION	PROFILE
601501: Door Jamb with weathering (For use with 1-3/4" deep entrances)	
601502: Transom Bar/Header with weathering (For use with 1-3/4" deep entrances)	
601542: Transom Bar/Header with weathering (For use with 2-1/4" deep entrances)	
601544: Door Jamb with weathering (For use with 2-1/4" deep entrances)	
601545: Transom Bar/Header with weathering (For use with 2" deep entrances)	
601547: Door Jamb (For use with 2" deep entrances)	
601CG001: Head (Outside glazed) / Jamb / Mullion	
601CG002: Pocket Filler	
601CG003: Head (Inside glazed)	
601CG004: Glass Stop (Inside glazed)	
601CG005: Tube Mullion	
601CG010: Expansion Mullion Female Half (Also used as Brake Metal Corner)	
601CG011: Horizontal (Inside glazed)	



PART NUMBER: DESCRIPTION	PROFILE
601CG013: Heavy Weight Mullion	
601CG014: Sill	
601CG021: Horizontal (Outside glazed)	
601CG026: Perimeter Filler	
601CG037: Sill Flashing	
601CG112: 2-1/4" Wide Mullion	
601CG216: Shim Backer - 6" Long (Used with 601CG001/601CG003)	
601CG315: Rigid Plastic End Dam (Used with 601CG037)	
601CG316: Aluminum End Dam (Used with 601CG037)	
601CG317: Receptor End Dam	
601CG521: Strap Anchor - 4" Long (Used with 601CG001/601CG003)	
601CG524: Sill Shear Block Package	
601CG525: Horizontal Shear Block Package (Inside glazed)	
601CG526: Horizontal Shear Block Package (Outside glazed)	
601CG527: Transom Bar/Header Shear Block Package	

PART NUMBER: DESCRIPTION	PROFILE
601CG528: Head Member Shear Block Package (Outside glazed)	
601CG540: Expansion Mullion Male Half with weathering	
601TCG001: Head (Outside glazed)/Jamb/Mullion	
601TCG002: Mullion Pocket Filler	
601TCG003: Head (Inside glazed)	
601TCG010: Expansion Mullion Female Half (Also used as Brake Metal Corner)	
601TCG011: Horizontal (Inside glazed)	
601TCG013: Heavy Weight Mullion	
601TCG014: Sill	
601TCG021: Horizontal (Outside glazed)	
601TCG026: Perimeter Filler	
601TCG037: Sill Flashing	
601TCG112: 2-1/4" Wide Mullion	

PART NUMBER: DESCRIPTION	PROFILE
601TCG216: Shim Backer - 6" Long (For use with 601TCG001/601TCG003 and 601UTCG003/601UTCG003)	
601TCG521: Strap Anchor - 4" Long (For use with 601TCG001/601TCG003 and 601UTCG003/601UTCG003)	
601TCG540: Expansion Mullion Male Half with weathering	
601TVG570: Two-Piece Compensating Receptor with weathering	
601UTCG001: Head (Outside glazed)/ Jamb/Mullion	
601UTCG003: Head (Inside glazed)	
601UTCG010: Expansion Mullion Female Half (Also used for Brake Metal Corner)	
601UTCG011: Horizontal (Inside glazed)	
601UTCG013: Heavy Weight Mullion	
601UTCG014: Sill	
601UTCG021: Horizontal (Outside glazed)	
601UTCG026: Perimeter Filler	
601UTCG037: Sill Flashing	
601UTCG112: 2-1/4" Wide Mullion	

PART NUMBER: DESCRIPTION	PROFILE
601UTCG216: Shim Backer - 6" Long (For use with 601UTCG003/601UTCG003)	
601UTCG540: Expansion Mullion Male Half with weathering	
601VG201: Screw Spline Drill Fixture	
601VG203: Screw Spline Drill Fixture	
601VG204: Shear Block Drill Fixture	
601VG342: Split Mullion Anti-Buckling Clip	
601VG374: Mullion End Load Clip for Compensating Receptors	
601VG523: Head Shear Block Package (Inside Glazed)	
601VG524: Head/Sill Shear Block Package (Outside Glazed)	
601VG525: Horizontal Shear Block Package	
601VG561: Door Jamb Shear Block Package at Outside Glazed Head	
601VG562: Shear Block Package at Transom Bar Attachment to Jamb	
601VG563: Shear Block Package at Transom attachment to Mullion	
601VG570: Two-Piece Compensating Receptor with weathering	

## Trifab® VersaGlaze® 601/601T/601UT Framing System - Center Set Takeoff Guide



### NOTE

Always review project specific shop drawings for any required steel reinforcing, heavy wall mullion or anti-buckling clip requirements.

SCREW SPLINE FRAMING	OUTSIDE GLAZED (STOPS UP)		
	NON-THERMAL	THERMAL	ULTRA-THERMAL
Perimeter Filler (Used with Head and Jamb)	601CG026	601TCG026	601UTCG026
Head	601CG001	601TCG001	601UTCG001
Glass Stop (Used with Horizontal and Sill)	451CG004		
Horizontal	601CG021	601TCG021	601UTCG021
Sill	601CG014	601TCG014	601UTCG014
Sill Flashing	601CG037	601TCG037	601UTCG037
Jamb	601CG001	601TCG001	601UTCG001
Tube Mullion	601CG005		N/A
Split Mullion	601CG001	601TCG001	601UTCG001
Pocket Filler (Used with Split Mullion)	601CG002	601TCG002	

SCREW SPLINE FRAMING	INSIDE GLAZED (STOPS DOWN)		
	NON-THERMAL	THERMAL	ULTRA-THERMAL
Perimeter Filler (Used with Head and Jamb)	601CG026	601TCG026	601UTCG026
Head	601CG003	601TCG003	601UTCG003
Glass Stop (Used with Head and Horizontal)	601CG004		
Horizontal	601CG011	601TCG011	601UTCG011
Sill	601CG014	601TCG014	601UTCG014
Glass Stop (Used with Sill)	451CG004		
Sill Flashing	601CG037	601TCG037	601UTCG037
Jamb	601CG001	601TCG001	601UTCG001
Tube Mullion	601CG005		N/A
Split Mullion	601CG001	601TCG001	601UTCG001
Pocket Filler (Used with Split Mullion)	601CG002	601TCG002	

EXPANSION MULLIONS			
	NON-THERMAL	THERMAL	ULTRA-THERMAL
Expansion Mullion Male Half with Weathering	601CG540	601TCG540	601UTCG540
Expansion Mullion Female Half	601CG010	601TCG010	601UTCG010

OPTIONAL MULLIONS			
	NON-THERMAL	THERMAL	ULTRA-THERMAL
Heavy Weight Mullion	601CG013	601TCG013	601UTCG013
2-1/4" Wide Mullion	601CG112	601TCG112	601UTCG112
Pocket Filler (Used with Split Mullion)	601CG002	601TCG002	

STEEL REINFORCING	
Steel Reinforcing (Used with Expansion Mullion)	400110
Steel Reinforcing (Used with 2-1/4" Wide Mullion)	450110

BRAKE METAL CORNERS			
	NON-THERMAL	THERMAL	ULTRA-THERMAL
Expansion Mullion Female Half	601CG010	601TCG010	601UTCG010

COMPENSATING RECEPTORS			
	NON-THERMAL	THERMAL	ULTRA-THERMAL
Two-Piece Compensating Receptor with weathering (See note below)	601VG570	601TVG570	
Standard Compensating Receptor Face with weathering	451VG572		
Heavy Weight Compensating Receptor Face with weathering	451VG573		
Compensating Receptor Reinforcing Clip	601VG374		
Mullion Pocket Filler (Supplied in Black only)	601145		
Shim Backer (3' long piece)	601146		
End Dam for Compensating Head Receptor	601CG317		

**NOTE**

500 lb. maximum end reaction with 451VG572 face, 1000 lb. maximum end reaction with 451VG573 face, and 1 each 601VG374 clips at each vertical mullion.

ENTRANCE FRAMING MEMBERS	
Door Jamb	601036
Thermal Door Jamb	601136
Transom Bar/Header (For use with surface mounted closers)	601037
Thermal Door Transom Bar/Header (For use with surface mounted closers)	601137
Door Jamb with weathering (For use with 1-3/4" deep entrances)	601501

<b>ENTRANCE FRAMING MEMBERS</b>	
Transom Bar/Header with weathering (For use with 1-3/4" deep entrances)	601502
Door Jamb with weathering (For use with 2" deep entrances)	601547
Transom Bar/Header with weathering (For use with 2" deep entrances)	601545
Door Jamb with weathering (For use with 2-1/4" deep entrances)	601544
Transom Bar/Header with weathering (For use with 2-1/4" deep entrances)	601542
Transom Bar/Header (For use with concealed closers)	601079
Door Stop - requires 027078 weathering (For use with concealed closers)	041045
Transom Bar Glass Stop (For use with 601037 and 601079)	450022

<b>DOOR STOPS</b>	
Door Stop - requires 027078 weathering (For use with concealed closers)	041045
1" Applied Door Stop Package with weathering (Requires 028260 fastener, 35 each per stock length)	069177
1-1/2" Applied Door Stop Package with weathering (Requires 028260 fastener, 35 each per stock length)	069201
Aluminum Snap-in Door Stop (For use with 1-3/4" deep entrances)	452140
Aluminum Snap-in Door Stop (For use with 2" deep entrances)	452142
Aluminum Snap-in Door Stop (For use with 2-1/4" deep entrances)	452143
Snap-in Door Stop (Non-conductive material for use with 1-3/4" deep entrances. Includes weathering and aluminum snap on trim cover)	452139
Snap-in Door Stop (Non-conductive material for use with 2" deep entrances. Includes weathering and aluminum snap on trim cover)	452141

<b>POCKET FILLERS</b>	
Snap-in Pocket Filler (For use with TF 601 only)	451087
Vent Adaptor (Black PVC)	452132
Plastic Pocket Filler (For use with GLASSvent®)	469407

<b>FASTENERS</b>	
Applied Door Stop Fastener (#8 x 3/8" pan head Type AB, zinc plated head)	028260
End Dam Fastener (Type AB #8 x 1/2" pan head)	028808
Spline Screw (Type AB pan head machine screw)	028856
Sill to Sill Flashing Fastener (#10 x 7/16" pan head Type B Stainless Steel)	128407

<b>DRILL FIXTURE</b>	
Drill Fixture - Screw Spline (Outside glazed)	601VG201
Drill Fixture - Screw Spline (Inside glazed)	601VG203
Drill Fixture - Shear Block (For door frames)	601VG204

<b>SPLICE SLEEVES</b>	
Splice Sleeve ( 9" Long Silicone Sheet)	127178

<b>STRAP ANCHORS / SHIM BACKERS</b>			
	<b>NON-THERMAL</b>	<b>THERMAL</b>	<b>ULTRA-THERMAL</b>
Strap Anchor - 4" Long (For use with 601CG001/601CG003, 601TCG001/601TCG003 and 601UTCG001/601UTCG003)	601CG521	601TCG521	
Shim Backer - 6" Long (For use with 601CG001/601CG003, 601TCG001/601TCG003 and 601UTCG001/601UTCG003)	601CG216	601TCG216	601UTCG216
Split Mullion Anti-Buckling Clip	601VG342		

<b>SHEAR BLOCKS - ENTRANCE DOOR JAMB FRAMING</b>	
Head Member Shear Block Package (Outside glazed)	601CG528
Horizontal Member Shear Block Package (Outside glazed)	601CG526
Horizontal Member Shear Block Package (Inside glazed)	601CG525
Sill Member Shear Block Package	601CG524
Door Jamb Shear Block Package for Head Member Attachment (Inside glazed)	601VG523
Head / Sill Shear Block Package (Outside glazed)	601VG524
Door Jamb Shear Block Package for Horizontal Member Attachment (Outside/ Inside glazed)	601VG525



<b>SHEAR BLOCKS - ENTRANCE DOOR JAMB FRAMING</b>	
Transom Bar/Header Shear Block Package	451T402
Door jamb Shear Block Package (For Outside glazed Head attachment)	601VG561
Shear Block Package for Transom to Jamb attachment	601VG562
Shear Block Package for Transom to Mullion attachment	601VG563

<b>SHEAR BLOCKS - TRANSOM BARS /HEADERS</b>	
Transom Bar/Header Shear Block Package	601CG527
Single Acting Transom Bar Clip Package	450506
Offset Pivot C.O.C. Transom Bar/Header Shear Block Package	451548
Butt Hung C.O.C. Transom Bar/Header Shear Block Package	451549
Offset Pivot C.O.C. Transom Bar/Header Shear Block Package (601T and 601UT)	451T400
Butt Hung C.O.C. Transom bar/Header Shear Block Package (601T and 601UT)	451T401
Transom Bar/Header Shear Block Package (601T and 601UT)	451T402

<b>CLOSER BRACKETS</b>	
Offset Pivot/Butt Hung Closer Mounting Bracket Package	050761

<b>GLAZING ACCESSORIES</b>	
Water Deflector (9/16" wide)	450105
Water Deflector (1-5/16" wide)	451105
Rigid Plastic End Dam (For use with 601CG037 sill flashing)	601CG315
Aluminum End Dam (For use with 601CG037 sill flashing)	601CG316
Sill Flashing End Cap (At door jamb)	451165
Setting Block - EPDM 5/8" x 1-1/4" x 4-1/8" (For outside glazed sill)	027073
Setting Block - SILICONE 5/8" x 1-1/4" x 4-1/8" (For outside glazed sill)	027073-SI
Setting Block: 11/16" x 1-1/4" x 4-1/8" (For outside glazed horizontal and transom bar)	027080
Setting Block - EPDM 3/16" x 1-1/4" x 4-1/8" (For inside glazed horizontal)	027081
Setting Block - SILICONE 3/16" x 1-1/4" x 4-1/8" (For inside glazed horizontal)	027081-SI

<b>GLAZING ACCESSORIES</b>	
"W" Side Block (0.500")	480520
Vent Adaptor (For equal leg frames)	060888

<b>GASKETS / GLAZING ADAPTORS</b>	
Standard Push-on Gasket	027074
Light Push-on Gasket	027076
Heavy Push-on Gasket	027077
Expansion Mullion Weathering	027806
Snap-in Infill Adaptor (For 1/4" infill)	451VG029
Snap-in Infill Adaptor (For 5/8" infill)	451VG030

**NOTE**

Silicone lubricant applied to Push-on gaskets. Test compatibility with any specialty glass prior to glazing.

<b>MISCELLANEOUS</b>	
Stool Trim Clip Package	069271

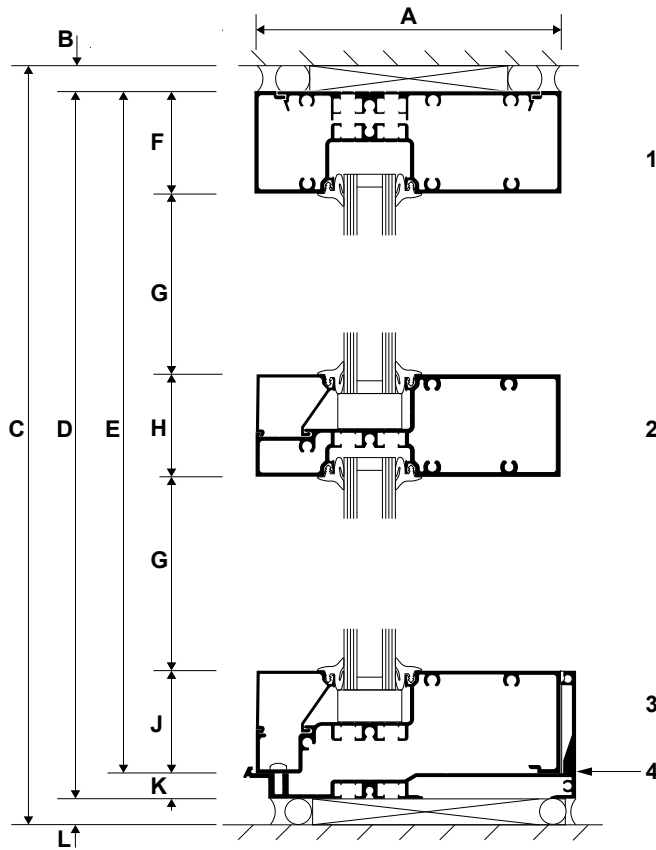
## Cut Formula Terms



### IMPORTANT

When using compensating head receptor or compensating head-jamb receptor combination, Frame Height (FH) and Frame Width (FW) vary from these diagrams. Refer to approved shop drawings.

Cut formulas throughout these instructions are given using the terms defined here:

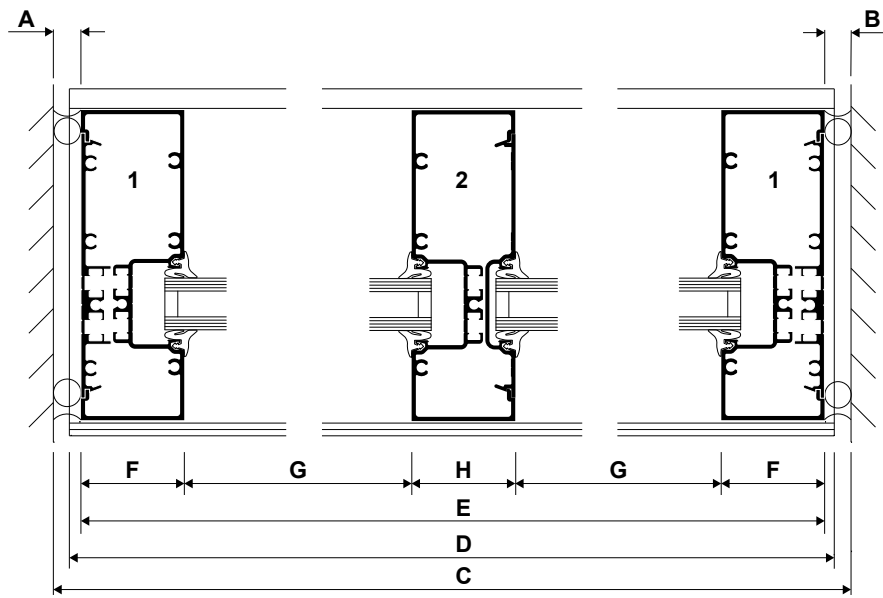


1	Head
2	Horizontal
3	Sill
4	Sill Flashing
A	System Depth
B	Shim Space at Head (SSH)
C	Opening Height Dimension (OD)
D	Frame Height (FH)
E	Mullion Height (MH)
F	Head Sightline
G	Vertical Daylight Opening (DLO <sub>V</sub> )
H	Horizontal Sightline
J	Sill Sightline
K	Sill Flashing Height (SFH)
L	Shim Space at Sill (SSS)



### NOTICE

Typical minimum shim space at head, sill, left, or right, is 3/8" (9.5).



1	Jamb
2	Mullion
A	Shim Space Left (SSL)
B	Shim Space Right (SSR)
C	Opening Width Dimension (OD)
D	Sill Flashing Length (SFL)
E	Frame Width (FW)
F	Jamb Sightline
G	Horizontal Daylight Opening (DLO <sub>H</sub> )
H	Mullion Sightline



**NOTICE**

Typical minimum shim space at head, sill, left, or right, is 3/8" (9.5).

## Formulas

Mullion Height:	$MH = OD - (SSH + SSS + SFH)$ ; or, $MH = FH - SFH$
Frame Height:	$FH = OD - (SSH + SSS)$
Frame Width:	$FW = OD - (SSL + SSR)$
Sill Flashing Length:	$SFL = OD - (SSL + SSR) + 1/4"$ ; or, $SFL = FW + 1/4"$
Door Jamb Height:	$L_{DOOR JAMB} = FH + SSS$



### NOTICE

- Approved shop drawings always take precedence over the formula shown.
- 3/8" (9.5) minimum perimeter shim space is required. For uncertain job conditions or irregular masonry openings, add extra clearance for construction tolerance.
- Sill Flashing Length (**SFL**) formula applies only to openings less than or equal to 24' (7.32 m). For openings greater than 24' (7.32 m), refer to approved shop drawings.

### Examples

#### IMPERIAL

$$MH = OD - (3/8" + 3/8" + 1/2"); \text{ or,}$$

$$MH = FH - 1-1/4"$$

$$FH = OD - (3/8" + 3/8")$$

$$SFL = OD - (3/8" + 3/8") + 1/4"; \text{ or,}$$

$$SFL = FW + 1/4"$$

$$L_{DOOR JAMB} = FH + 3/8"$$

#### METRIC

$$MH = OD - (9.5 \text{ mm} + 9.5 \text{ mm} + 12.7 \text{ mm}); \text{ or,}$$

$$MH = FH - 31.8 \text{ mm}$$

$$FH = OD - (9.5 \text{ mm} + 9.5 \text{ mm})$$

$$SFL = OD - (9.5 \text{ mm} + 9.5 \text{ mm}) + 6.4 \text{ mm}; \text{ or,}$$

$$SFL = FW + 6.4 \text{ mm}$$

$$L_{DOOR JAMB} = FH + 9.5 \text{ mm}$$

## Notes And Disclaimers

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