



C

WINDOW WALLS

- BG Systems
 - Top Notch Systems
 - OS-2 Systems
 - Accessory Hardware
-

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U.S. and Canada

GRL[®]
U.S. ALUMINUM

usalum.com



Medical Office Building
Whittier, CA

U.S. Aluminum offers Window Wall systems that are ideal for low to high-rise structures. Our BG System is designed for three types of configuration; two-sided structural silicone support, captured glazing or a combination of the two. A thermally broken version, the BT Series, is also available.

The Top Notch and OS-2 Systems offer a shallow face reveal to create a flush exterior appearance. These systems are designed for labor saving stacking type installations, and incorporate internal water deflectors to allow infiltrated water to be drained. Top Notch also offers a thermally broken version, the TT Series. Glazing options for all series are 1/4" (6) and 1" (25).

SYSTEM

PAGES

- **BG Systems**01-C1 thru 25-C1
- **Top Notch Systems**01-C2 thru 14-C2
- **OS-2 Systems**01-C3 thru 50-C3
- **Accessory Hardware**01-C4 thru 07-C4

For information or other assistance, use our toll free phone
or fax service numbers from anywhere in the U.S. or Canada

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Contact us through our web site at usalum.com

WINDOW WALLS

Specifications

SECTION 08 43 13 ALUMINUM FRAMED STOREFRONTS

BG Systems

- Series BG450
- Series BG520
- Series BG525
- Series BG600

SERIES	FACE WIDTH	DEPTH	GLAZING INFILLS	GLAZING METHOD
BG450	2-1/4" (57.2)	4-1/2" (114.3)	1/4" (6)	Exterior/Interior
BG520	2-1/4" (57.2)	5-1/4" (133.4)	1/4" (6)	Exterior/Interior
BG525	2-1/4" (57.2)	5-1/4" (133.4)	1" (25)	Exterior/Interior
BG600	2-1/4" (57.2)	6" (152.4)	1" (25)	Exterior/Interior

I. GENERAL DESCRIPTION

Work Included: Furnish all necessary materials, labor, and equipment for the complete installation of aluminum framing as shown on the drawings and specified herein. (*Specifier Note: It is suggested that related items such as aluminum entrance doors, glass, and sealants be included whenever possible.*)

Work Not Included: Structural support of the framing system, interior closures, and trim. (*Specifier list other exclusions*). Related Work Specified Elsewhere: (*Specifier list*).

QUALITY ASSURANCE

Drawings and specifications are based on the BG Series (*Specify*) Structural Silicone Glazed System as manufactured by U.S. Aluminum. Whenever substitute products are to be considered, supporting technical literature, samples, drawings, and performance data must be submitted 10 days prior to bid in order to make a valid comparison of the products involved. Test reports certified by an independent test laboratory must be made available upon request.

PERFORMANCE REQUIREMENTS

Air Infiltration: shall be tested in accordance with ASTM E 283. Infiltration shall not exceed .06 cfm per square foot (.0003m³/sm²) of fixed area when tested at 6.24 psf (300 Pa).

Water Infiltration: shall be tested in accordance with ASTM E 331. No water penetration at test pressure of 12 psf (574 Pa).

Structural Performance: shall be tested in accordance with ASTM E 330 and based on:

- Maximum deflection of L/175 of the span
- Allowable stress with a safety factor of 1.65

The system shall perform to this criteria under a windload of (*Specify*) psf. Stress on structural silicone should not exceed 20 psi (138 KPa).

Testing Procedures -

ASTM 283, E 331, and E 330 -

Laboratory performance testing.

AAMA 503-08 - Newly installed storefronts. AAMA 511-08 - Installed storefronts after six months.

II. PRODUCTS MATERIALS

Extrusions shall be 6063-T5 alloy and temper (ASTM B221 alloy T5 temper). Fasteners, where exposed, shall be aluminum, stainless steel or zinc plated steel in accordance with ASTM A 164. Perimeter anchors shall be aluminum or steel, providing the steel is properly isolated from the aluminum. Glazing gaskets shall be E.P.D.M. elastomeric extrusions.

FINISH

All exposed framing surfaces shall be free of scratches and other serious blemishes. Aluminum extrusions shall be given a caustic etch followed by an anodic oxide treatment to obtain...

(*Specify one of the following*):

___ #11 Clear anodic coating

___ #22 Dark Bronze anodic coating

___ #33 Black anodic coating

A Fluoropolymer paint coating conforming with the requirements of AAMA 2605. Color shall be (*Specify a U.S. Aluminum standard color*).

FABRICATION

The framing system shall provide

continuous head and sill channels spliced together with extruded aluminum sleeves as required for thermal expansion. The sill member shall provide a continuous gutter for exterior weepage through elongated baffled weep holes. Back portion of sill channel should provide a dry gutter for fastening to structure. Sealing of fasteners is not required. Vertical mullions shall be stacked into head and sill channels without mechanical fastening to provide for metal expansion and building deflection. System shall provide for transition glazing from 1" (25) to 1/4" (6) with glass remaining in same exterior plane. Reusable twist-in temporary plastic glass retainers should be used during structural silicone curing period. Overall depth shall be a nominal dimension of (*Specify*). Horizontal members shall be 2-1/4" (57.2) high.

III. EXECUTION INSTALLATION

All glass framing shall be set in correct locations as shown in the details and shall be level, square, plumb, and in alignment with other work in accordance with the manufacturer's installation instructions and approved shop drawings. All joints between framing and the building structure shall be sealed in order to secure a watertight installation.

PROTECTION AND CLEANING

After installation the General Contractor shall adequately protect exposed portions of aluminum surfaces from damage by grinding and polishing compounds, plaster, lime, acid, cement or other contaminants. The General Contractor shall be responsible for final cleaning.

Specifications

Thermal BT Systems

- Series BT525
- Series BT600

SECTION 08 43 13 ALUMINUM FRAMED STOREFRONTS

SERIES	FACE WIDTH	DEPTH	GLAZING INFILLS	GLAZING METHOD
BT525	2-1/4" (57.2)	5-1/4" (133.4)	1" (25)	Exterior/Interior
BT600	2-1/4" (57.2)	6" (152.4)	1" (25)	Exterior/Interior

I. GENERAL DESCRIPTION

Work Included: Furnish all necessary materials, labor, and equipment for the complete installation of aluminum framing as shown on the drawings and specified herein. (*Specifier Note: It is suggested that related items such as aluminum entrance doors, glass, and sealants be included whenever possible.*)

Work Not Included: Structural support of the framing system, interior closures, and trim. (*Specifier list other exclusions*). Related Work Specified Elsewhere: (*Specifier list*).

QUALITY ASSURANCE

Drawings and specifications are based on the BT Series (*Specify*) Thermal Structural Silicone Glazed System as manufactured by U.S. Aluminum. Whenever substitute products are to be considered, supporting technical literature, samples, drawings, and performance data must be submitted 10 days prior to bid in order to make a valid comparison of the products involved. Test reports certified by an independent test laboratory must be made available upon request.

PERFORMANCE REQUIREMENTS

Air Infiltration: shall be tested in accordance with ASTM E 283. Infiltration shall not exceed .06 cfm per square foot (.0003m³/sm²) of fixed area when tested at 6.24 psf (300 Pa).

Water Infiltration: shall be tested in accordance with ASTM E 331. No water penetration at test pressure of 12 psf (574 Pa).

Structural Performance: shall be tested in accordance with ASTM E 330 and based on:

- Maximum deflection of L/175 of the span
- Allowable stress with a safety factor of 1.65

The system shall perform to this criteria under a windload of (*Specify*) psf. Stress on structural silicone should not exceed 20 psi (138 KPa). Thermal Performance - Series BT525/ BT600 shall be tested in accordance with AAMA 1503.1-88. Testing Procedures - ASTM 283, E 331, and E 330 - Laboratory performance testing. AAMA 503-08 - Newly installed storefronts. AAMA 511-08 - Installed storefronts after six months.

II. PRODUCTS MATERIALS

Extrusions shall be 6063-T5 alloy and temper (ASTM B221 alloy T5 temper), thermally broken by a two part chemically cured high density polyurethane. To ensure that composite strength remains unaltered during thermal cycling, a mechanical bond between the aluminum and the thermal filling shall be created by mechanically abrading the extrusion thermal cavity prior to filling with the polyurethane polymer. Fasteners, where exposed, shall be aluminum, stainless steel or zinc plated steel in accordance with ASTM A 164. Perimeter anchors shall be aluminum or steel, providing the steel is properly isolated from the aluminum. Glazing gaskets shall be E.P.D.M. elastomeric extrusions.

FINISH

All exposed framing surfaces shall be free of scratches and other serious blemishes. Aluminum extrusions shall be given a caustic etch followed by an anodic oxide treatment to obtain... (*Specify one of the following*):

- _____ #11 Clear anodic coating
- _____ #22 Dark Bronze anodic coating
- _____ #33 Black anodic coating
- A Fluoropolymer paint coating

conforming with the requirements of AAMA 2605. Color shall be (*Specify a U.S. Aluminum standard color*).

FABRICATION

The framing system shall provide continuous head and sill channels spliced together with extruded aluminum sleeves as required for thermal expansion. The sill member shall provide a continuous gutter for exterior weepage through elongated baffled weep holes. Back portion of sill channel should provide a dry gutter for fastening to structure. Sealing of fasteners is not required. Vertical mullions shall be stacked into head and sill channels without mechanical fastening to provide for metal expansion and building deflection. System shall provide for transition glazing from 1" (25) to 1/4" (6) with glass remaining in same exterior plane. Overall depth shall be a nominal dimension of (*Specify*). Horizontal members shall be 2-1/4" (57.2) high.

III. EXECUTION INSTALLATION

All glass framing shall be set in correct locations as shown in the details and shall be level, square, plumb, and in alignment with other work in accordance with the manufacturer's installation instructions and approved shop drawings. All joints between framing and the building structure shall be sealed in order to secure a watertight installation.

PROTECTION AND CLEANING

After installation the General Contractor shall adequately protect exposed portions of aluminum surfaces from damage by grinding and polishing compounds, plaster, lime, acid, cement, or other contaminants. The General Contractor shall be responsible for final cleaning.

WINDOW WALLS

Technical Data

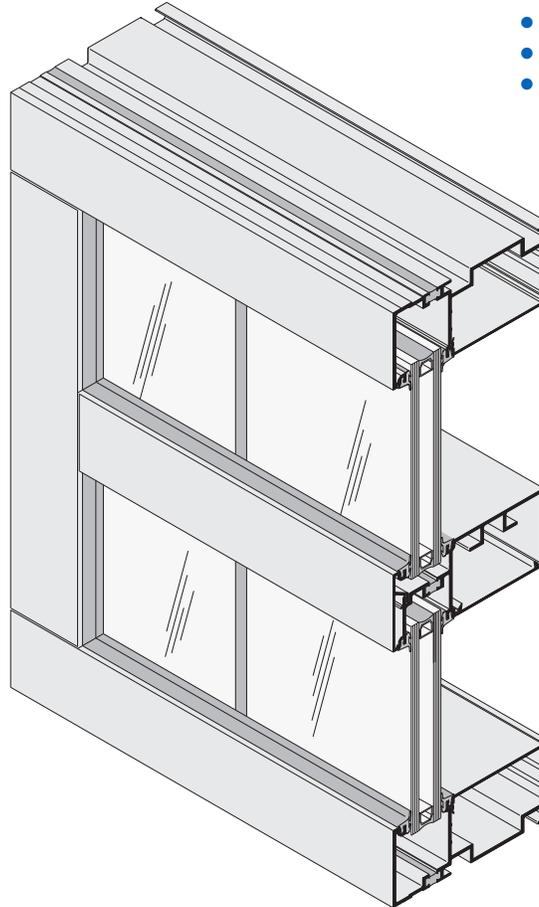
BG and BT Systems

- Series BG450
- Series BG520
- Series BG525
- Series BT525
- Series BG600
- Series BT600

BG Systems are ideal for a low to mid-rise structural silicone glazed fixed horizontal ribbon window. These systems were designed for three types of configuration: two-sided structural silicone support; captured glazing; a combination of these two configurations.

Designed for stacking installation, these systems may be glazed from the interior or exterior. BT (Thermal) Series features the Poly-Aluminizer™ Thermal Break Technology as described on page 44-B1.

Dual or two-tone colors can be achieved by specifying different finishes for the optional exterior face covers and interior mullions.



SERIES	WIDTH	HEAD/SILL DEPTH	GLAZING INFILLS	APPLICATION
BG450	2-1/4" (57.2)	4-1/2" (114.3)	1/4" (6)	Low to Mid-Rise Fixed Horizontal Ribbon Windows.
BG520	2-1/4" (57.2)	5-1/4" (133.4)	1/4" (6)	
BT525	2-1/4" (57.2)	5-1/4" (133.4)	1" (25)	
BG525	2-1/4" (57.2)	5-1/4" (133.4)	1" (25)	
BG600	2-1/4" (57.2)	6" (152.4)	1" (25)	
BT600	2-1/4" (57.2)	6" (152.4)	1" (25)	

GLASS SIZES*

Glass Width = Daylight Opening + Glass Bites (See details)

Glass Height = Daylight Opening + 7/8" (22.2)

* This formula does not take into account glass tolerances. Consult glass manufacturer before ordering glass.

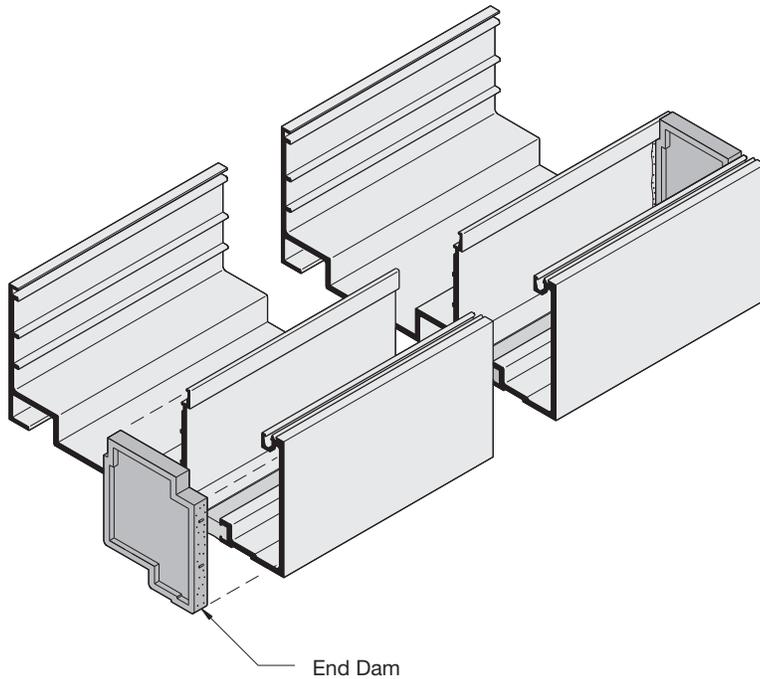
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WINDOW WALLS

Special Features

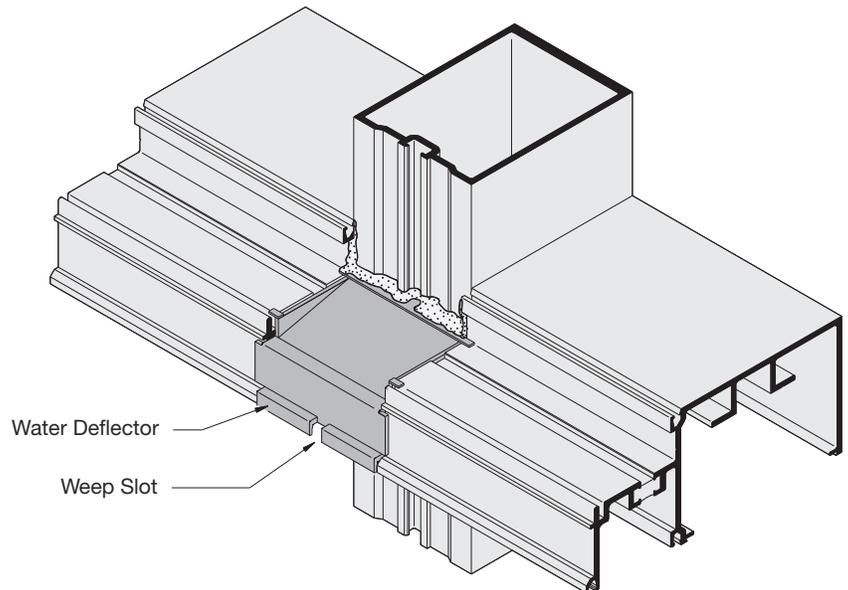
BG and BT Systems

- Series BG450
- Series BG520
- Series BG525
- Series BT525
- Series BG600
- Series BT600

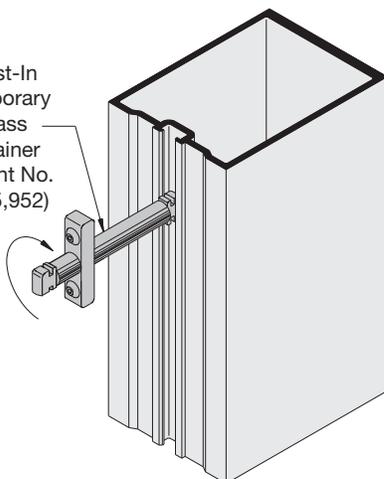


The sill channel provides a continuous gutter for exterior weepage through elongated baffled weep holes. Injection Molded End Dams are provided for sealing the gutter ends. Back portion of the channel remains dry where sill is anchored to the structure. Sill is shown. Head is similar.

A uniquely designed Injection Molded Water Deflector is used for weeping infiltrated water to the exterior at the intersection of the intermediate horizontal and vertical mullions. The Contoured Water Deflector allows for an uninterrupted gasket seal at the intersection of intermediate horizontal and vertical mullions.



Twist-In
 Temporary
 Glass
 Retainer
 (Patent No.
 D295,952)



Reusable Twist-In Temporary Glass Retainers hold the glass in place during the structural silicone curing period. The plastic retainer is designed to work for both 1" (25) and 1/4" (6) infills.

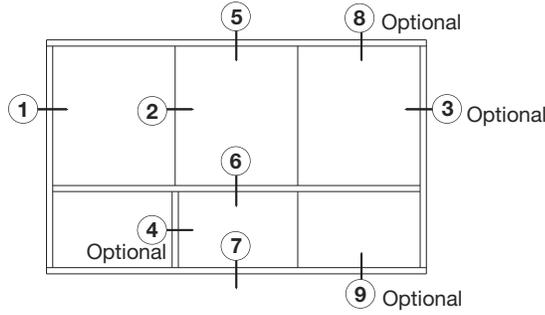
WINDOW WALLS

Typical Details

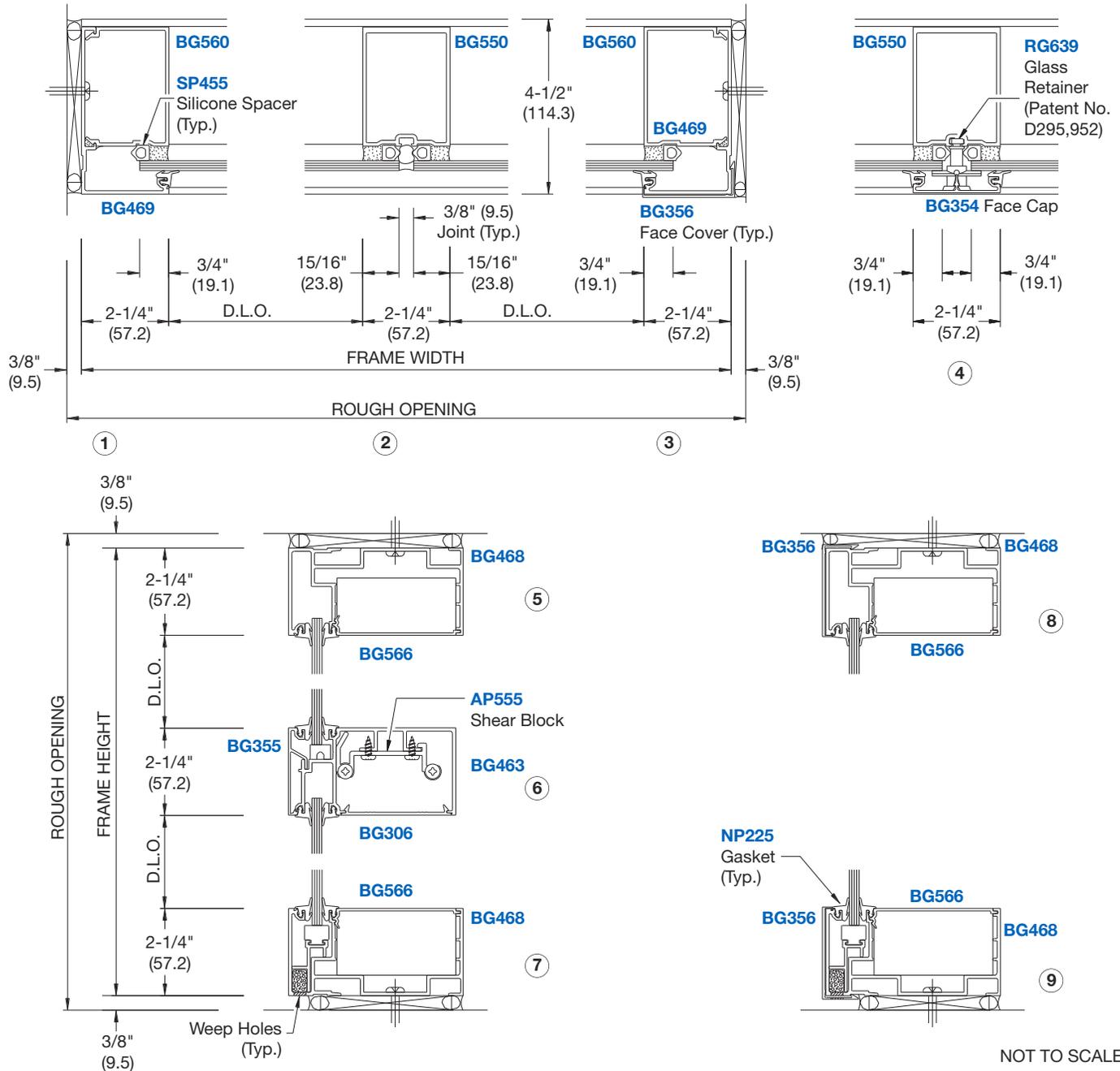
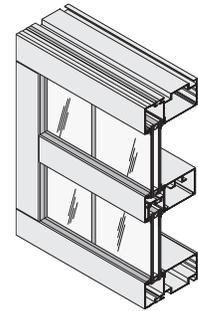
BG Systems • Series BG450

FOR 1/4" (6) GLAZING

NOTE: Part numbers shown are available in 24' (7.3 m) stock lengths. Visit usalum.com for more information.



TYPICAL ELEVATION



NOT TO SCALE

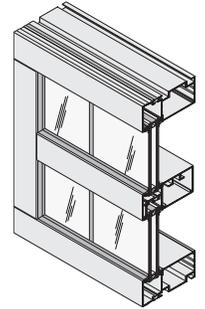
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Typical Details

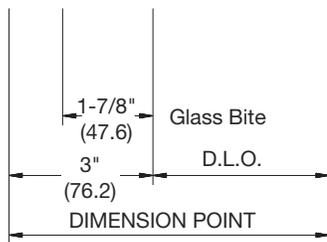
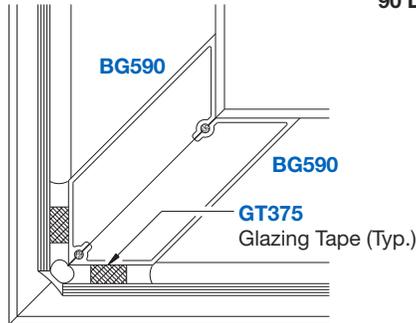
BG Systems
 • Series BG450

CORNER CONDITIONS FOR 1/4" (6) GLAZING

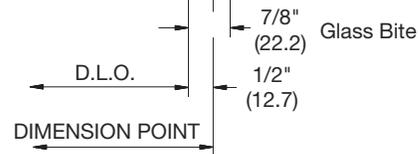
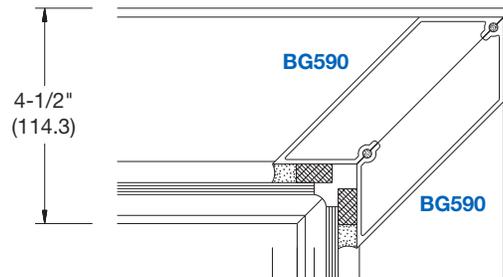
NOTE: Part numbers shown are available in 24' (7.3 m) stock lengths. Visit usalum.com for more information.



90 DEGREE CORNERS

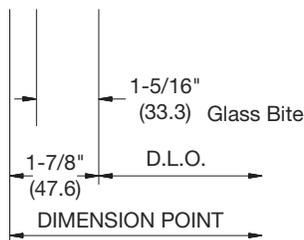
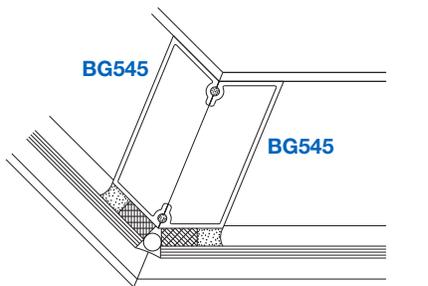


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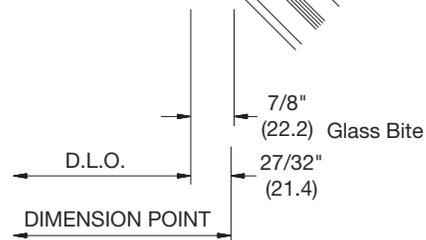
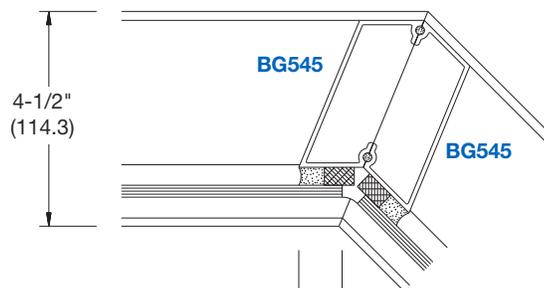


Inside Corner

135 DEGREE CORNERS



Outside Corner



Inside Corner

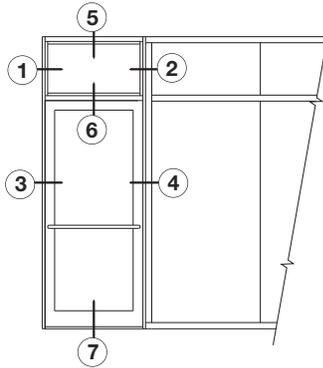
WINDOW WALLS

Typical Details

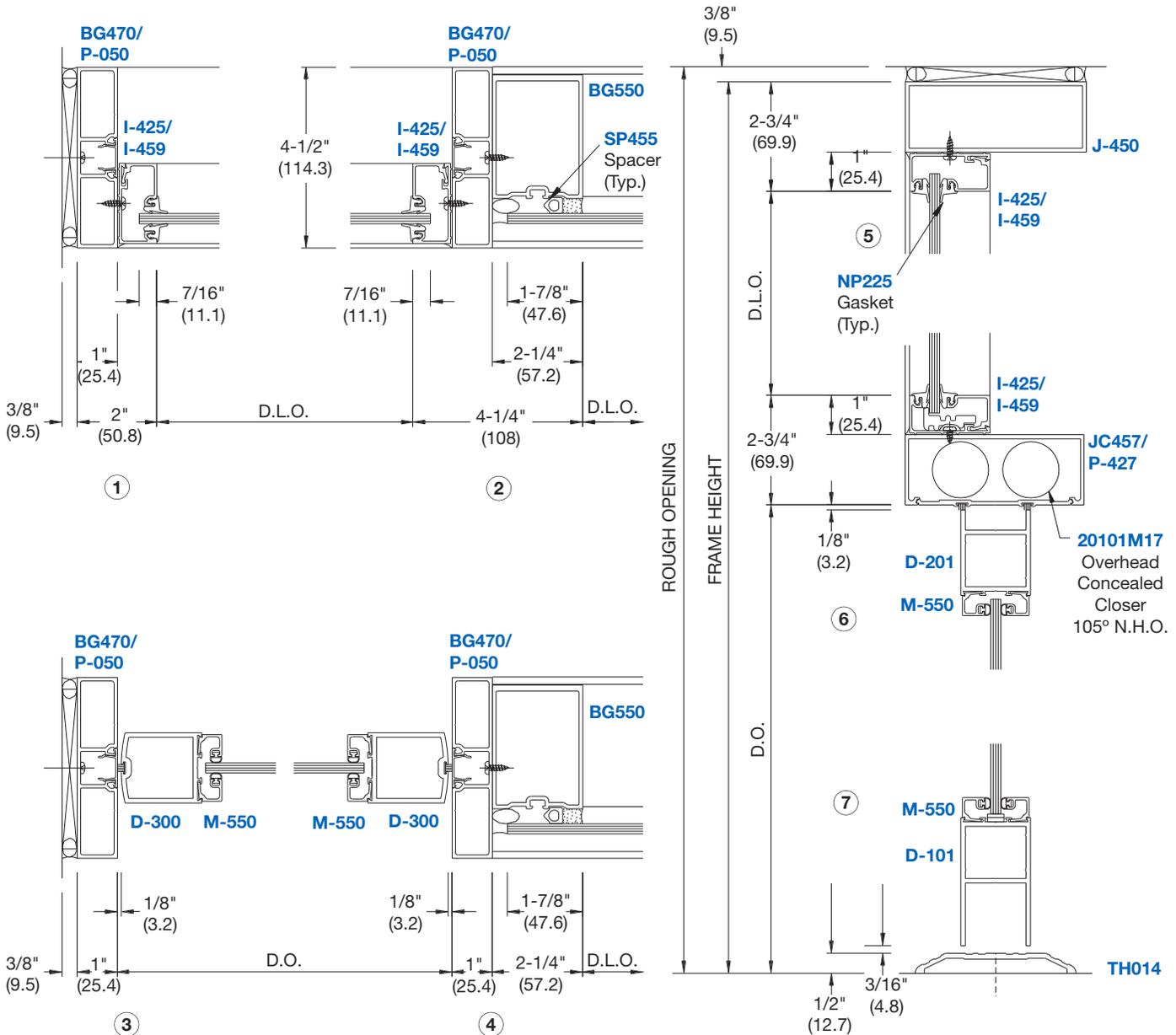
BG Systems
• Series BG450

DOOR FRAMING

NOTE: Doors are available in stock to accommodate 36" x 84" (914 x 2134) and 72" x 84" (1829 x 2134) door openings. Visit usalum.com for more information.



CENTER HUNG DOOR



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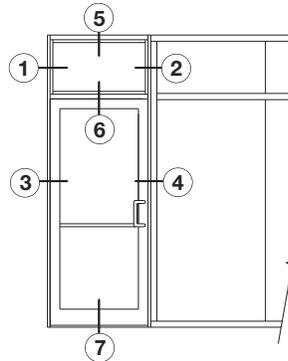
WINDOW WALLS

Typical Details

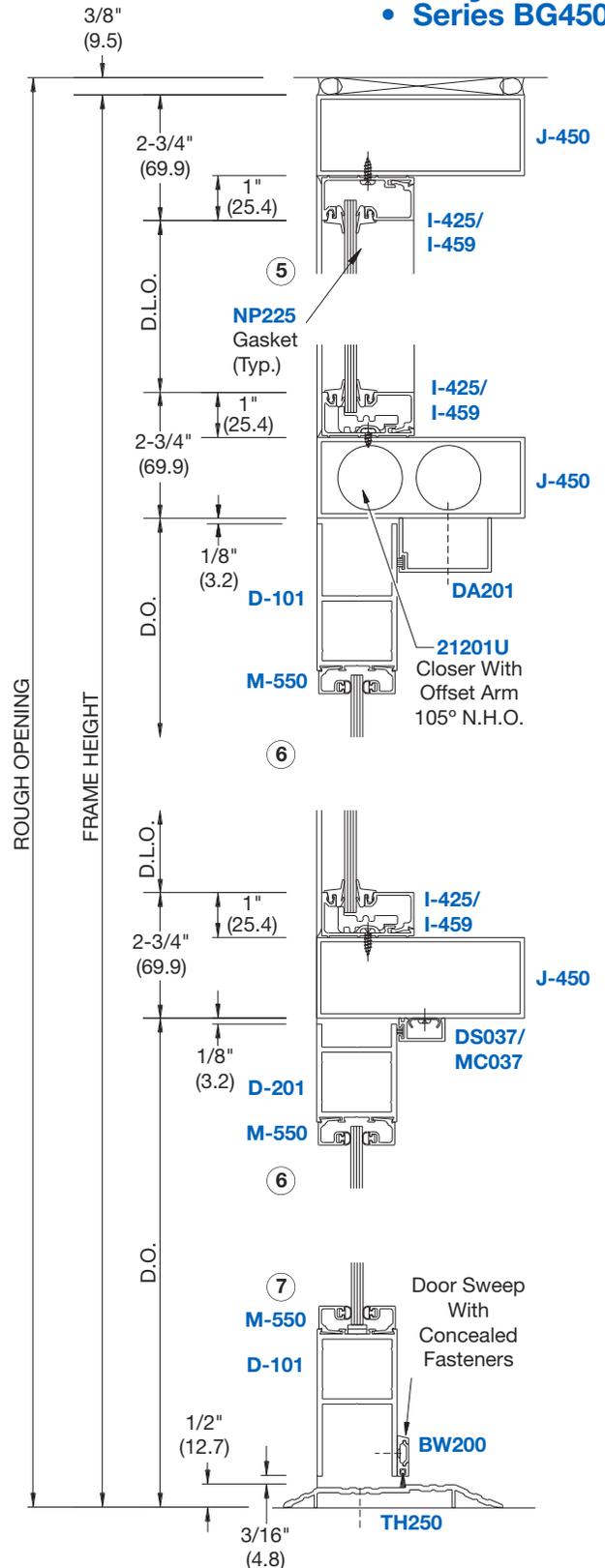
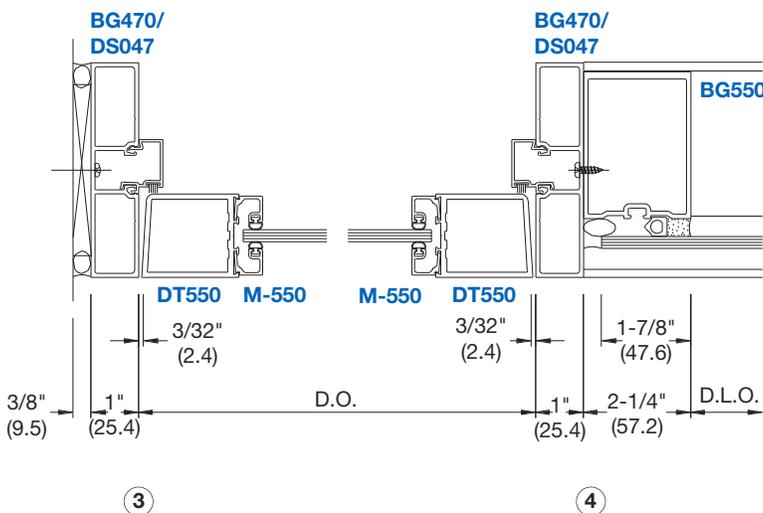
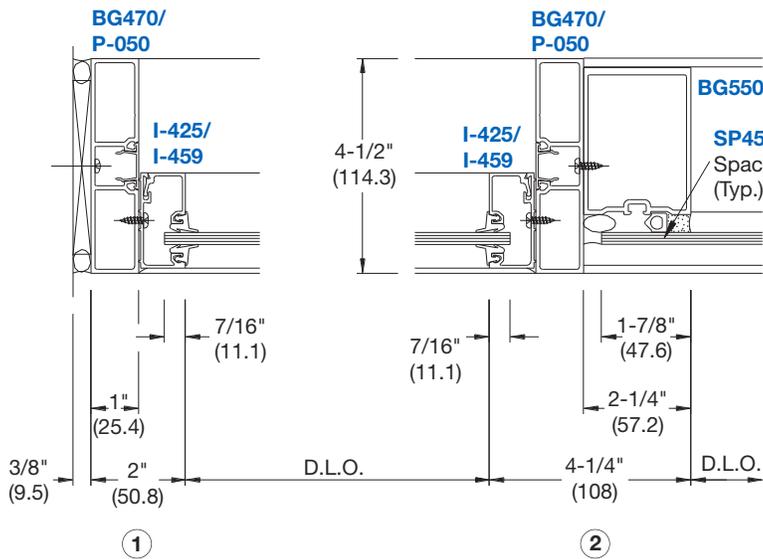
BG Systems
• Series BG450

DOOR FRAMING

NOTE: Doors are available in stock to accommodate 36" x 84" (914 x 2134) and 72" x 84" (1829 x 2134) door openings. Visit usalum.com for more information.



OFFSET HUNG DOOR



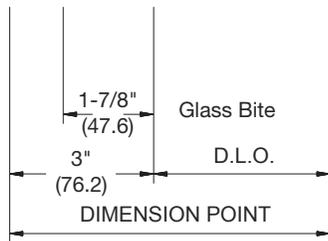
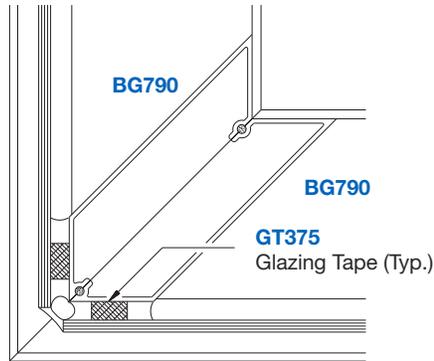
Typical Details

BG Systems
• Series BG520

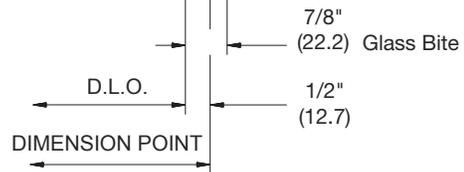
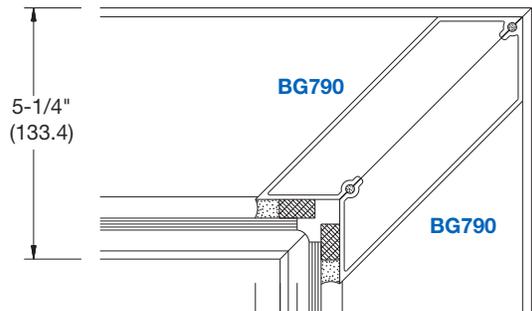
**CORNER CONDITIONS
FOR 1/4" (6) GLAZING**

NOTE: Part numbers shown are available in 24' (7.3 m) stock lengths. Visit usalum.com for more information.

90 DEGREE CORNERS

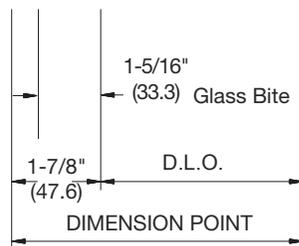
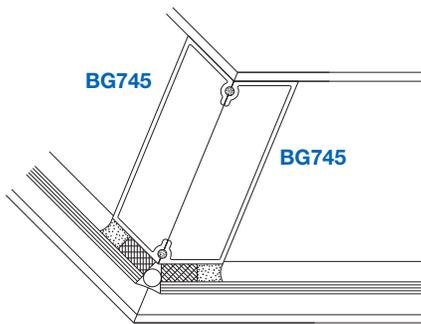


Outside Corner

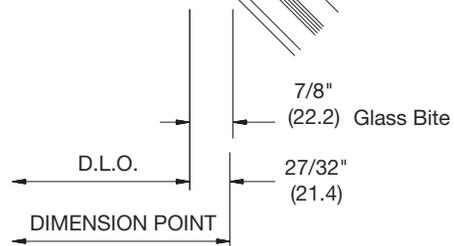
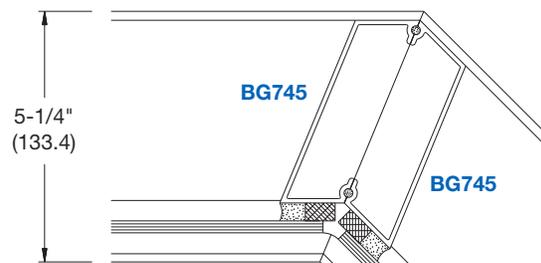


Inside Corner

135 DEGREE CORNERS



Outside Corner



Inside Corner

NOT TO SCALE

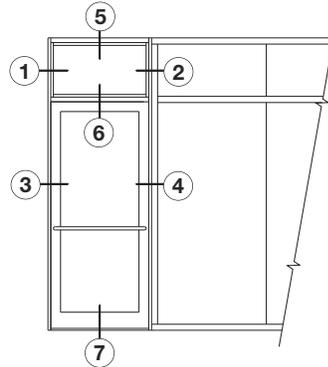
WINDOW WALLS

Typical Details

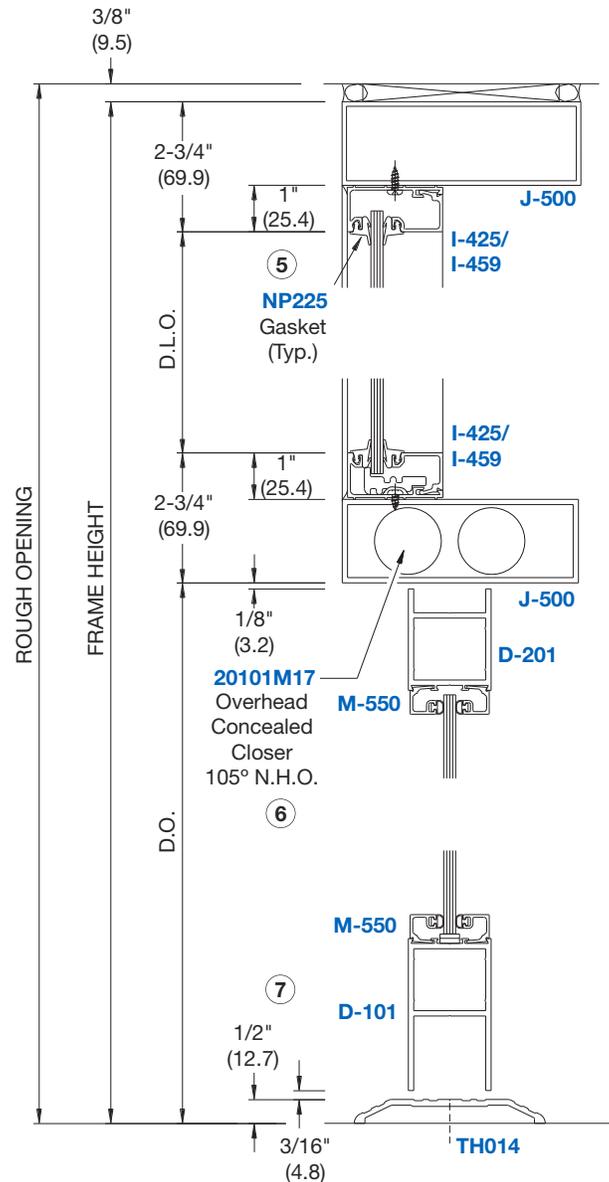
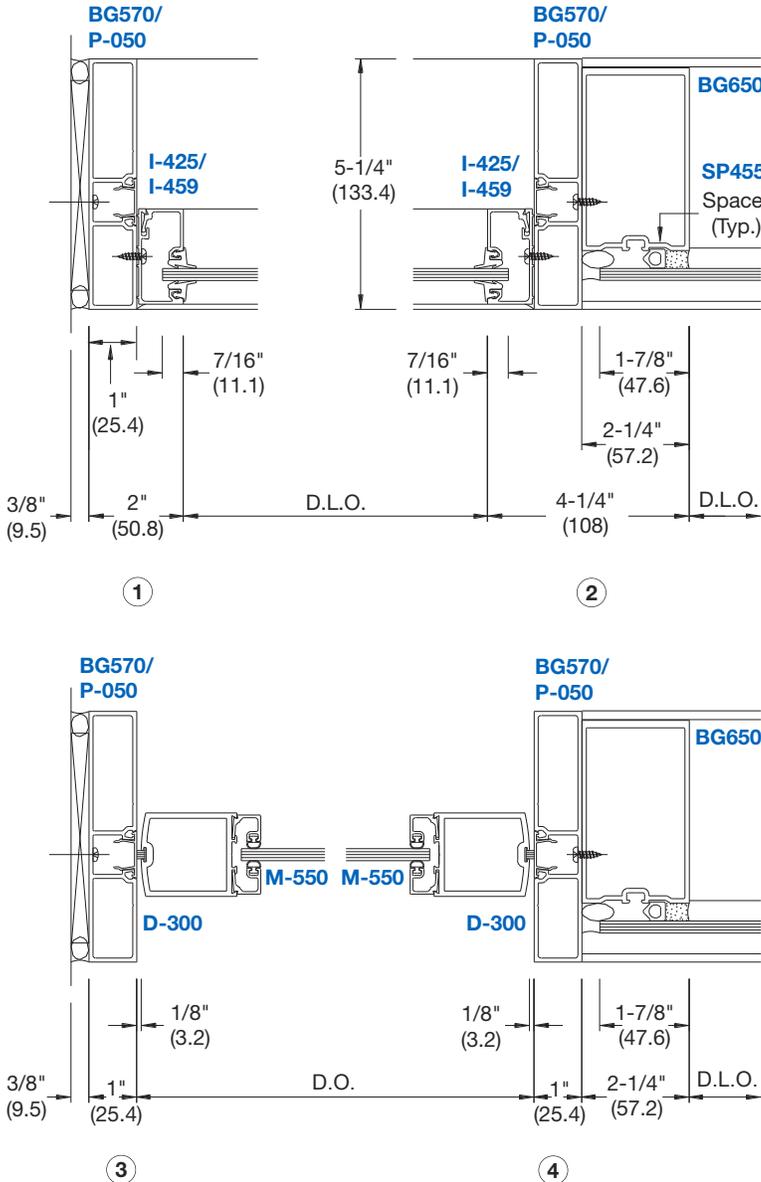
BG Systems
• Series BG520

DOOR FRAMING

NOTE: Doors are available in stock to accommodate 36" x 84" (914 x 2134) and 72" x 84" (1829 x 2134) door openings. Visit usalum.com for more information.



CENTER HUNG DOOR



NOT TO SCALE

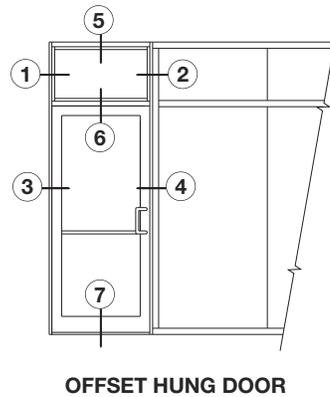
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WINDOW WALLS

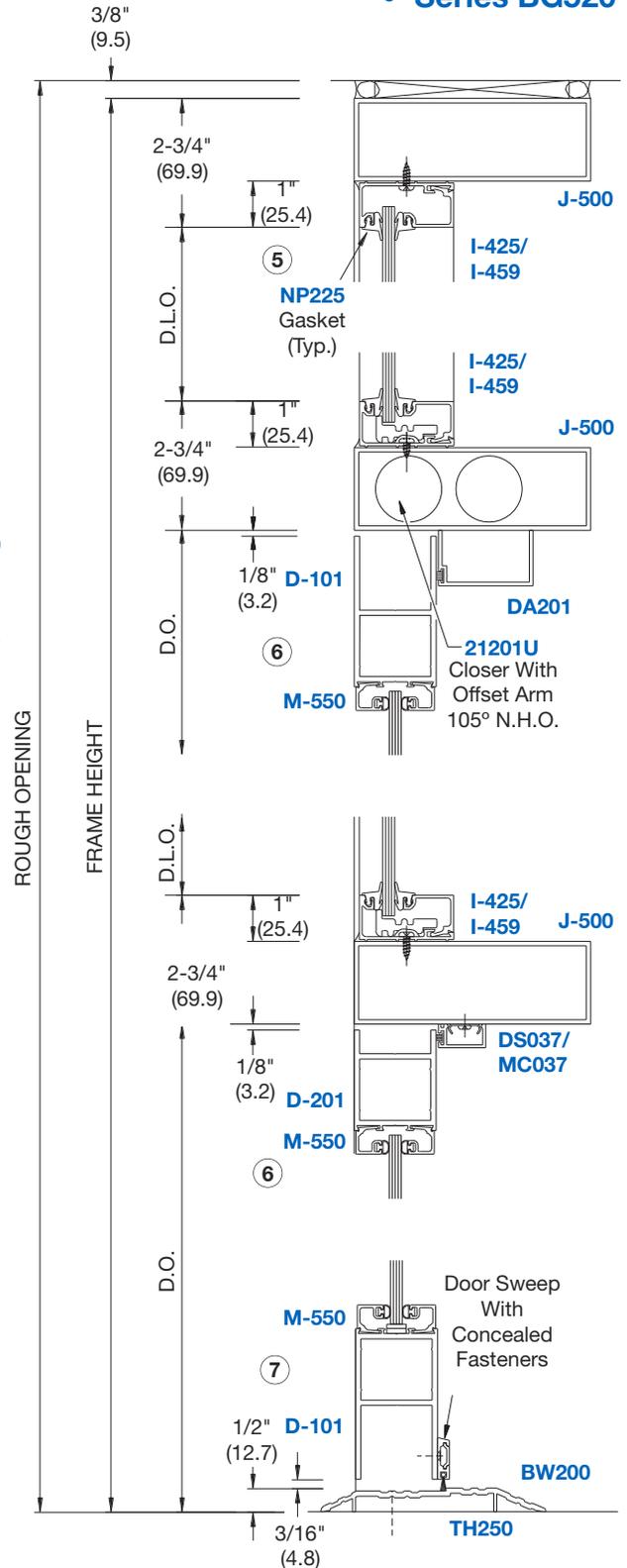
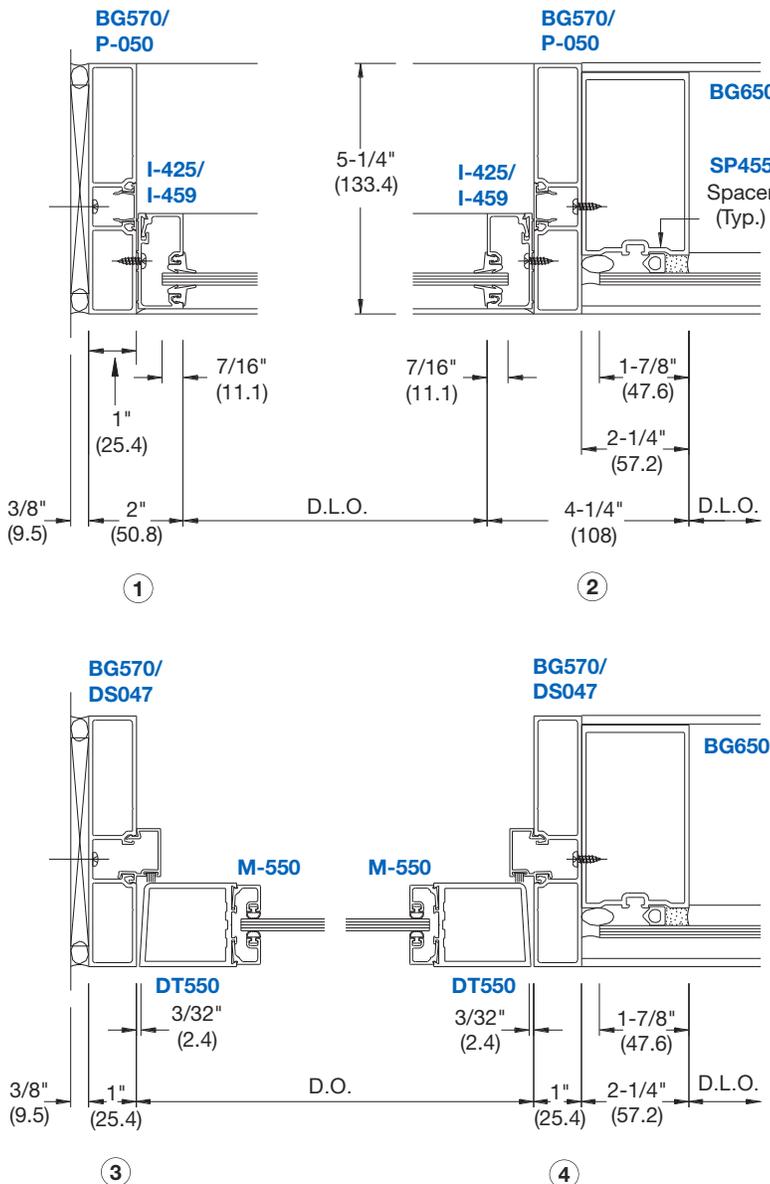
Typical Details

DOOR FRAMING

NOTE: Doors are available in stock to accommodate 36" x 84" (914 x 2134) and 72" x 84" (1829 x 2134) door openings. Visit usalum.com for more information.



BG Systems
• Series BG520



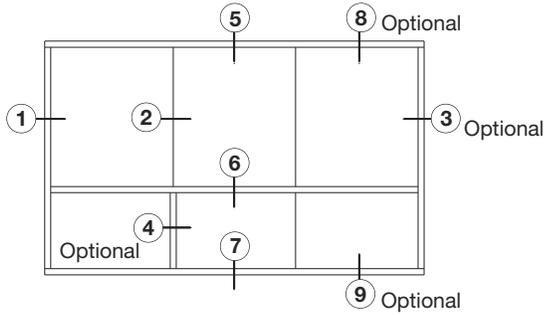
NOT TO SCALE

WINDOW WALLS

Typical Details

FOR 1" (25) GLAZING

NOTE: Part numbers shown are available in 24' (7.3 m) stock lengths. Visit usalum.com for more information.



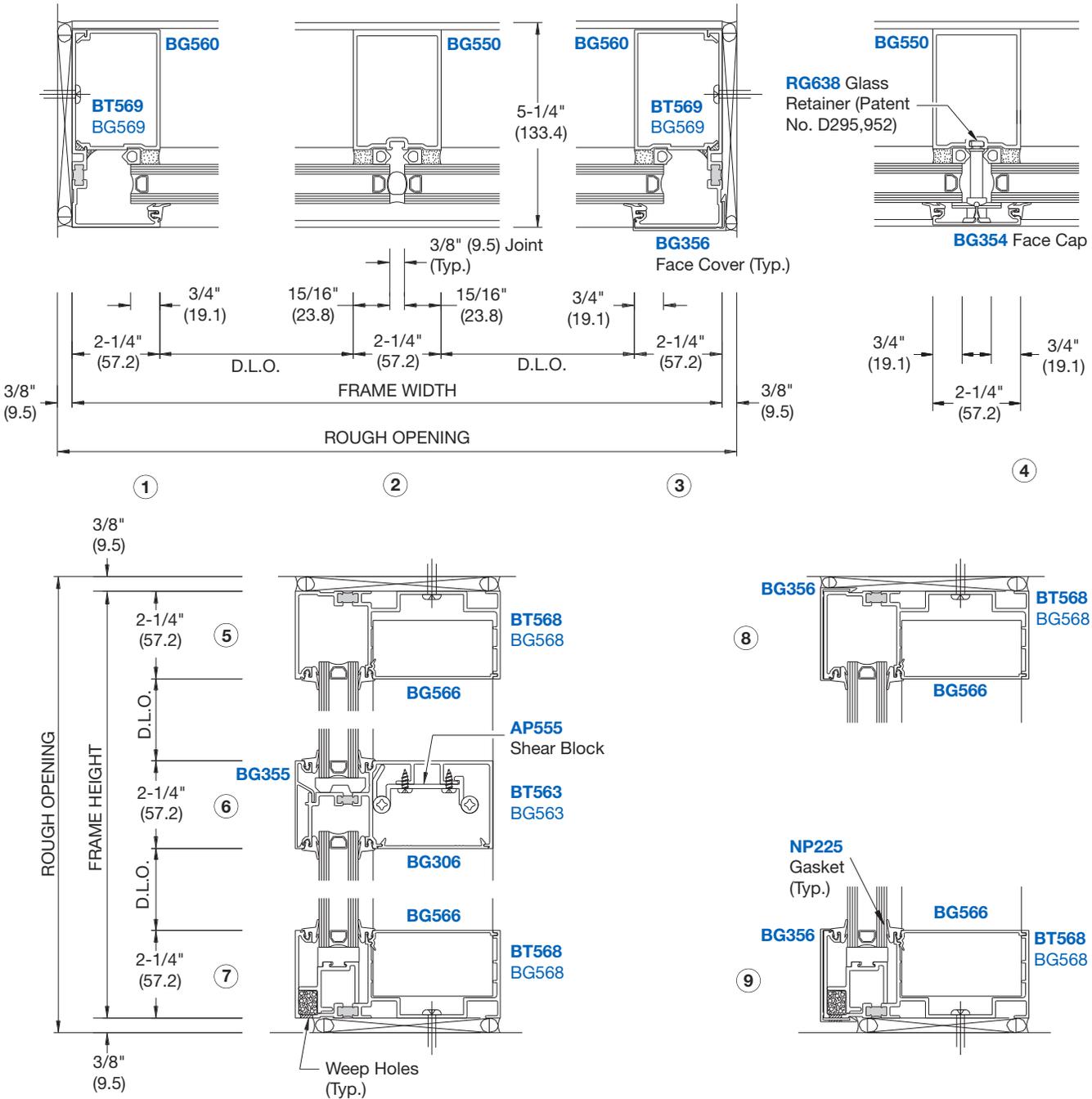
TYPICAL ELEVATION

BG Systems

- Series BT525
- Series BG525

B	T	5	6	9
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Part Number prefix ending in "T" represents THERMALLY BROKEN parts. Thermal parts are in **BOLD** print. Series **BT525** details are typically shown.



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WINDOW WALLS

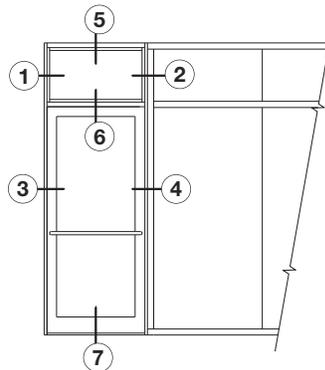
Typical Details

BG and BT Systems

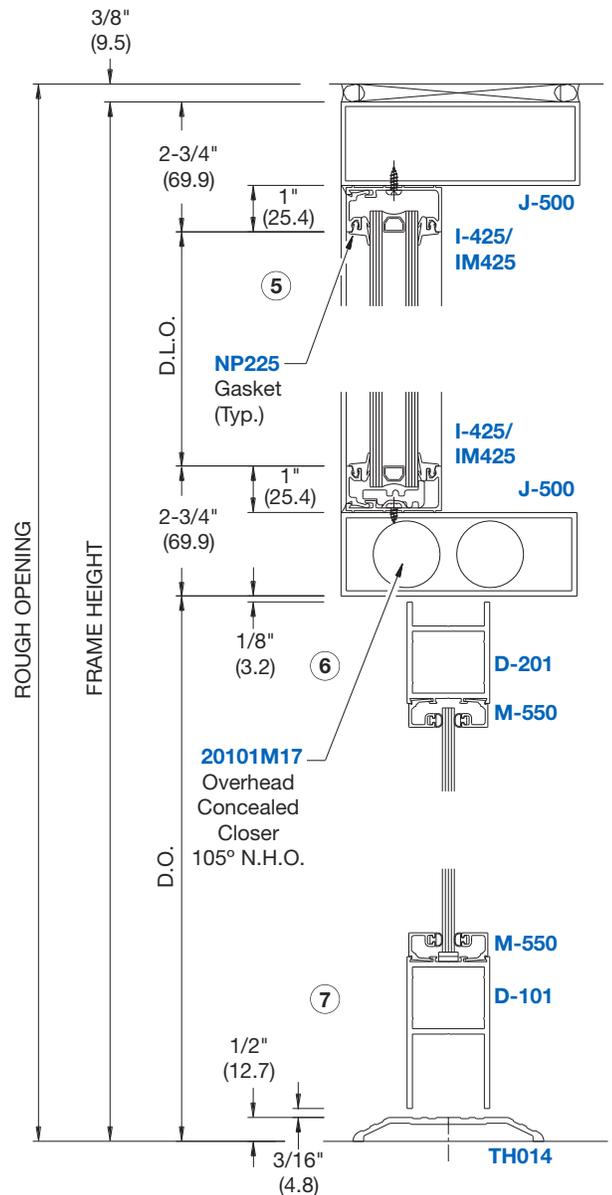
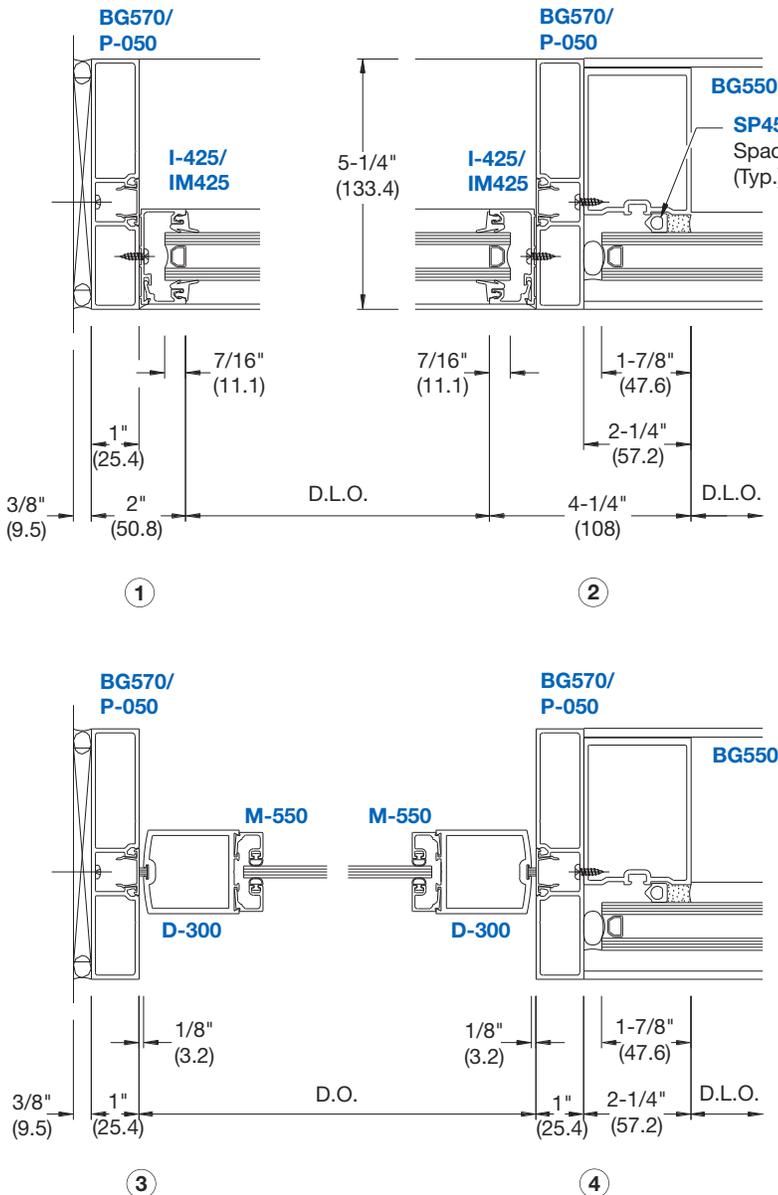
- Series BT525
- Series BG525

DOOR FRAMING

NOTE: Doors are available in stock to accommodate 36" x 84" (914 x 2134) and 72" x 84" (1829 x 2134) door openings. Visit usalum.com for more information.



CENTER HUNG DOOR



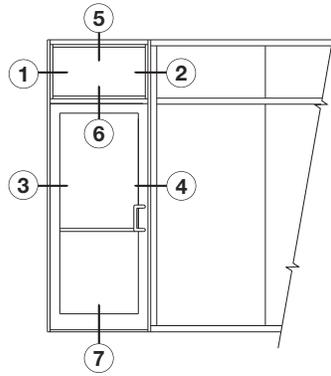
NOT TO SCALE

WINDOW WALLS

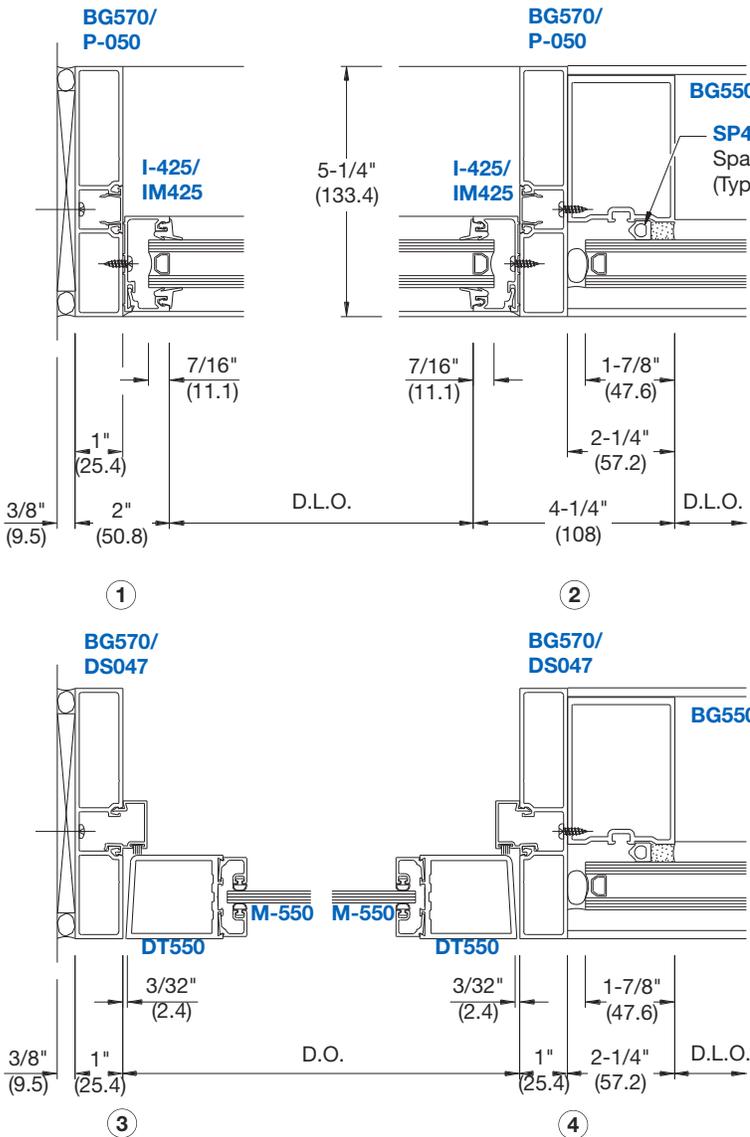
Typical Details

DOOR FRAMING

NOTE: Doors are available in stock to accommodate 36" x 84" (914 x 2134) and 72" x 84" (1829 x 2134) door openings. Visit usalum.com for more information.



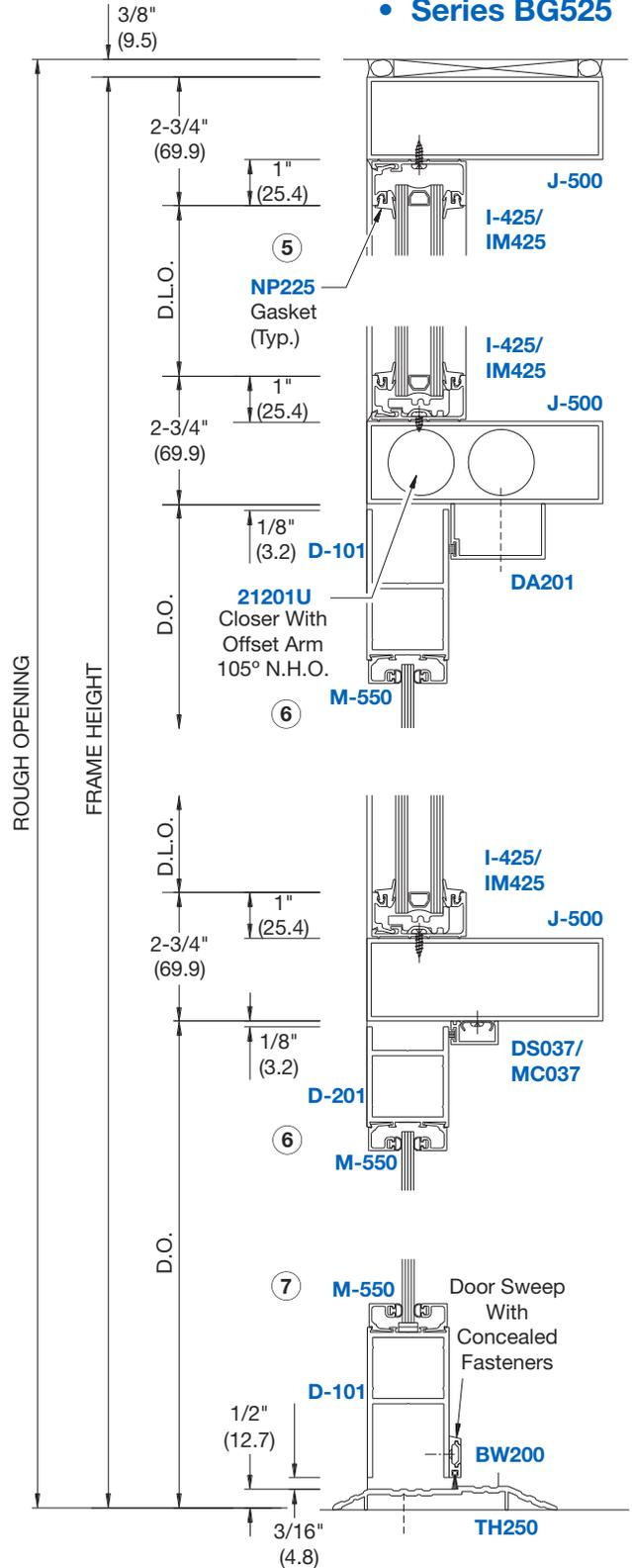
OFFSET HUNG DOOR



NOT TO SCALE

BG and BT Systems

- Series BT525
- Series BG525



WINDOW WALLS

Typical Details

FOR 1" (25) GLAZING

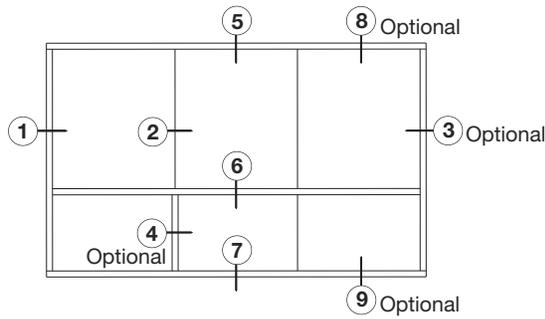
NOTE: Part numbers shown are available in 24' (7.3 m) stock lengths. Visit usalum.com for more information.

BG and BT Systems

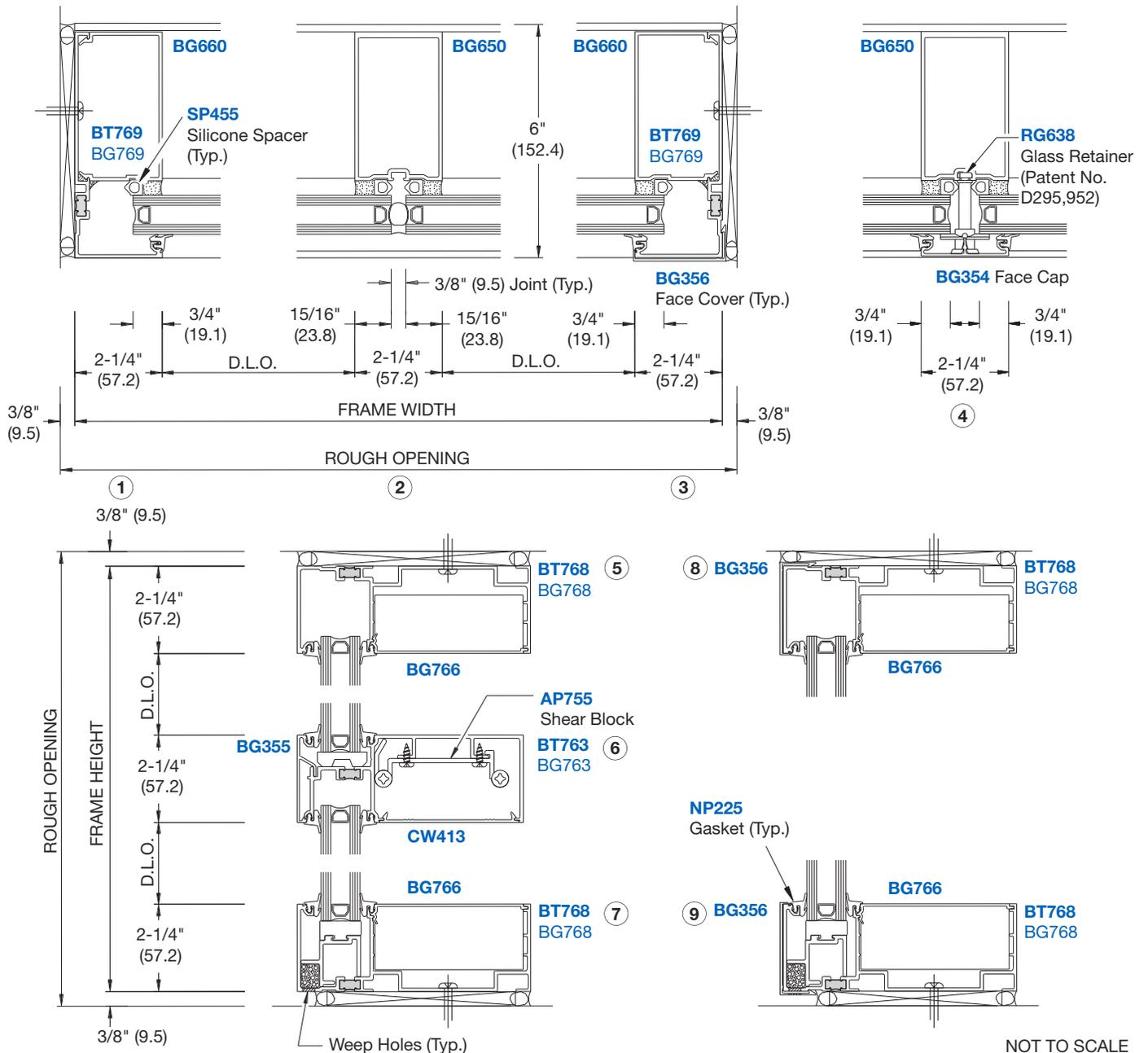
- Series BT600
- Series BG600

B	T	7	6	9
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Part Number prefix ending in "T" represents THERMALLY BROKEN parts. Thermal parts are in **bold print**. Series **BT600** details are typically shown.



ELEVATION



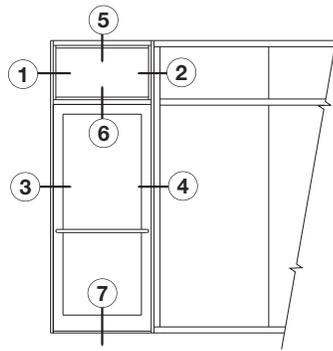
NOT TO SCALE

WINDOW WALLS

Typical Details

DOOR FRAMING

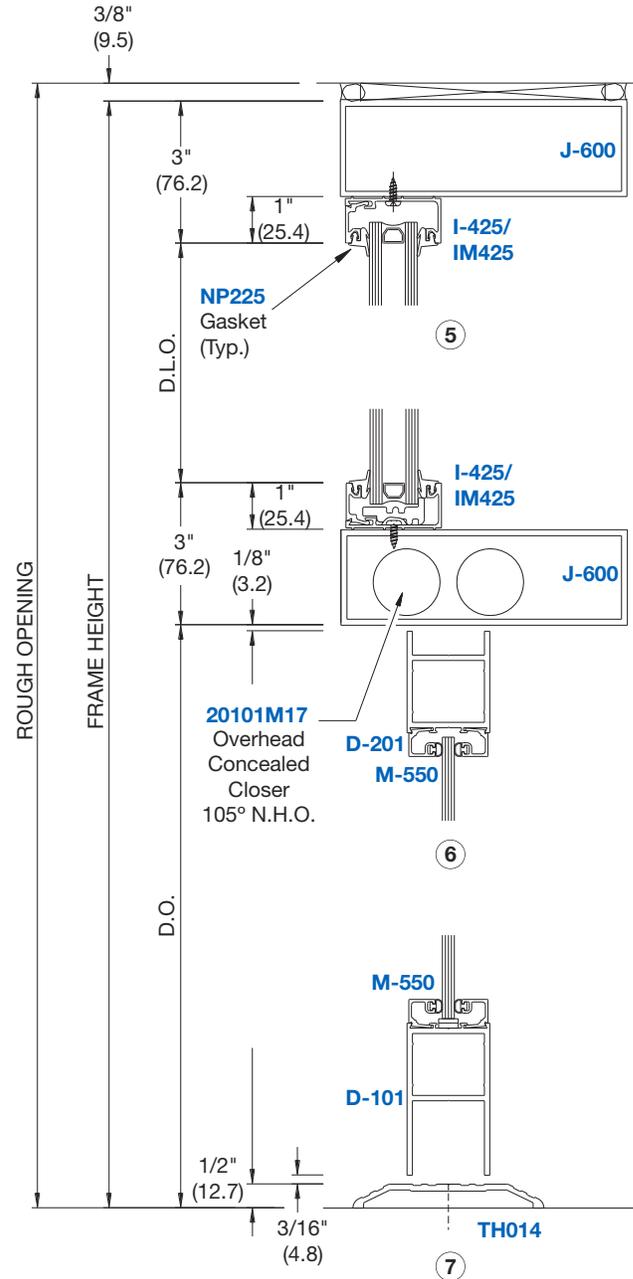
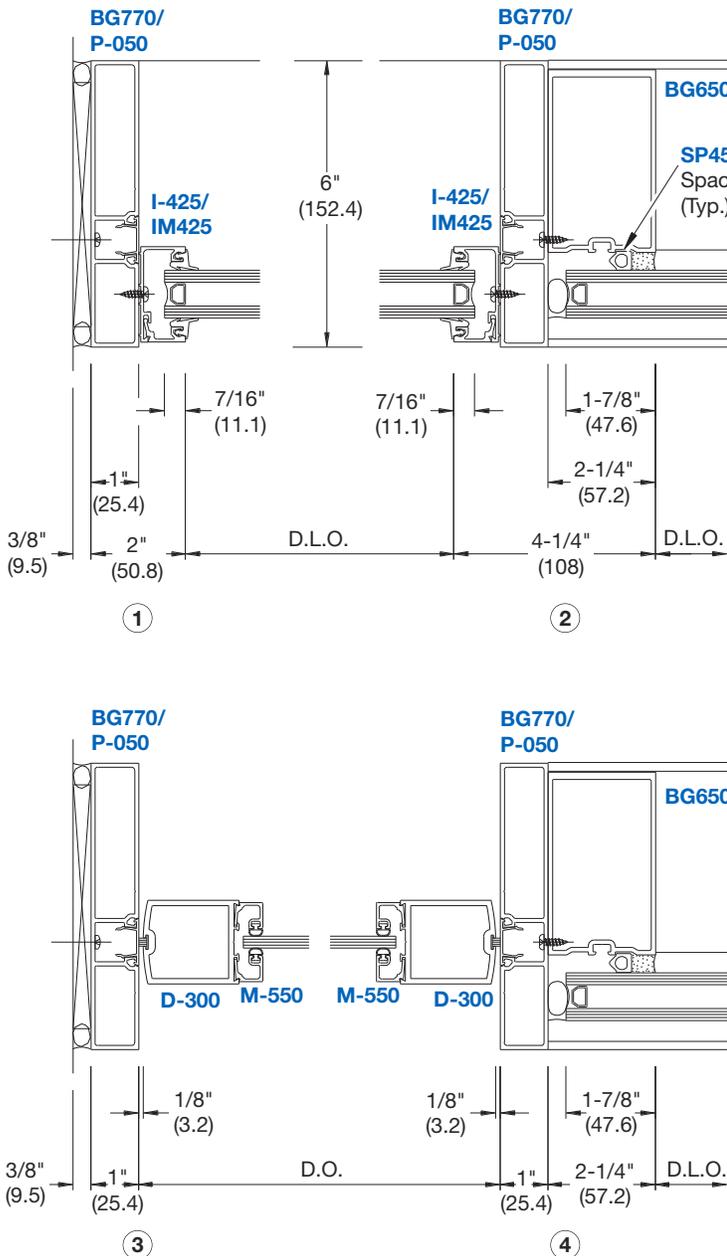
NOTE: Doors are available in stock to accommodate 36" x 84" (914 x 2134) and 72" x 84" (1829 x 2134) door openings. Visit usalum.com for more information.



CENTER HUNG DOOR

BG and BT Systems

- Series BT600
- Series BG600



NOT TO SCALE

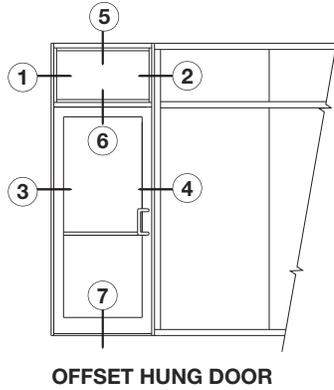
Online usalum.com By Phone (800) 262-5151
 Online crlaurence.com By Phone (800) 421-6144

WINDOW WALLS

Typical Details

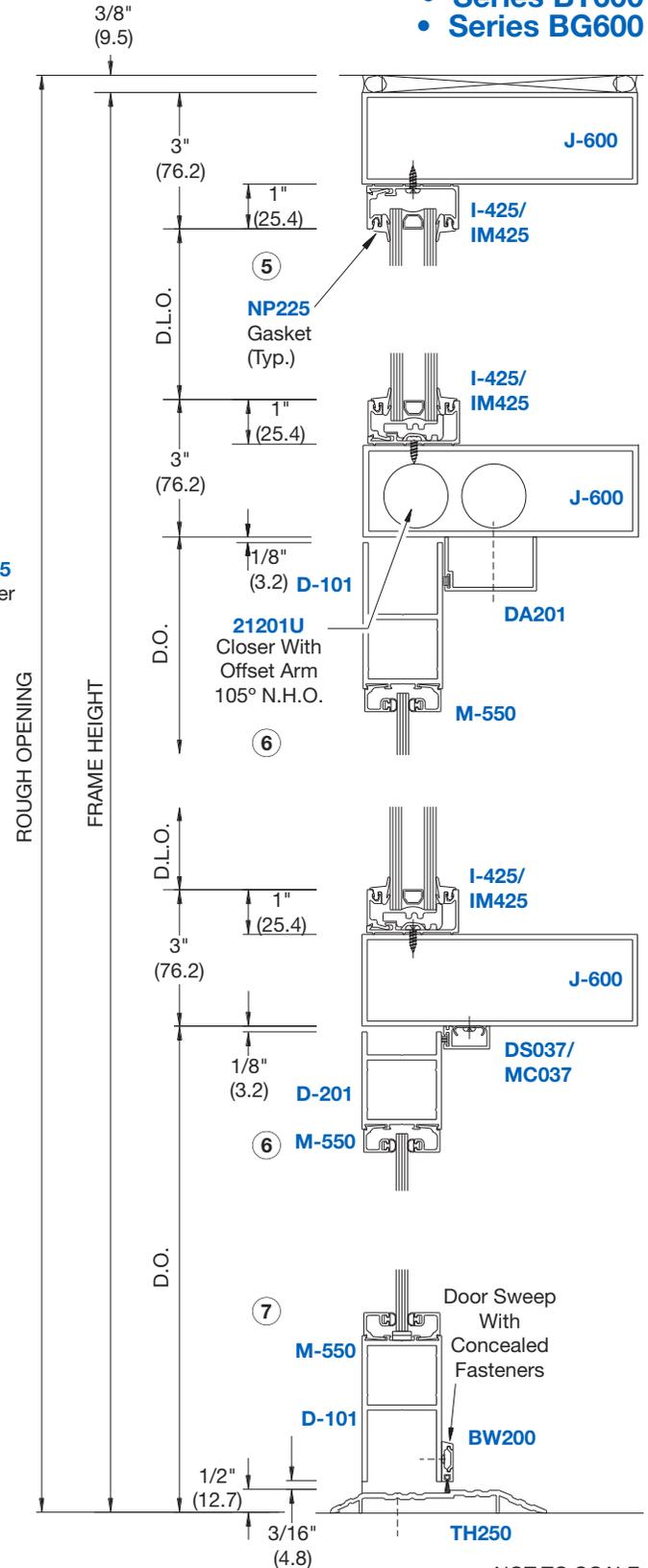
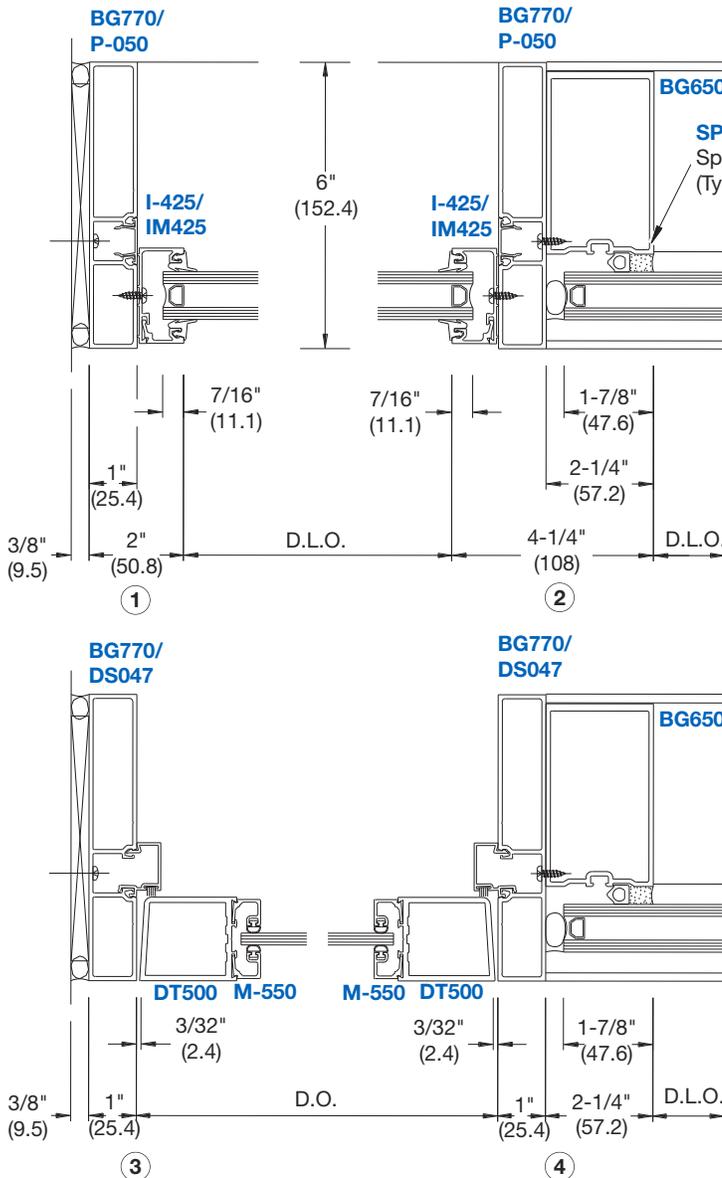
DOOR FRAMING

NOTE: Doors are available in stock to accommodate 36" x 84" (914 x 2134) and 72" x 84" (1829 x 2134) door openings. Visit usalum.com for more information.



BG and BT Systems

- Series BT600
- Series BG600



NOT TO SCALE

WINDOW WALLS

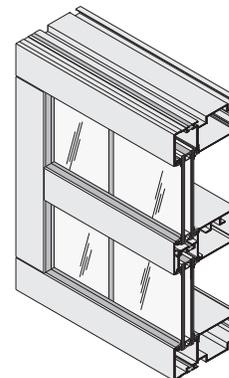
Typical Details

BG and BT Systems

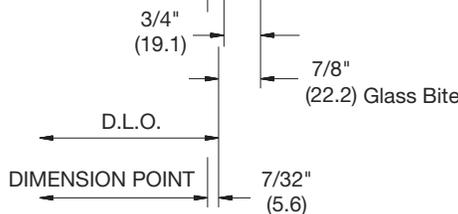
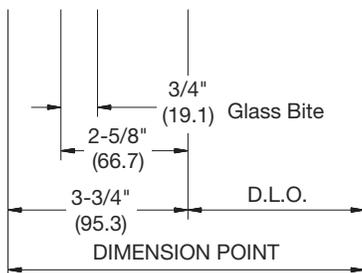
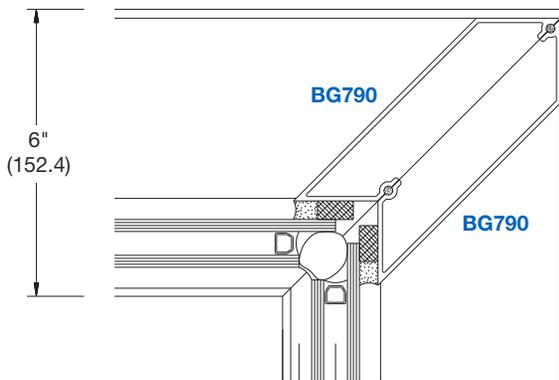
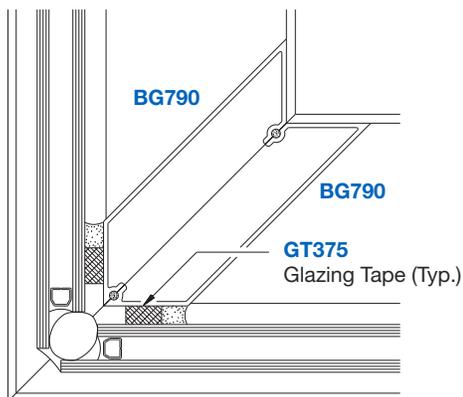
- Series BT600
- Series BG600

CORNER CONDITIONS FOR 1" (25) GLAZING

NOTE: Part numbers shown are available in 24' (7.3 m) stock lengths. Visit usalum.com for more information.



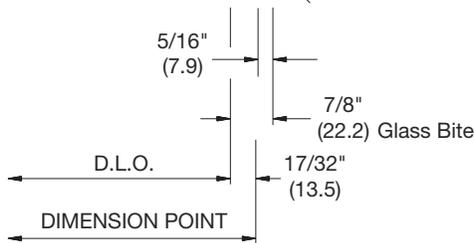
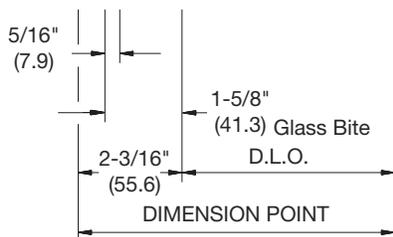
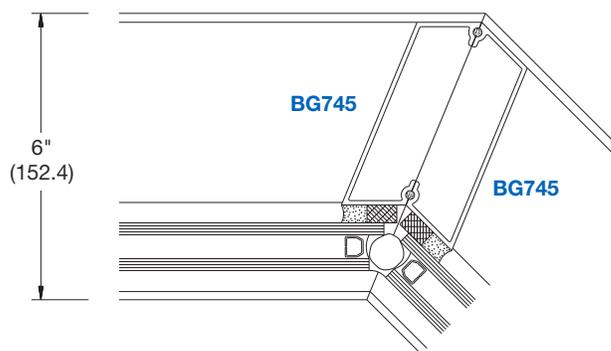
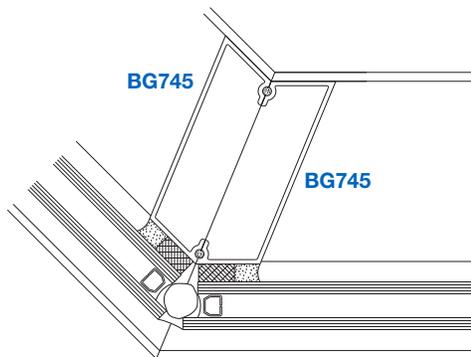
90 DEGREE CORNERS



Outside Corner

Inside Corner

135 DEGREE CORNERS



Outside Corner

Inside Corner

NOT TO SCALE

Online usalum.com By Phone (800) 262-5151
 Online crlaurence.com By Phone (800) 421-6144

Windload Charts

BG and BT Systems

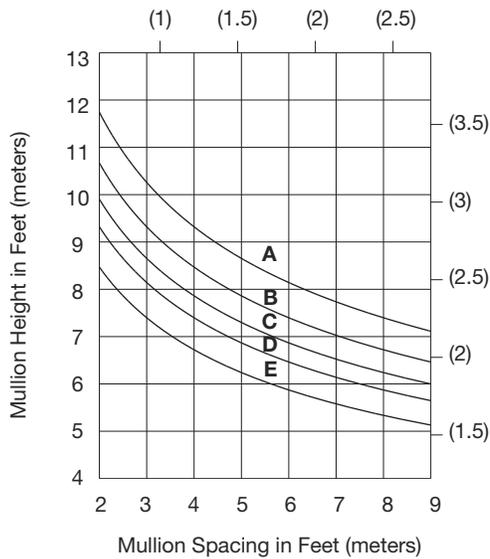
VERTICAL MULLIONS FOR 1/4" (6) AND 1" (25) GLAZING

- Series BG450
- Series BG520
- Series BG525
- Series BT525
- Series BG600
- Series BT600

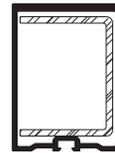
Deflection criteria to be in accordance with AAMA TIR-A11 - L/175 or L/240 + 1/4" (6.4 mm) for spans greater than 13'-6" (4.1 m) but less than 40'-0" (12.2 m). Codes and specifications may vary. No single lite of glass shall deflect more than 3/4" (19 mm). Glass is not considered as contributing to resistance of deflection. Aluminum alloy 6063-T6 allowable stress for windload is 15,200 psi. (89 MPa), and steel reinforcing allowable stress for windload is 21,600 psi. (183 MPa).

These charts include unbraced length analysis and are based on at least one horizontal being placed at the midpoint of the span. For other applications, please contact U.S. Aluminum Technical Sales at (800) 262-5151, or visit our web site at usalum.com.

Limitation of vertical mullions for:
 CURVES A = 15 PSF (718 Pa)
 CURVES B = 20 PSF (957 Pa)
 CURVES C = 25 PSF (1197 Pa)
 CURVES D = 30 PSF (1436 Pa)
 CURVES E = 40 PSF (1915 Pa)



BG550

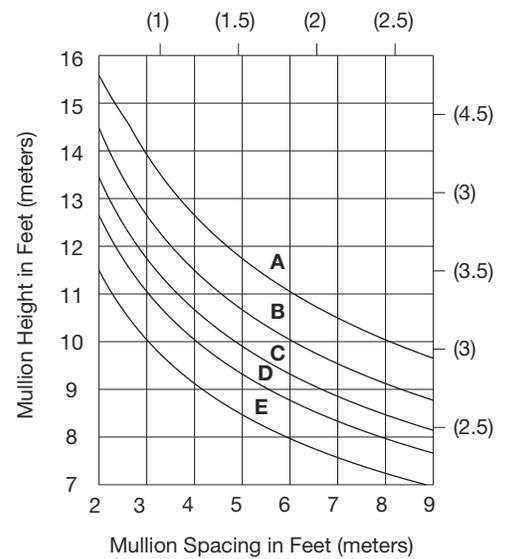


BG550 with SS550

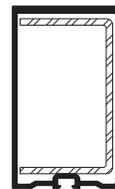
$I = 1.594 (66.3 \times 10^4)$
 $S = .965 (15.81 \times 10^3)$

Steel Stiffener
 $I = .824 (34.3 \times 10^4)$
 $S = .659 (10.81 \times 10^3)$

$I_{AL+STL} = 3.984 (165.81 \times 10^4)$



BG650

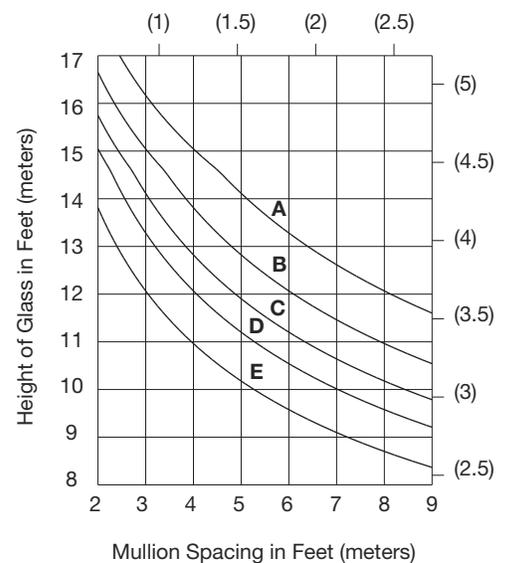
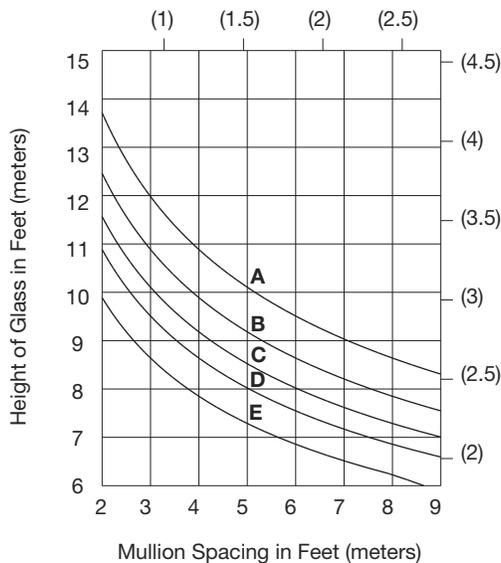


BG650 with SS650

$I = 2.539 (105.68 \times 10^4)$
 $S = 1.229 (20.1 \times 10^3)$

Steel Stiffener
 $I = 1.510 (62.9 \times 10^4)$
 $S = 1.229 (15.74 \times 10^3)$

$I_{AL+STL} = 6.918 (287.95 \times 10^4)$



WINDOW WALLS

Deadload Charts

HORIZONTAL MULLIONS FOR 1/4" (6) AND 1" (25) GLAZING

Deadload charts are based on 1/8" (3.2) maximum deflection at the center point of the horizontal mullion and on a glass weight of 3.25 psf (15.87 Kg/m²) for 1/4" (6) glass and 6.5 psf (31.74 Kg/m²) for 1" (25) glass.

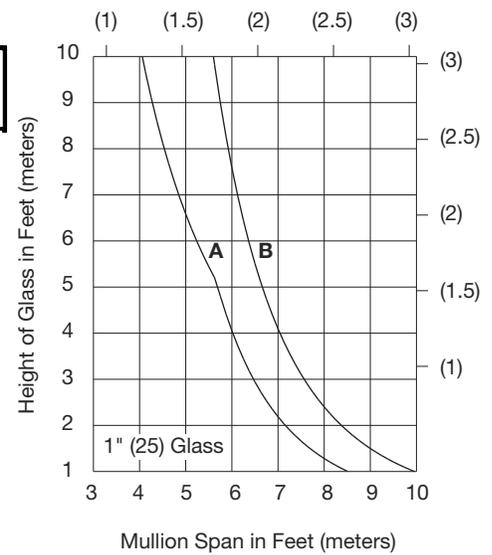
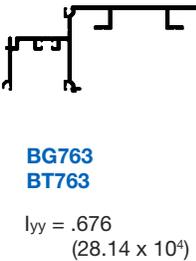
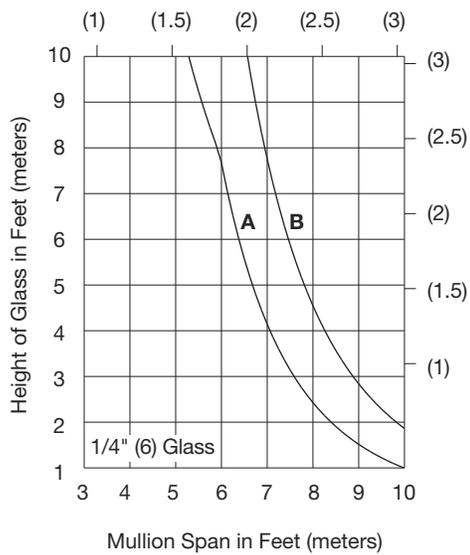
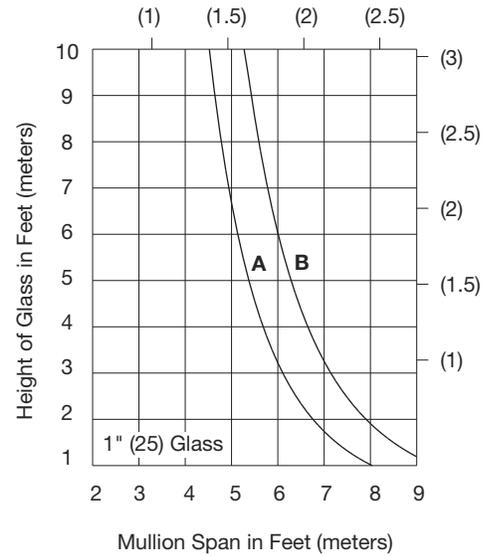
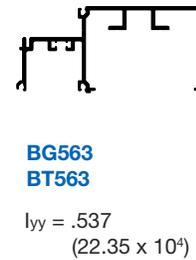
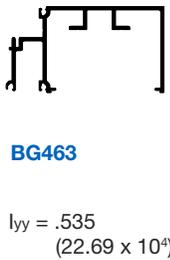
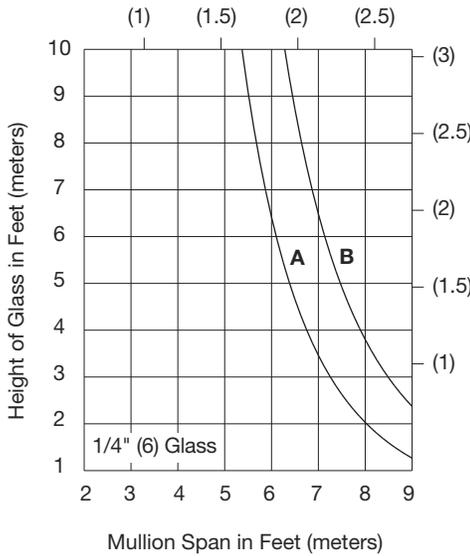
Glass shall rest on two setting blocks located at:

CURVES A: 1/4 points

CURVES B: 1/8 points or 8" (203.2) from corners, whichever is larger

BG and BT Systems

- Series BG450
- Series BG520
- Series BG525
- Series BT525
- Series BG600
- Series BT600



WINDOW WALLS

Structural Silicone Chart

BG and BT Systems

- Series BG450
- Series BG520
- Series BG525
- Series BT525
- Series BG600
- Series BT600

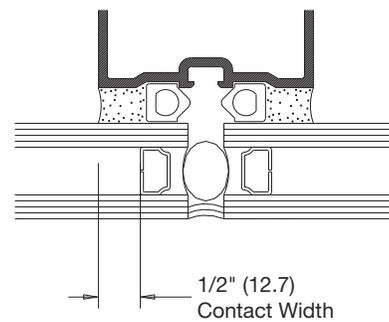
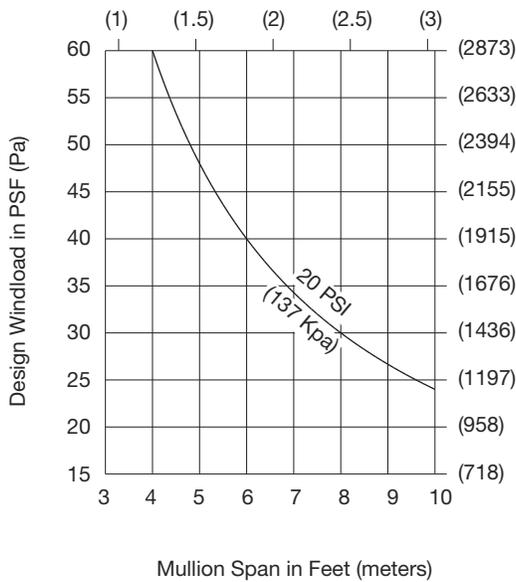
For structural silicone glazing the stress on the silicone must not exceed 20 psi (137 Kpa) for a 6:1 safety factor.

Series BG450, BG520, BG525, BT525, BG600, and BT600 offer contact width of 1/2" (12.7).

NOTE: The maximum shorter span of glass may be the width or the height dimension.

EG. for 5' x 7' (1.52 m x 2.13 m) check 5' (1.52 m)
 for 7' x 5' (2.13 m x 1.52 m) check 5' (1.52 m)

THESE LIMITATIONS ARE RELATED ONLY TO THE SILICONE JOINT CAPABILITY. ALUMINUM MEMBERS SHOULD ALSO BE CHECKED FOR WINDLOAD AND DEADLOAD.



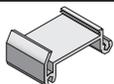
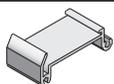
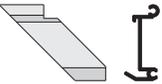
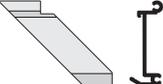
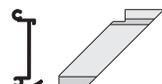
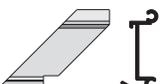
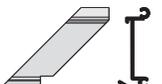
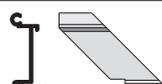
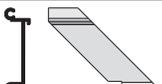
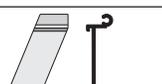
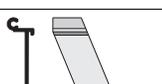
WINDOW WALLS

Accessories

BG and BT Systems

Series BG450 and BG520 Accepts 1/4" (6) Glazing Only.
 Series BG525/BT525 and BG600/BT600 Accepts 1" (25)
 and 1/4" (6) Transition Glazing.

- Series BG450
- Series BG520
- Series BG525
- Series BT525
- Series BG600
- Series BT600

PART NO.	DESCRIPTION	PKG. QTY.	WHERE USED				PART NO.	DESCRIPTION	PKG. QTY.	WHERE USED			
			BG450	BG525 BT525	BG520	BG600 BT600				BG450	BG525 BT525	BG520	BG600 BT600
AP555	 Anchor Clip at Intermediate Horizontal with screws	20	●	●			AP755	 Anchor Clip at Intermediate Horizontal with screws	20			●	●
AP556L *	 Left Anchor Clip - I.S. 90° with screws	4	●	●			AP756L #	 Left Anchor Clip - I.S. 90° with screws	4			●	●
AP556R *	 Right Anchor Clip - I.S. 90° with screws	4	●	●			AP756R #	 Right Anchor Clip - I.S. 90° with screws	4			●	●
AP557L *	 Left Anchor Clip - O.S. 90° with screws	4	●	●			AP757L #	 Left Anchor Clip - O.S. 90° with screws	4			●	●
AP557R *	 Right Anchor Clip - O.S. 90° with screws	4	●	●			AP757R #	 Right Anchor Clip - O.S. 90° with screws	4			●	●
AP558L *	 Left Anchor Clip - I.S. 135° with screws	4	●	●			AP758L #	 Left Anchor Clip - I.S. 135° with screws	4			●	●
AP558R *	 Right Anchor Clip - I.S. 135° with screws	4	●	●			AP758R #	 Right Anchor Clip - I.S. 135° with screws	4			●	●
AP559L *	 Left Anchor Clip - O.S. 135° with screws	4	●	●			AP759L #	 Left Anchor Clip - O.S. 135° with screws	4			●	●
AP559R *	 Right Anchor Clip - O.S. 135° with screws	4	●	●			AP759R #	 Right Anchor Clip - O.S. 135° with screws	4			●	●

* Made From Extrusion AR595

Made From Extrusion AR755

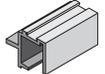
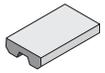
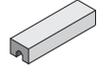
WINDOW WALLS

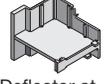
Accessories

Series BG450 and BG520 Accepts 1/4" (6) Glazing Only.
 Series BG525/BT525 and BG600/BT600 Accepts 1" (25) and 1/4" (6) Transition Glazing.

BG and BT Systems

- Series BG450
- Series BG520
- Series BG525
- Series BT525
- Series BG600
- Series BT600

PART NO.	DESCRIPTION	PKG. QTY.	WHERE USED			
			BG450	BG525 BT525	BG520	BG600 BT600
BG325	 Setting Chair for Sill	50	●		●	
BG334	 Setting Chair for Sill	50		●		●
RG637	 Temporary Glazing Retainer	50	●	●	●	●
RG638	 Thermal Clip - 1" (25) Glazing Patent No. D295,952	50		●		●
RG639	 Thermal Clip - 1/4" (6) Glazing Patent No. D295,952	50	●		●	
SB110	 Setting Block - 1" (25) Glazing	100		●		●
SB125	 Setting Block - 1/4" (6) Glazing	100	●		●	
SB325	 Setting Block at Sill 1/4" (6) Glazing	50	●		●	
SB334	 Setting Block at Sill 1" (25) Glazing	50		●		●
SD455	 End Dam - Head and Sill	20	●		●	
NP225	 Standard Gasket for 4-1/2" (114.3) System	500' Roll	●	●	●	●
SP455	 Structural Silicone Spacer	250' Roll	●	●	●	●

PART NO.	DESCRIPTION	PKG. QTY.	WHERE USED			
			BG450	BG525 BT525	BG520	BG600 BT600
SD525	 End Dam - Head and Sill	20		●		●
SS550	 Steel Stiffener for BG550	16' Stock Length	●	●		
SS650	 Steel Stiffener for BG650	16' Stock Length			●	●
UB625	 Weep Baffle - Sill Can	100	●	●	●	●
WD454	 Water Deflector at Corners	8	●		●	
WD455	 Water Deflector at Horizontal	50	●		●	
WD456	 Water Deflector at Jamb	20	●		●	
WD524	 Water Deflector at Corners	8		●		●
WD525	 Water Deflector at Horizontal	50		●		●
WD526	 Water Deflector at Jamb	20		●		●
GT375	 Adhesive Spacer Tape (Silicone compatible)	25' Roll	●	●	●	●

WINDOW WALLS

Accessories

CRL 95C SILICONE BUILDING SEALANT

- **Excellent Primerless Adhesion to Most Common Construction Substrates**
- **± 50% Joint Width Movement**
- **AAMA Approved**
- **Approved for the Florida Hurricane Impact Glazing Code**
- **20 Year Limited Warranty**

Get Spec. Data for all Sealants at crlaurence.com



10.3 Fl. Oz. (305 ml);
30 Cartridges Per Case;
1440 Cartridges Per Pallet

CRL 95C Silicone is a one-part, medium modulus, neutral cure, 100% silicone formulation that cures to a durable and flexible silicone rubber building joint seal. It can accommodate ± 50% joint movement in properly designed joints.

NOTE: CRL 95C should not be used for structural glazing; sealing horizontal decks, patios, driveways or terrace joints where abrasion or physical abuse is encountered; sealing submerged joints; or for exterior or interior sealing below the waterline in marine applications.

PART NO.	COLOR
95CBL	Black
95CDBRZ	Dark Bronze
95CGRY	Gray
95CL	Limestone
95CW	Precast White
95CWHT	White

Minimum order: 1 each. All cartridge sealants can be combined for quantity pricing.

DOW CORNING® 795 SILICONE BUILDING SEALANT

- **± 50% Joint Width Movement**
- **Medium Modulus Building Sealant for Expansion Joints**
- **Structural and Non-Structural Glazing of Glass, Metals, and Plastics**



10.3 Fl. Oz. (305 ml);
12 Cartridges Per Case;
1296 Cartridges Per Pallet

Dow Corning® 795 is a one-part, medium modulus, neutral cure silicone formulation. Dow Corning® 795 cures to a durable and flexible silicone rubber building joint seal, and can accommodate ± 50% joint movement in a properly designed joint.

NOTE: Should not be applied to building materials that bleed oils, plasticizers or solvents, or in totally confined spaces. Do not apply to frost-laden or wet surfaces, or to surfaces that are in direct contact with food. Check cartridge label and Specification Data Sheet for additional limitations.

PART NO.	COLOR
795BL	Black
795BRZ	Bronze
795GRY	Gray
795L	Limestone
795W	White

Minimum order: 1 each. All cartridge sealants can be combined for quantity pricing.

DOW CORNING® 995 SILICONE STRUCTURAL ADHESIVE

- **Designed Specifically for Structural and Protective Glazing**
- **Self-Priming to Most Common Building Substrates, Including Most Fluoropolymer-Based Paints**



10.3 Fl. Oz. (305 ml);
12 Cartridges Per Case;
1296 Cartridges Per Pallet

Dow Corning® 995 is a one-component, self-priming, shelf stable, neutral cure, elastomeric adhesive specifically formulated for silicone structural glazing.

NOTE: Structural glazing applications for Dow Corning® 995 must be reviewed by the Technical Service staff, Dow Corning Corporation, Construction Sealants Technical Service and Development. Check cartridge label and Specification Data Sheet for additional limitations.

PART NO.	COLOR
995BL	Black
995W	White

Minimum order: 1 each. All cartridge sealants can be combined for quantity pricing.

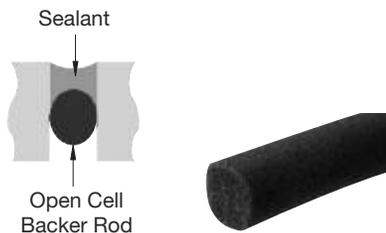
Online usalum.com By Phone (800) 262-5151
Online crlaurence.com By Phone (800) 421-6144

WINDOW WALLS

Accessories

OPEN CELL BACKER ROD

- Controls Depth of Sealant and Acts as a Bond Breaker
- Has No Skin, So It's Non-Gassing
- Soft So it Compresses Easily



Open Cell Backer Rod is a soft, round, and easily compressible open cell polyurethane foam. Dynamic joint movement does not adversely affect Open Cell Backer Rod, and its inherent flexibility applies itself to joint variations very easily.

100 FOOT (30.5 M) ROLLS

PART NO.	ROD DIAMETER	ROLL LENGTH
B0CBR58C	5/8" (16)	100' (30.5 m)
B0CBR78C	7/8" (22)	100' (30.5 m)
B0CBR118C	1-1/8" (28)	100' (30.5 m)
B0CBR112C	1-1/2" (38)	100' (30.5 m)

Minimum order: 1 case. Sizes can be combined for quantity pricing.

BULK CASES

PART NO.	ROD DIAMETER	QTY/CASE
B0CBR58	5/8" (16)	1400' (426 m)
B0CBR78	7/8" (22)	900' (274 m)
B0CBR118	1-1/8" (28)	350' (107 m)
B0CBR112	1-1/2" (38)	200' (61 m)
B0CBR2	2" (51)	100' (30.5 m)

Minimum order: 1 case. Sizes can be combined for quantity pricing.

Backer Rods



Part No. SBRR
Roller Tool will not tear "skin" of Backer Rod.

CLOSED CELL BACKER ROD

- Compatible With All Cold-Applied Sealants
- Available in Nine Widths

Closed Cell Backer Rod is a round, flexible, closed cell polyethylene foam with an exterior "skin" used as a backing and thickness control device for elastomeric and other cold-applied sealants.



100 FOOT (30.5 M) ROLLS

PART NO.	ROD DIAMETER	ROLL LENGTH
EF14C	1/4" (6)	100' (30.5 m)
EF38C	3/8" (10)	100' (30.5 m)
EF12C	1/2" (12)	100' (30.5 m)
EF58C	5/8" (16)	100' (30.5 m)
EF34C	3/4" (19)	100' (30.5 m)
EF1C	1" (25)	100' (30.5 m)
EF114C	1-1/4" (32)	100' (30.5 m)
EF112C*	1-1/2" (38)	102' (31.1 m)
EF2C*	2" (51)	102' (31.1 m)

Minimum order: 1 roll. Sizes can be combined for quantity pricing.
* This size is shipped in 84" (2.13 m) cut lengths.

BULK CASES

PART NO.	ROD DIAMETER	QTY/CASE
EF14B	1/4" (6)	6400' (1951 m)
EF38B	3/8" (10)	3600' (1097 m)
EF12B	1/2" (12)	2500' (762 m)
EF58B	5/8" (16)	1550' (472 m)
EF34B	3/4" (19)	1100' (335 m)
EF1B	1" (25)	550' (167 m)
EF114B	1-1/4" (32)	400' (122 m)
EF112B*	1-1/2" (38)	552' (168 m)
EF2B*	2" (51)	360' (110 m)

Minimum order: 1 roll. Sizes can be combined for quantity pricing.
* This size is shipped in 84" (2.13 m) cut lengths.



Part No. T607CU605
Backer Rod Insert Tool Set. Helpful for proper installation.

SOF® ROD

- Non-Gassing if Damaged
- No Moisture Absorption

Sof® Rod is a state-of-the-art sealant backing material combining the best properties of both open and closed cell backer rods in a single, trouble-free product. Sof® Rod is a continuous length of extruded polyolefin foam made with a non-absorbent outer skin and a highly resilient interior network of open and closed cells. Sof® Rod will not out-gas if ruptured.

100 FOOT (30.5 M) ROLLS

PART NO.	ROD DIAMETER	ROLL LENGTH
SR38C	3/8" (10)	100' (30.5 m)
SR58C	5/8" (16)	100' (30.5 m)
SR78C	7/8" (22)	100' (30.5 m)
SR118C	1-1/8" (28)	100' (30.5 m)
SR112C**	1-1/2" (38)	102' (31.1 m)
SR2C**	2" (51)	102' (31.1 m)

Minimum order: 1 roll. **Minimum order: 1 box of seventeen 6-foot lengths. Sizes can be combined for quantity pricing.

BULK CASES

PART NO.	ROD DIAMETER	QTY/CASE
SR38B	3/8" (10)	3600' (1097 m)
SR58B	5/8" (16)	1550' (472 m)
SR78B	7/8" (22)	850' (259 m)
SR118B	1-1/8" (28)	500' (152 m)
SR112B*	1-1/2" (38)	552' (167 m)
SR2B*	2" (51)	360' (110 m)

Minimum order: 1 roll. *Minimum order: 1 box of 6-foot lengths. Sizes can be combined for quantity pricing.



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Online crlaurence.com By Phone (800) 421-6144

WINDOW WALLS

Accessories

Glazing Gaskets

GLAZING GASKET CHART FOR WINDOW WALL PRODUCTS

SYSTEM SERIES	GLASS THICKNESS	OUTSIDE GLAZING		INSIDE GLAZING		POCKET WIDTH	ADAPTOR
		EXTERIOR	INTERIOR	EXTERIOR	INTERIOR		
OS175 OS450 OS600	1/4" (6)	NP225	NP225	NP225	NP225	5/8" (15.9)	
OS451 OS601	1" (25)			NP142 at Head Only		1-3/8" (34.9)	
	1/4" (6)					5/8" (15.9)	IS251
OS175SG OS450SG OS600SG	1/4" (6)	Structural Silicone Weatherseal	SP450 and Silicone				
OS451SG OS601SG	1" (25)						
BG450	1/4" (6)	NP225	NP225	NP225	NP225	5/8" (15.9)	
BG525 BT525	1" (25)					1-3/8" (34.9)	
BG450	1/4" (6)	Structural Silicone Weatherseal	SP450 and Silicone	Structural Silicone Weatherseal	SP450 and Silicone		
BG525 BT525	1" (25)						
BG520	1/4" (6)	NP225	NP225	NP225	NP225	5/8" (15.9)	
BG600 BT600	1" (25)					1-3/8" (34.9)	
BG520	1/4" (6)	Structural Silicone Weatherseal	SP450 and Silicone	Structural Silicone Weatherseal	SP450 and Silicone		
BG600 BT600	1" (25)						



PART NO.	COLOR	TYPE	ROLL LENGTH
NP225	Black	Interior/ Exterior	500' (152.4 m)

Minimum order: 1 roll.



PART NO.	COLOR	TYPE	ROLL LENGTH
SP450	Black	Spacer Structural Glaze	500' (152.4 m)

Minimum order: 1 roll.



PART NO.	COLOR	TYPE	ROLL LENGTH
NP142	Black	Exterior For OG564	200' (61 m)

Minimum order: 1 roll.

Adjustable Multi-Cutter Tool

- Makes Precise Straight or Miter Cuts
- Adjustable Angle Guide Block

The Adjustable Multi-Cutter is great for cutting glazing vinyl and channel, rubber gaskets, PVC strips, trim molding, and weatherstrip. Simply adjust the guide with the desired angle line on the tool's platform and you have a perfect miter cut every time. Platform is marked at 135, 120, 105, 90, 75, 60, and 45 degrees. The Multi-Cutter is made of high quality steel with vinyl handgrips for comfort when cutting. Includes one blade.



PART NO. MC80N

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WINDOW WALLS

Accessories

All OS-2 Systems

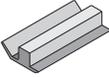
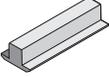
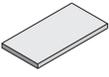
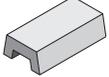
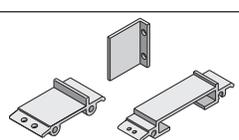
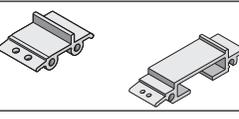
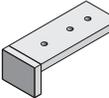
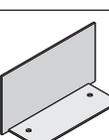
NOTE: Clips for 4-1/2" (114.3) Members at 90° Corners are Shown.
Clips for 6" (152.4) Members at 90° Corners are Cut Similarly.

PART NO.	DETAIL/DESCRIPTION	PKG. QTY.	WHERE USED		PART NO.	DETAIL/DESCRIPTION	PKG. QTY.	WHERE USED	
			OS450SG	OS600SG				OS451SG	OS601SG
AP406L		4	●		AP506L		4	●	
AP606L	Left Anchor Clip Inside Corner 90° with Screws	4		●	AP706L	Left Anchor Clip Inside Corner 90° with Screws	4		●
AP406R		4	●		AP506R		4	●	
AP606R	Right Anchor Clip Inside Corner 90° with Screws	4		●	AP706R	Right Anchor Clip Inside Corner 90° with Screws	4		●
AP407L		4	●		AP507L		4	●	
AP607L	Left Anchor Clip Outside Corner 90° with Screws	4		●	AP707L	Left Anchor Clip Outside Corner 90° with Screws	4		●
AP407R		4	●		AP507R		4	●	
AP607R	Right Anchor Clip Outside Corner 90° with Screws	4		●	AP707R	Right Anchor Clip Outside Corner 90° with Screws	4		●
AP408L		4	●		AP508L		4	●	
AP608L	Left Anchor Clip Inside Corner 135° with Screws	4		●	AP708L	Left Anchor Clip Inside Corner 135° with Screws	4		●
AP408R		4	●		AP508R		4	●	
AP608R	Right Anchor Clip Inside Corner 135° with Screws	4		●	AP708R	Right Anchor Clip Inside Corner 135° with Screws	4		●
AP409L		4	●		AP509L		4	●	
AP609L	Left Anchor Clip Outside Corner 135° with Screws	4		●	AP709L	Left Anchor Clip Outside Corner 135° with Screws	4		●
AP409R		4	●		AP509R		4	●	
AP609R	Right Anchor Clip Outside Corner 135° with Screws	4		●	AP709R	Right Anchor Clip Outside Corner 135° with Screws	4		●
WD190	 Water Deflector Use Two Per Corner	8	●	●	WD290	 Water Deflector Use Two Per Corner	8	●	●

WINDOW WALLS

Accessories

All OS-2 Systems

PART NO.	DETAIL	DESCRIPTION	PKG. QTY.	WHERE USED											
				OS175	OS175SG	OS450	OS450SG	OS451	OS451SG	OS600	OS600SG	OS601	OS601SG		
SB141		Setting Block for Interior Glazing	100			●					●				
SB142		Setting Block for Exterior Glazing	100	●	●	●	●				●	●			
SB100		Setting Block for Interior Glazing. Use at Sill Only	100			●					●				
SB240		Setting Block for Interior Glazing	100					●					●		
SB230		Setting Block for Exterior Glazing	100					●	●				●	●	
UB335		Urethane Baffle for Interior Glazing Sill	100			●					●				
UB635		Urethane Baffle for Interior Glazing	100					●					●		
WB555		"W" Edge Block. Use at OG555 and OG755 Deep Pocket Only	50					●					●		
WB452		"W" Edge Block	50	●		●		●			●		●		
AP213		Anchor Clip	20	●	●										
AP463			20			●	●								
AP664			20									●	●		
AP563		Anchor Clip	20					●	●						
AP764			20										●	●	
DJ210		Drill Jig	1			●	●	●	●						
DJ650			1								●	●	●	●	
EC175		End Dam	20	●	●										
EC450			20			●	●	●	●						
EC600			20								●	●	●	●	

WINDOW WALLS

Accessories

All OS-2 Systems

PART NO.	DETAIL	DESCRIPTION	PKG. QTY.	WHERE USED									
				OS175	OS175SG	OS450	OS450SG	OS451	OS451SG	OS600	OS600SG	OS601	OS601SG
EC539		Splice End Cap for OG539	10		●		●		●		●		●
SV268	 SV268 SV568 SV668	Splice Sleeve for CS268	10	●									
SV568		Splice Sleeve for CS568	10			●		●					
SV668		Splice Sleeve for CS668	10							●		●	
SV264	 SV264 SV563 SV664	Splice Sleeve for CS264	10	●	●								
SV563		Splice Sleeve for CS563	10			●	●	●	●				
SV664		Splice Sleeve for CS664	10							●	●	●	●
WD160		Water Deflector for Shallow Pocket	50			●				●			
WD150		Water Deflector for Deep Pocket	50	●		●				●			
WD210		Water Deflector for Shallow Pocket	50					●				●	
WD200		Water Deflector for Deep Pocket	50					●				●	
WD270		Water Deflector for Deep Pocket. Use at OG555 and OG755 Only	50					●				●	
WD180		Water Deflector for OG451 and OG651	50				●				●		
WD280		Water Deflector for OG551 and OG751	50						●				●
RG700	 Patent No. D295,952	Twist-In Temporary Retainer for Structural Silicone Glazing	50		●		●		●		●		●

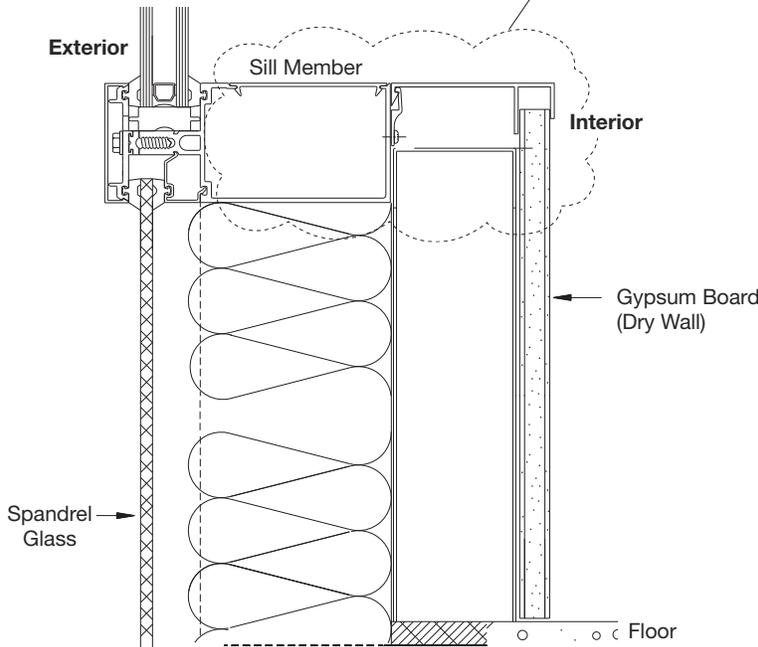
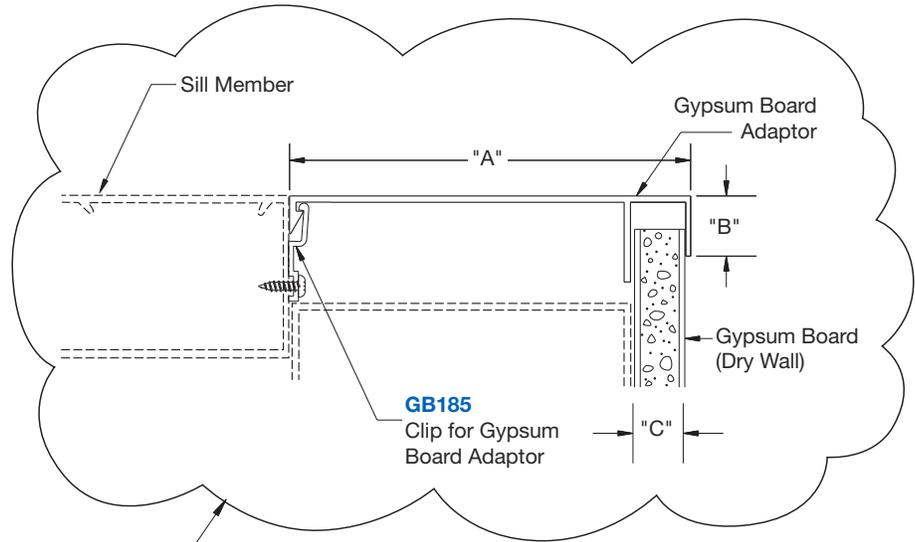
WINDOW WALLS

Typical Details

Miscellaneous Framing

GYPSUM BOARD ADAPTORS

Gypsum Board Adaptors provide a sill member featuring clip joinery, providing clean joints to curtain walls, storefronts, and other systems. Adaptors are available in an assortment of finishes, sizes, and shapes to adapt to many gypsum board (dry wall) conditions. Visit usalum.com for more information.



NOTE: Part numbers shown are available in 24' (7.3 m) stock lengths. Custom extrusions also available. Visit usalum.com for more information.

NOT TO SCALE

PART NO.	DIMENSION "A"	DIMENSION "B"	DIMENSION "C"
GB210	2" (50.8)	3/4" (19.1)	5/8" (15.9)
GB300	3" (76.2)	3/4" (19.1)	5/8" (15.9)
GB350	3-1/2" (88.9)	3/4" (19.1)	5/8" (15.9)
GB425	4-1/4" (108)	3/4" (19.1)	5/8" (15.9)
GB500	5" (127)	3/4" (19.1)	5/8" (15.9)
GB750	7-1/2" (190.5)	3/4" (19.1)	5/8" (15.9)

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