



ARCHITECTURAL METALS INC.

2024



THE SYMBOL  
OF SERVICE

STOREFRONT SYSTEMS

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### INFORMATION

Entrances shall be Shadow Custom Narrow Stile Door Frames as manufactured by ATLAS Architectural, Inc. Houston, Texas. As shown on architectural details.

### SPECIFICATIONS

#### 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 glass, sealants and aluminum entrances be included whenever possible.)

Work NOT included: Structural support of the framing system, interior closures, trim, metal sub-sills. (Specifier list other exclusions).

Related Work Specified Elsewhere: (Specifier list)

##### QUALITY ASSURANCE:

Drawings and specifications are based upon the 1 3/4" x 4-1/2" Flush Glaze system as manufactured by the Atlas Architectural Metals, Inc.. Whenever substitute products are to be considered, supporting technical literature, samples, drawings and performance data must be submitted in ten (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 0.06 CFM per square foot of fixed area. Water infiltration shall be tested in accordance with ASTM E 331. No water penetration at test pressure equal to 10% of the windload, but not less than 2.86 PSF. (AAMA 1.07.6.F)

Structural performance shall be used on:

\*Maximum deflection to 1/175 of the span and...

\* Allowable stress with a safety factor of 1.65.

The system shall perform to these criteria under a windload of (Specify) \_\_\_\_\_ PSG.

#### II. PRODUCTS:

##### MATERIALS

Extrusions shall be 6063-T5 alloy and temper (ASTM B221 alloy G.S.10A-T5). 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 EPDM OR PVC extrusions. Single acting entrance frames shall include a pile weather-strip which will also provide a cushioning effect.

##### FINISH

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

...an Architectural Dark Bronze Class 2 anodic coating with color conforming to Aluminum Association Standard AA-M10 C22 A31, 0.4 Mil thick.

...an Architectural 204-R1 Anodic coating conforming to Aluminum Association Standard AA-M10 C22 A31, 0.4 Mil thick.

##### FABRICATION

The framing system shall provide for flush glazing on all sides with no projecting stops. Vertical and horizontal framing members shall have a nominal face dimension of 1-3/4". Overall depth shall be 4-1/2" with a 5/8" glass pocket width. Entrance framing members shall be compatible with glass framing in appearance.

#### II. 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. entrance frames shall include a pile weather-strip which will also provide a cushioning effect.

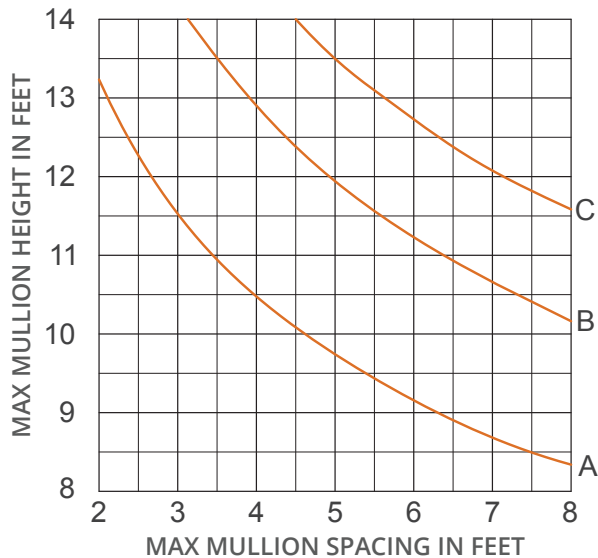
##### PROTECTION AND CLEANING

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.

### Windload Chart

The following charts are based on uniform wind load of 20 PSF and an allowable deflection of L/175, where L= Span length in inches. they are also based on use of 6063-T5 aluminum extrusions and A-36 steel, where steel reinforcing is indicated. these charts apply when shapes are used as vertical mullions only and do not apply when members are used as horizontals. to obtain allowable Span (in inches) for any loading other than 20 PSF, multiply the span length (in inches) obtained from the chart by the following factors. 9098= A-36 steel reinforcement.

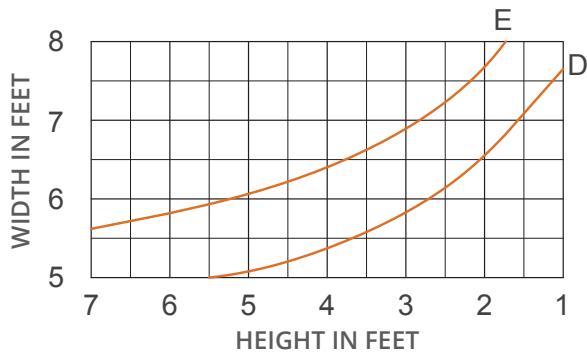
LOAD	FACTOR
15 PSF	1.10064
25 PSF	.92832
30 PSF	.87358
35 PSF	.82983
40 PSF	.79370



SECTION VALUES			
GRAPH	PART NUMBER	$I_{xx}$ IN. <sup>4</sup>	$S_{xx}$ IN. <sup>3</sup>
A	1000, 1005	3.026	1.345
B	1000, 1005, 9098	5.561	2.471
C	1000, 1005, (2)9098	8.096	3.598

### DEADLOAD CHART

Horizontal or deadload limitations are based upon 1/8" (1/16" for transom bars), maximum allowable deflection at the center of an intermediate horizontal member. The accompanying charts are calculated for the glass to be rested upon two setting blocks positioned at 1/4 points, or one fourth of the member's length as measured from each end.

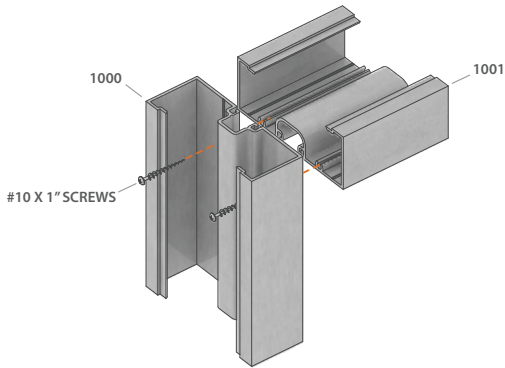


SECTION VALUES				
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E	.125	1002	.441	.436

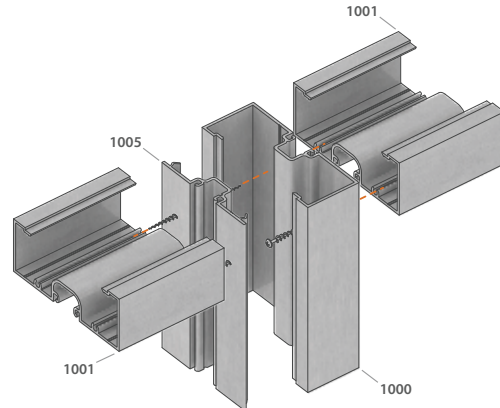


# 4 -1/2" Flush Glaze 1/4" Pocket 1000 Series / Assembly

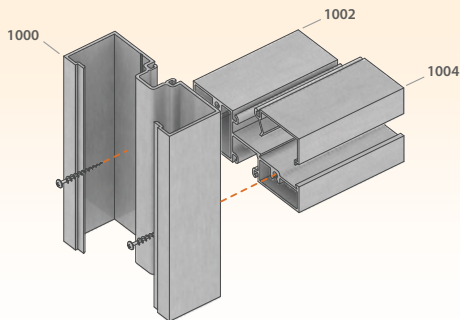
HEAD & JAMB



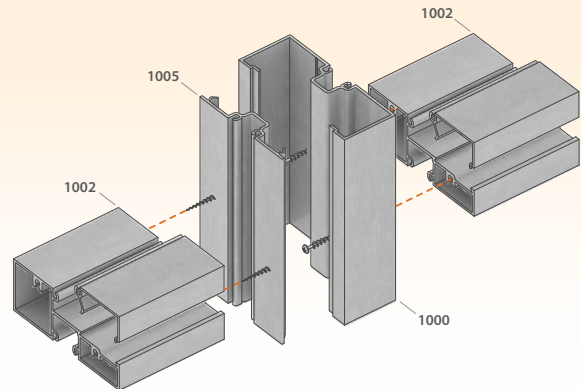
HEAD & VERTICAL



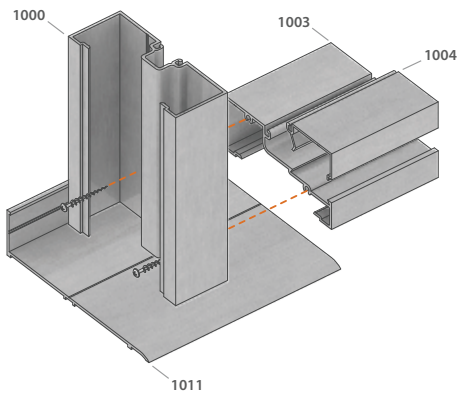
HORIZONTAL & VERTICAL



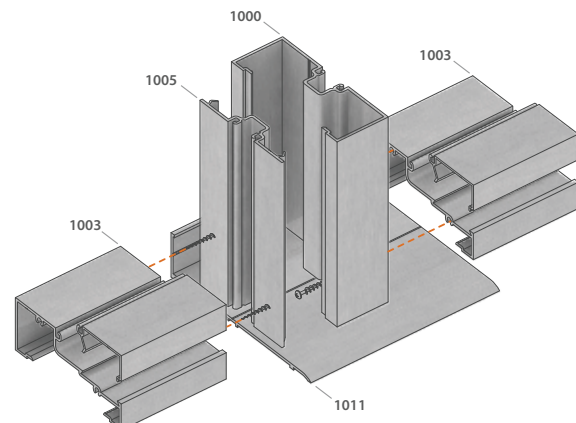
HORIZONTAL & JAMB



STILL & JAMB











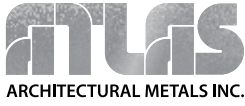
STILL & VERTICAL



<b>1000 Series</b>
<b>4 -1/2" Flush Glaze 1/4" Pocket</b>










**1000 SERIES**  
1 -3/4" X 4-1/2"

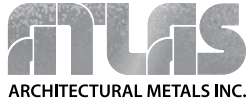
ITEM	DESCRIPTION	STOCK LENGHT	FINISH		
 1000	4-1/2" X 1-3/4" JAMB(VERTICAL) MATES WITH 1005, 1006, 1007, 1008	24' - 1"	CLEAR	BRONZE	BLACK
 1001	4-1/2" X 1-3/4" HEADER(HORIZONTAL TOP) MATES WITH 1005, 1006, 1007, 1008	24' - 2"	CLEAR	BRONZE	BLACK
 1002	4-1/2" X 1-3/4" INTERMEDIATE(HORIZONTAL) MATES WITH 1004, 1007, 1008	24' - 2"	CLEAR	BRONZE	BLACK
 1003	4-1/2" X 1-3/4" SILL(HORIZONTAL BASE) MATES WITH 1004, 1005, 1006, 1007	24' - 1"	CLEAR	BRONZE	BLACK
 1004	FACE CAP MATES WITH 1002, 1003	24' - 2"	CLEAR	BRONZE	BLACK
 1005	POCKET FILLER MATES WITH 1000, 1001, 1003, 1007	24' - 1"	CLEAR	BRONZE	BLACK
 1006	FLAT FILLER MATES WITH 1000, 1001, 1003	24' - 1"	CLEAR	BRONZE	BLACK
 1007	SNAP INFILL GLAZING POCKET FILLER MATES WITH 1000, 1001, 1002, 1003, 1005	24' - 1"	CLEAR	BRONZE	BLACK



**1000 Series**

**4 -1/2" Flush Glaze 1/4" Pocket**

ITEM	DESCRIPTION	STOCK LENGHT	FINISH		
 1008	DOOR STOP MATES WITH 1000, 1001, 1002, 1005	24' - 2"	CLEAR	BRONZE	BLACK
 1009	1-3/4" X 4-1/2" RECTANGULAR TUBE	24' - 1"	CLEAR	BRONZE	BLACK
 1010	HEAD RECEPTOR 4-1/2" SYSTEM	24'-1"	CLEAR	BRONZE	BLACK
 1011	SILL FLASHING	24' - 1"	CLEAR	BRONZE	BLACK
 1012	1" SUB-FRAME JAMB MATES WITH 1008 & 1007	21'-8"	CLEAR	BRONZE	BLACK
 1013	1" SUB-FRAME HEADER MATES WITH 1008 & 1007	21'-8"	CLEAR	BRONZE	BLACK
 3302	1/4" SASH FRAME	24'-1"	CLEAR	BRONZE	BLACK
 3301	1" SASH FRAME	24'-1"	CLEAR	BRONZE	BLACK
 3306	SASH FACE CAP	24' - 1"	CLEAR	BRONZE	BLACK



# 4-1/2" Flush Glaze for 1" Glaze

## 2000 Series

## Information & specifications

### INFORMATION

Entrances shall be Shadow Custom Narrow Stile Door Frames as manufactured by ATLAS Architectural, Inc. Houston, Texas. As shown on architectural details.

### SPECIFICATIONS

#### 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 glass, sealants and aluminum entrances be included whenever possible.)

Work NOT included: Structural support of the framing system, interior closures, trim, metal sub-sills. (Specifier list other exclusions).

Related Work Specified Elsewhere: (Specifier list)

##### QUALITY ASSURANCE:

Drawings and specifications are based upon the 2" x 4-1/2" Flush Glaze system as manufactured by the Atlas Architectural Metals, Inc.. Whenever substitute products are to be considered, supporting technical literature, samples, drawings and performance data must be submitted in ten (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 0.06 CFM per square foot of fixed area. Water infiltration shall be tested in accordance with ASTM E 331. No water penetration at test pressure equal to 10% of the windload, but not less than 2.86 PSF. (AAMA 1.07.6.F)

Structural performance shall be used on:

\*Maximum deflection to 1/175 of the span and...

\* Allowable stress with a safety factor of 1.65.

The system shall perform to these criteria under a windload of (Specify) \_\_\_\_\_ PSF.

#### II. PRODUCTS:

##### MATERIALS

Extrusions shall be 6063-T5 alloy and temper (ASTM B221 alloy G.S.10A-T5). 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 EPDM OR PVC extrusions. Single acting entrance frames shall include a pile weather-strip which will also provide a cushioning effect.

##### FINISH

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

...an Architectural Dark Bronze Class 2 anodic coating with color conforming to Aluminum Association Standard AA-M10 C22 A31, 0.4 Mil thick.

...an Architectural 204-R1 Anodic coating conforming to Aluminum Association Standard AA-M10 C22 A31, 0.4 Mil thick.

##### FABRICATION

The framing system shall provide for flush glazing on all sides with no projecting stops. Vertical and horizontal framing members shall have a nominal face dimension of 2". Overall depth shall be 4-1/2" with a 1-3/8" glass pocket width. Entrance framing members shall be compatible with glass framing in appearance.

#### II. 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. Entrance frames shall include a pile weather-strip which will also provide a cushioning effect.

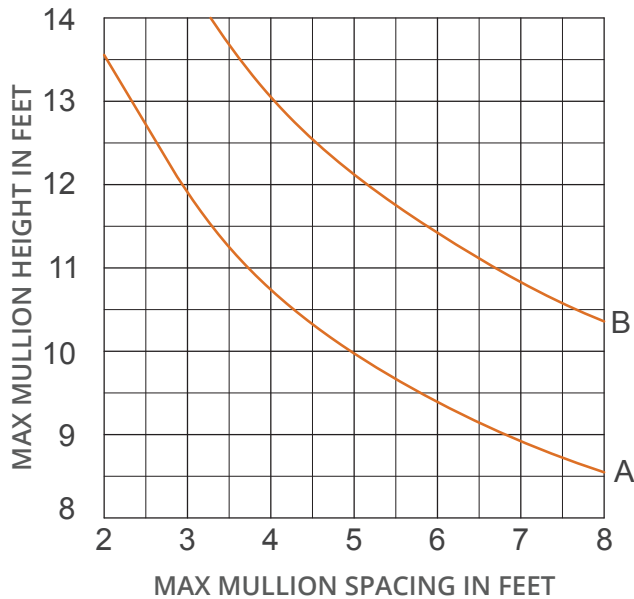
##### PROTECTION AND CLEANING

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.

### Windload Chart

The following charts are based on uniform wind load of 20 PSF and an allowable deflection of L/175, where L= Span length in inches. They are also based on use of 6063-T5 aluminum extrusions and A-36 steel, where steel reinforcing is indicated. These charts apply when shapes are used as vertical mullions only and do not apply when members are used as horizontals. To obtain allowable span (in inches) for any loading other than 20 PSF, multiply the span length (in inches) obtained from the chart by the following factors. 9098= A-36 steel reinforcement.

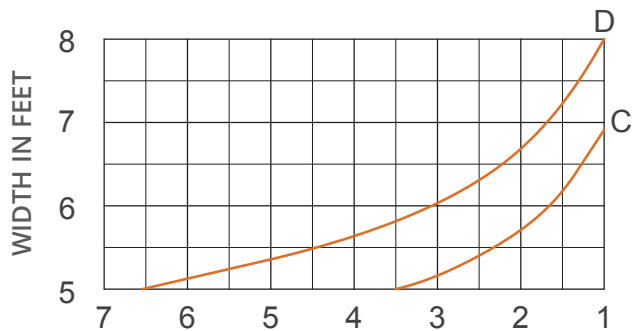
LOAD	FACTOR
15 PSF	1.10064
25 PSF	.92832
30 PSF	.87358
35 PSF	.82983
40 PSF	.79370



SECTION VALUES			
GRAPH	PART NUMBER	I <sub>xx</sub> IN. <sup>4</sup>	S <sub>xx</sub> IN. <sup>3</sup>
A	2000, 2005	3.288	1.818
B	2000, 2005, 9098	5.823	3.047

### DEADLOAD CHART

Horizontal or deadload limitations are based upon 1/8" (1/16" for transom bars), maximum allowable deflection at the center of an intermediate horizontal member. The accompanying charts are calculated for the glass to be rested upon two setting blocks positioned at 1/4 points, or one fourth of the member's length as measured from each end.

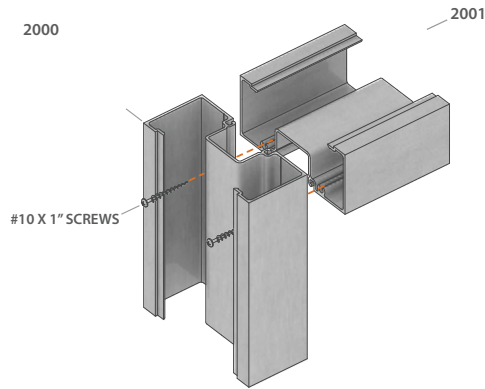


SECTION VALUES				
GRAPH	DEF.	PART NUMBER	I <sub>yy</sub> IN. <sup>4</sup>	S <sub>yy</sub> IN. <sup>3</sup>
C	.062	2002	.558	.456
D	.125	2004	.527	.444

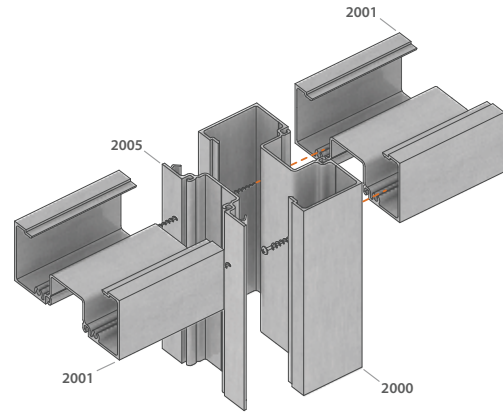


# 4 -1/2" Flush Glaze 1" Pocket 2000 Series / Assembly

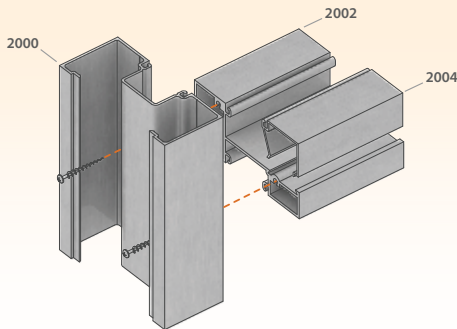
HEAD & JAMB



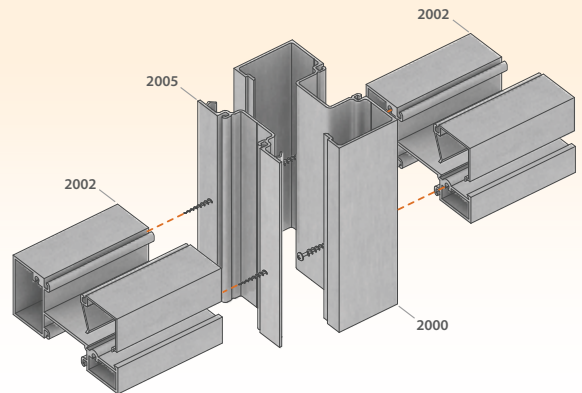
HEAD & VERTICAL



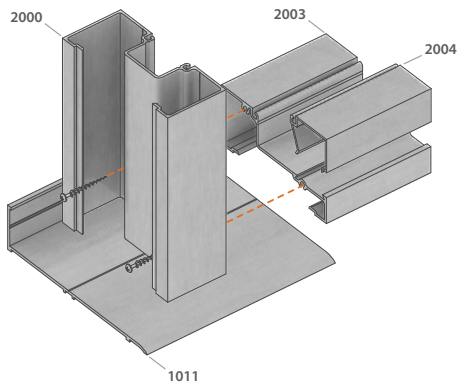
HORIZONTAL & VERTICAL



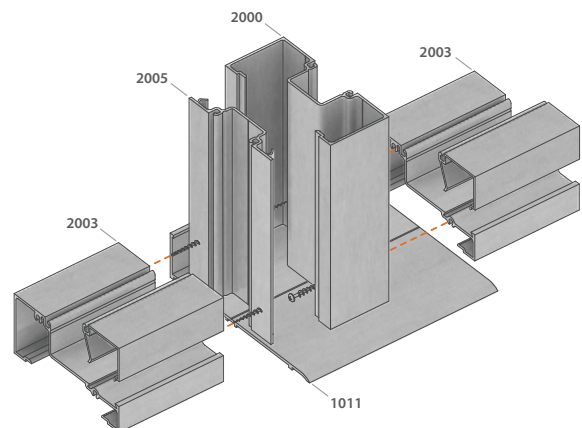
HORIZONTAL & JAMB

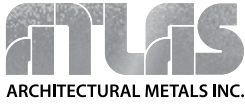


STILL & JAMB




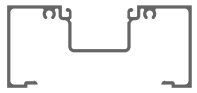
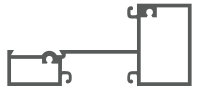





STILL & VERTICAL

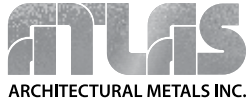




**2000 Series**

**4 -1/2" Flush Glaze 1" Pocket**







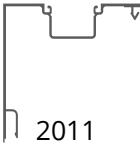
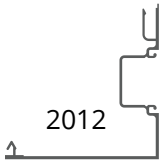

ITEM	DESCRIPTION	STOCK LENGHT	FINISH		
 2000	4-1/2" X 2" JAMB(VERTICAL) MATES WITH 1006, 2005, 2007, 2008	24' - 1"	CLEAR	BRONZE	BLACK
 2001	4-1/2" X 2" HEADER (HORIZONTAL TOP) MATES WITH 1006, 2005, 2007, 2008	24' - 1"	CLEAR	BRONZE	BLACK
 2002	2 X 4-1/2" INTERMEDIATE (HORIZONTAL) MATES WITH 2004, 2007, 2008	24' - 1"	CLEAR	BRONZE	BLACK
 2003	4-1/2" X 2" SILL (HORIZONTAL BASE) MATES WITH 1006, 2004, 2005, 2007	24' - 1"	CLEAR	BRONZE	BLACK
 2004	FACE CAP MATES WITH 2002, 2003 AND 2002T, 2003T	24' - 1"	CLEAR	BRONZE	BLACK
 2005	POCKET FILLER MATES WITH 2000, 2001, 2003, 2007	24' - 1"	CLEAR	BRONZE	BLACK
 2006	FLAT FILLER MATES WITH 2000, 2001, 2003	24' - 1"	CLEAR	BRONZE	BLACK
 2007	SNAP INFILL GLAZING POCKET FILLER MATES WITH 2000, 2001, 2002, 2003, 2005 AND 2000T SERIES	24' - 1"	CLEAR	BRONZE	BLACK



**2000 Series**

**4 -1/2" Flush Glaze 1" Pocket**

**2" x 4-1/2" 2000 SERIES**

ITEM	DESCRIPTION	STOCK LENGHT	FINISH		
 2008	DOOR STOP MATES WITH 2000, 2001, 2002, 2005 AND 2000T SERIES	24'-1"	CLEAR	BRONZE	BLACK
 2009	2" X 4-1/2" RECTANGULAR TUBE	24'-1"	CLEAR	BRONZE	BLACK
 1010	HEAD RECEPTOR 4-1/2" SYSTEM	24'-1"	CLEAR	BRONZE	BLACK
 1011	SILL FLASHING	24'-1"	CLEAR	BRONZE	BLACK
 2016	1/4" REDUCER FOR 1" POCKET	24'-1"	CLEAR	BRONZE	BLACK
 2010	1/4" REDUCER FOR CORNER POST	24'-1"	CLEAR	BRONZE	BLACK
 2011	CORNER POST	24'-1"	CLEAR	BRONZE	BLACK
 2012	CORNER POST	24'-1"	CLEAR	BRONZE	BLACK
 8808	DOOR STOP FOR 2" THICK DOOR MATES WITH 2000, 2001, 2002, 2005 AND 2000T SERIES	24'-1"	CLEAR	BRONZE	BLACK

### INFORMATION

Entrances shall be Shadow Custom Narrow Stile Door Frames as manufactured by ATLAS Architectural, Inc. Houston, Texas. As shown on architectural details.

### SPECIFICATIONS

#### 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 glass, sealants and aluminum entrances be included whenever possible.)

Work NOT included: Structural support of the framing system, interior closures, trim, metal sub-sills.  
(Specifier list other exclusions).

Related Work Specified Elsewhere: (Specifier list)

##### QUALITY ASSURANCE:

Drawings and specifications are based upon the 2" x 4-1/2" Flush Glaze system as manufactured by the Atlas Architectural Metals, Inc.. Whenever substitute products are to be considered, supporting technical literature, samples, drawings and performance data must be submitted in ten (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: Test Methods per AAMA 501-15

Air infiltration shall be tested in accordance with ASTM E 283 infiltration shall not exceed 0.06 CFM per square foot of fixed area. Water infiltration shall be tested in accordance with ASTM E 331. No water penetration at test pressure equal to 10% of the windload, but not less than 2.86 PSF. (AAMA 1.07.6.F) Uniform deflection shall be tested in accordance with ASTM E 330. Structural performance shall be used on:

\*Maximum deflection to 1/175 of the span and...

\* Allowable stress with a safety factor of 1.65.

The system shall perform to these criteria under a windload of (Specify) \_\_\_\_\_ PSF.

#### II. PRODUCTS:

##### MATERIALS

Extrusions shall be 6063-T5 alloy and temper (ASTM B221 alloy G.S.10A-T5). 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 EPDM OR PVC extrusions. Single acting entrance frames shall include a pile weather-strip which will also provide a cushioning effect.

##### FINISH

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

...an Architectural Dark Bronze Class 2 anodic coating with color conforming to Aluminum Association Standard AA-M10 C22 A31, 0.4 Mil thick.

...an Architectural 204-R1 Anodic coating conforming to Aluminum Association Standard AA-M10 C22 A31, 0.4 Mil thick.

##### FABRICATION

The framing system shall provide for flush glazing on all sides with no projecting stops. Vertical and horizontal framing members shall have a nominal face dimension of 2". Overall depth shall be 4-1/2" with a 1-3/8" glass pocket width. Entrance framing members shall be compatible with glass framing in appearance.

#### II. 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. Entrance frames shall include a pile weather-strip which will also provide a cushioning effect.









##### PROTECTION AND CLEANING

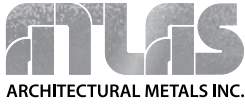
After installation, the General Contractor shall adequately protect exposed portions of aluminum surfaces from damage by grinding and polishing compounds, plaster, lime, acid, cement, or other contaminants. The General Contractor shall be responsible for final cleaning.



## 2000T Series

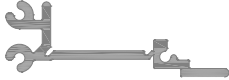

### 4 -1/2" Flush Glaze 1" Pocket (Thermal)

ITEM	DESCRIPTION	STOCK LENGHT	FINISH		
 2000T	4-1/2" X 2" JAMB(VERTICAL) MATES WITH 1006, 2005T, 2007, 2008	24' - 1"	CLEAR	BRONZE	BLACK
 2001T	4-1/2" X 2" HEADER (HORIZONTAL TOP) MATES WITH 1006, 2005T, 2007, 2008	24' - 1"	CLEAR	BRONZE	BLACK
 2002T	2 X 4-1/2" INTERMEDIATE (HORIZONTAL) MATES WITH 2004, 2007, 2008	24' - 1"	CLEAR	BRONZE	BLACK
 2003T	4-1/2" X 2" SILL (HORIZONTAL BASE) MATES WITH 1006, 2004, 2005T, 2007	24' - 1"	CLEAR	BRONZE	BLACK
 2005T	POCKET FILLER MATES WITH 2000T, 2001T, 2003T, 2007	24' - 1"	CLEAR	BRONZE	BLACK
 1011T	SILL FLASHING	24' - 1"	CLEAR	BRONZE	BLACK
 1006T	LANCED FLAT FILLER MATES WITH 2000, 2001, 2003 2000T, 2001T, 2003T	24' - 1"	CLEAR	BRONZE	BLACK
 2014	HOLLOW MULLION ( THIS ITEM IS NON-THERMAL)	24' - 1"	CLEAR	BRONZE	BLACK

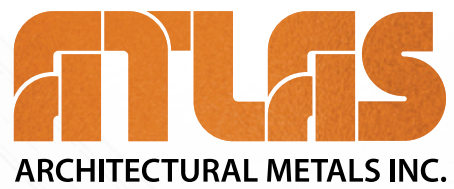


**Accessories**

(1000 Series & 2000 Series)

ITEM	DESCRIPTION	STOCK LENGHT	FINISH	
 8733	2000S SHEAR BLOCK	24'-0"	MILL	
 8826	1-3/8" x 1" x 1/8"w CHANNEL (WITH 1-1/8" OPENING)	24'-0"	CLEAR	BRONZE

ITEM	DESCRIPTION	QUANTITY	PART No.	FINISH
	FLUSH GLAZE (ROLL)	250'	9100XXRX	BLACK
	FLUSH GLAZE FOR 3/8" (ROLL)	250'	9101XXRX	BLACK
	FLUSH GLAZE FOR 3/8" (FT.)	1'	9101XXRX	BLACK
	DOOR STOP PILE (FT.)	1'	9101XXRX	BLACK
	1/4" SETTING BLOCK (50pcs)	2"	9101XXRX	BLACK
	1" SETTING BLOCK (50pcs)	3"	9101XXRX	BLACK
	HX WASH SLOT SMS ZINC #10X1	100 PIECES	9101XXRX	BLACK



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