



ARCHITECTURAL METALS INC.

2024

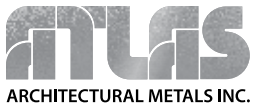


THE SYMBOL  
OF SERVICE

STOREFRONT • HURRICANE RESISTANT • CURTAINWALL  
ENTRANCES • MALL SLIDERS • DRYWALL

11940 Brittmoore Park Dr. Houston, TX 77041  
P: 713-869-9551 F: 713-869-4254  
[atlasarchmetals.com](http://atlasarchmetals.com)





STOREFRONT • HURRICANE RESISTANT • CURTAINWALL  
ENTRANCES • MALL SLIDERS • DRYWALL



## Over 20 years experience in the industry

Our knowledgeable sales staff and manufacturing team have the experience needed to help you analyze your needs from start to finish, with quality being our number one priority. With the quickest lead time in the industry, Atlas Architectural Metals is using state of the art machinery for all types of fabricating. All of our custom doors, frames and in stock products have precision cuts to specifications.



### 1-3/4" x 4-1/2" STOREFRONT (1000 Series):

Our quality screw splined 1000 storefront system meets the test specifications of AAMA501-15, AAMA501.1, ASTM-E283 and ASTM-E230. Stylish, yet sturdy, our 1000 series is adaptable to 1/4", 3/8" and 1/2" glazing for all your complex projects.

### 2" x 4-1/2" STOREFRONT (2000 Series):

The center-set screw spline system is perfect for commercial applications that seek the efficiency of insulated 1" glazing. In accordance with the AAMA and ASTM testing methods our 2000 series is available in thermal and non-thermal. Adapter gasket available for 1/4" and 3/8" glazing.





**2-1/2" x 5" Hurricane Resistant (HD500 Series):**

A durable hurricane system designed for 1-5/16" AND 9/16" glazing, with up to a 10'-0" tall span that meets the Miami Dade County requirements.

This center-set screw spline system with accordance with the AAMA and ASTM testing, is also available in a Lanced Thermal and easy to complete those complex projects due to the reduced components that allows flexibility.



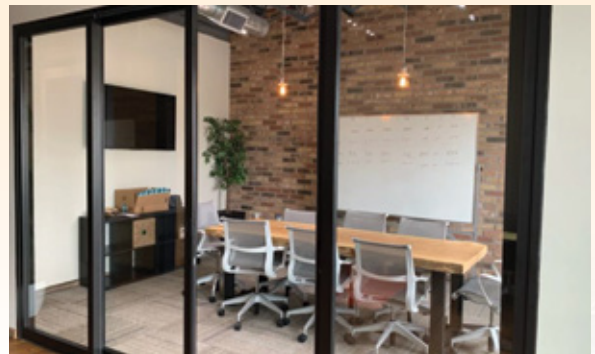
**2-1/2" x 7" Curtain Wall (7000 Series):**

This high performance pressure plate stick system is designed to meet rigid ASTM standards for water, air infiltration and structural performance.

With a shear block assembly, this system will take 1/4" and 1" glazing.

**760 Mall Sliders:**

A classic design to give you a timeless look for your interior needs. For glazing thickness of 1/4", 3/16", 1/2", 9/16" and 1"



**Dry wall:**

- End Cap
- Head Track
- Dummy Trim & Clip
- Reveal & Trim
- Flush
- Splice Plate
- Roll Pin



### Shear

10 GA. x 12'ft. capacity  
Shear capacity up to 80,000  
tensile & 44,000 yield strength.  
4-Edge blades, top and bottom,  
modified high carbon, high  
chrome.

### Sheets in stock

Black: .040" and .063"  
Bronze: .040" and .063"  
Clear: .040" and .063"  
Mill: .040" and .063"

*\* Other colors and gauge sizes  
available upon request \**



### Press

130 Ton  
14'ft. Bed length  
Our dedicated tooling specialist  
will work with you to engineer  
the ideal solution for your special  
forming requirements.



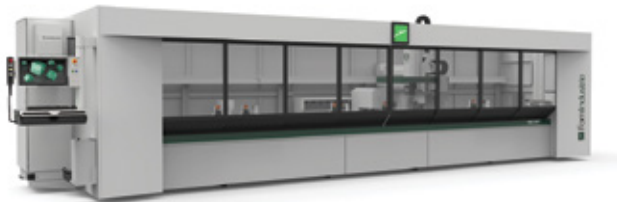
### CNC Router

3 Controlled Axis  
Axis rotation along axis "A"  
Angle cuts to any degree +/- 1°  
Designed for aluminum  
and steel up to 2mm thick.



### Saw

Miter cuts to length  
lineals cut down  
customers request.



Fully automated processing center with  
4 interpolating axes for the machining on 3  
faces of aluminum profiles with cross-section  
of 250mmx270mm and steel tubes up to  
3mm thick.



### Custom fabrication

- Welding
- CNC milling
- Assembly work
- Drilling & Tapping
- Miter cuts to length



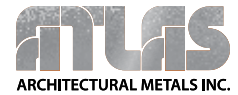
713-869-9551  
11940 Brittonmoore Park DR.  
HOUSTON, TX. 77041  
www.atlasarchmetals.com





# Conversion tables

## Measurements made simple



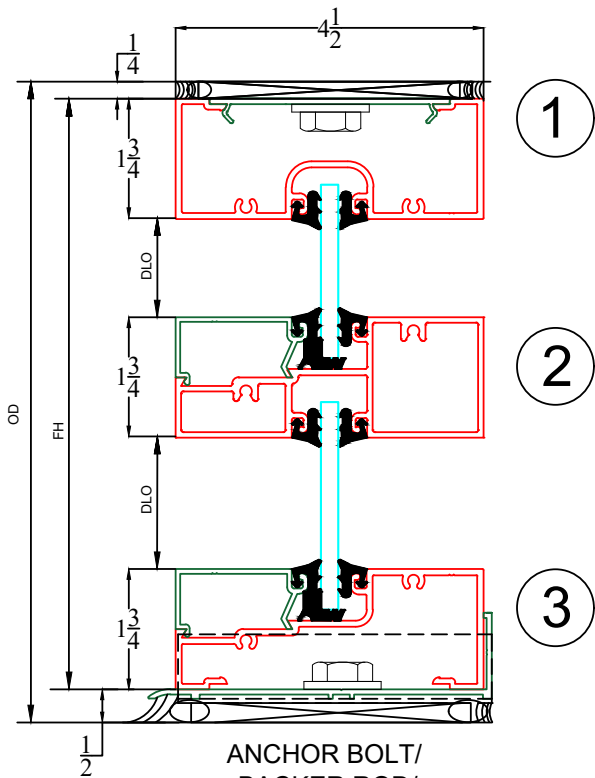
Atlas Architectural Metals would like to provide a range of different charts to help you to convert from one unit of measurement to another. Aluminum extrusions are routinely produced with dimensions accurate within hundredths or thousandths of an inch. Specification requires fractional calculations and four to five digit decimal point numbers conversions. Because of these important considerations, we want to give you the opportunity to be accurate and precise.

Fractional	Decimal	Metric (MM)	Fractional	Decimal	Metric (MM)	Fractional	Decimal	Metric (MM)
0/64	0.0000	0.0000	17/64	0.2656	6.7469	45/64	0.7031	17.8594
-	0.0039	0.1000	-	0.2756	7.0000	-	0.7087	18.0000
-	0.0079	0.2000	9/32	0.2813	7.1438	23/32	0.7188	18.2563
-	0.0118	0.3000	-	0.2953	7.5000	-	0.7283	18.5000
1/64	0.0156	0.3969	19/64	0.2969	7.5406	47/64	0.7344	18.6531
-	0.0157	0.4000	5/16	0.3125	7.9375	-	0.7480	19.0000
-	0.0197	0.5000	-	0.3150	8.0000	3/4	0.7500	19.0500
-	0.0236	0.6000	21/64	0.3281	8.3344	49/64	0.7656	19.4469
-	0.0276	0.7000	-	0.3346	8.5000	-	0.7677	19.5000
1/32	0.0313	0.7938	11/32	0.3438	8.7313	25/32	0.7813	19.8438
-	0.0315	0.8000	-	0.3543	9.0000	-	0.7874	20.0000
-	0.0354	0.9000	23/64	0.3594	9.1281	51/64	0.7969	20.2406
-	0.0394	1.0000	-	0.3740	9.5000	-	0.8071	20.5000
-	0.0433	1.1000	3/8	0.3750	9.5250	13/16	0.8125	20.6375
3/64	0.0469	1.1906	25/64	0.3906	9.9219	-	0.8268	21.0000
-	0.0472	1.2000	-	0.3937	10.0000	53/64	0.8281	21.0344
-	0.0512	1.3000	13/32	0.4063	10.3188	27/32	0.8438	21.4313
-	0.0551	1.4000	-	0.4134	10.5000	-	0.8465	21.5000
-	0.0791	1.5000	27/64	0.4219	10.7156	55/64	0.8594	21.8281
1/16	0.0625	1.5875	-	0.4331	11.0000	-	0.8661	22.0000
-	0.0630	1.6000	7/16	0.4375	11.1125	7/8	0.8750	22.2250
-	0.0669	1.7000	-	0.4528	11.5000	-	0.8858	22.5000
-	0.0709	1.8000	29/64	0.4531	11.5094	57/64	.89063	22.6219
-	0.0748	1.9000	15/32	0.4688	11.9063	-	.9055	23.0000
5/64	0.0781	1.9844	-	0.4724	12.0000	29/32	.90625	23.0188
-	0.0787	2.0000	31/64	0.4844	12.3031	59/64	.92188	23.4156
-	0.0827	2.1000	-	0.4921	12.5000	-	.9252	23.5000
-	0.0866	2.2000	1/2	0.5000	12.7000	15/16	.93750	23.8125
-	0.0906	2.3000	-	0.5118	13.0000	-	.9449	24.0000
3/32	0.0938	2.3813	33/64	0.5156	13.0969	61/64	.95313	24.2094
-	0.0945	2.4000	17/32	0.5313	13.4938	-	.9646	24.5000
-	0.0984	2.5000	-	0.5315	13.5000	31/32	.96875	24.6063
7/64	0.1094	2.7781	35/64	0.5469	13.8906	-	1.000	25.40
-	0.1181	3.0000	-	0.5512	14.0000	-	1.0039	25.5000
1/8	0.1250	3.1750	9/16	0.5625	14.2875	-	1.0236	26.0000
-	0.1378	3.5000	-	0.5709	14.5000	-	1.0433	26.5000
9/64	0.1406	3.5719	37/64	0.5781	14.6844	-	1.0630	27.0000
5/32	0.1563	3.9688	-	0.5906	15.0000	-	1.0827	27.5000
-	0.1575	4.0000	19/32	0.5938	15.0813	-	1.1024	28.0000
11/64	0.1719	4.5000	39/64	0.6094	15.4781	-	1.1220	28.5000
-	0.1772	4.5000	-	0.6102	15.5000	-	1.1417	29.0000
3/16	0.1875	4.7625	5/8	0.6250	15.8750	-	1.1614	29.5000
-	0.1969	5.0000	-	0.6299	16.0000	-	1.1811	30.0000
13/64	0.2031	5.1594	41/64	0.6406	16.2719	-	1.2205	31.0000
-	0.2165	5.5000	-	0.6496	16.5000	-	1.2500	31.7500
7/32	0.2188	5.5563	21/32	0.6563	16.6688	-	1.2598	32.0000
15/64	0.2344	5.9531	-	0.6693	17.0000	-	1.2992	33.0000
-	0.2362	6.0000	43/64	0.6719	17.0656	-	1.3386	34.0000
1/4	0.2500	6.3500	11/16	0.6875	17.4625			
-	0.2559	6.5000	-	0.6890	17.5000			

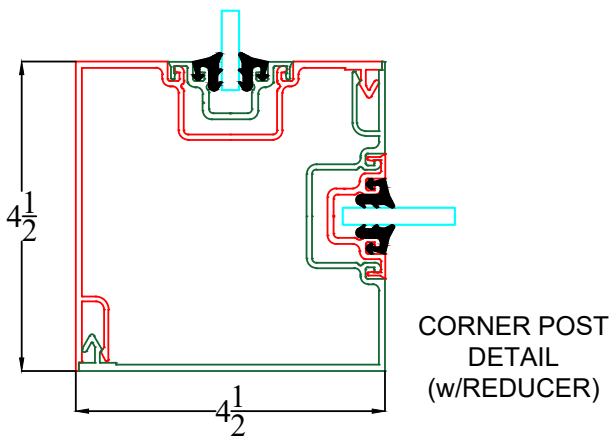
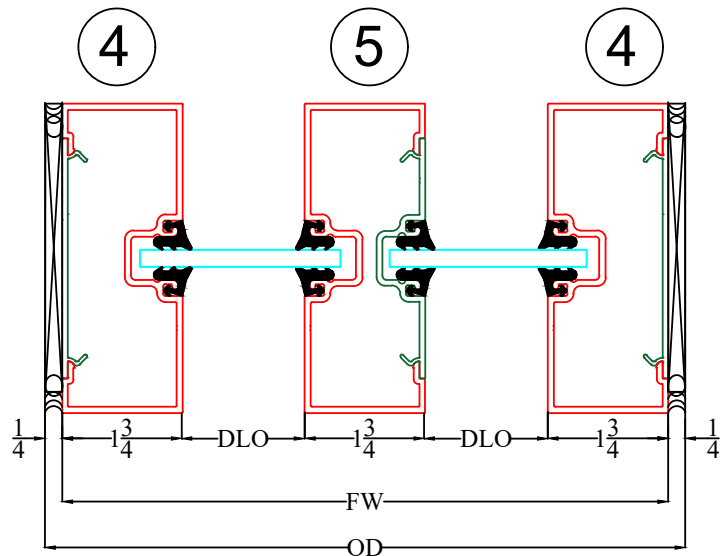
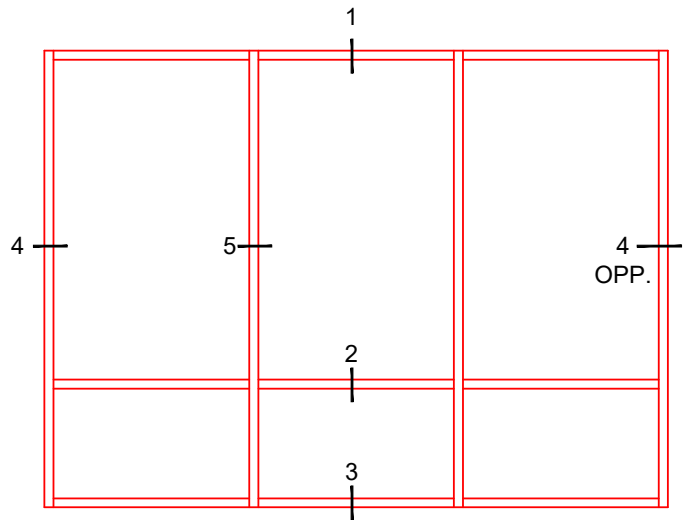
713.869.9551

**1-3/4" x 4-1/2" 1000 Series System**

**(1/4" Glazing)**



ANCHOR BOLT/  
BACKER ROD/  
SEALANT AND  
SHIMS BY OTHERS.

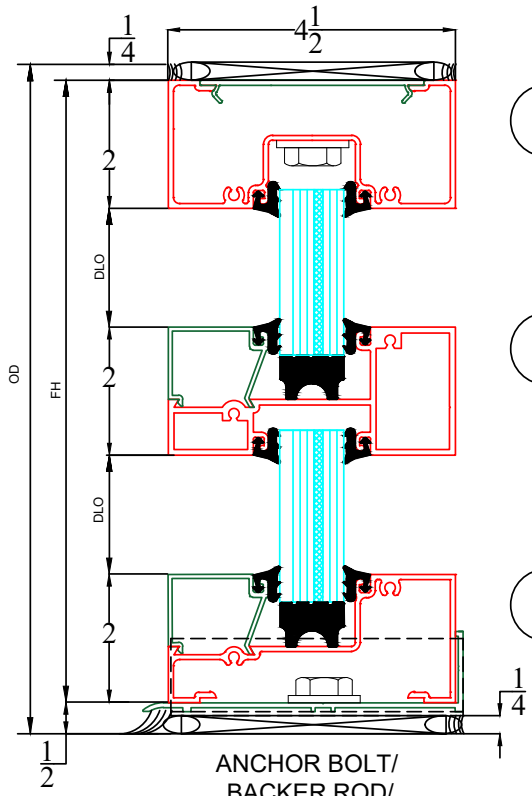


CORNER POST  
DETAIL  
(w/REDUCER)

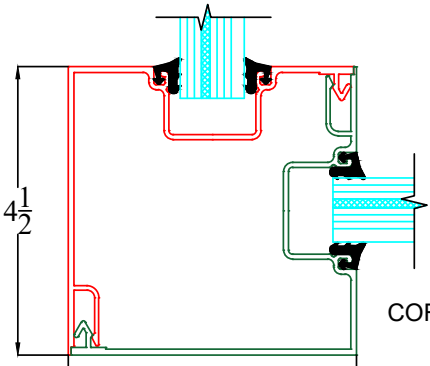


**2" x 4-1/2" 2000 Series System**

**(1" Glazing)**

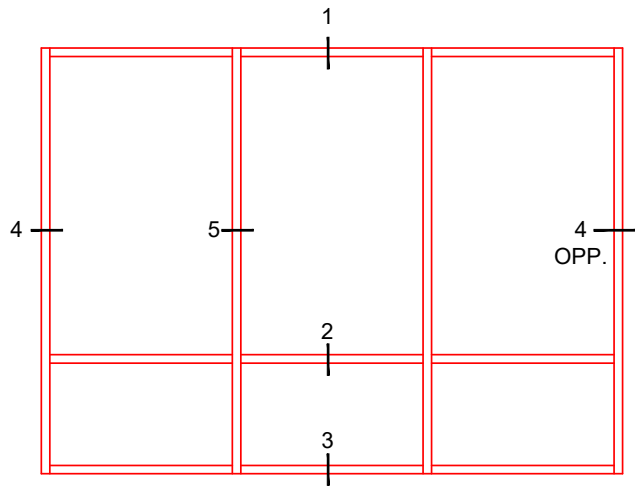


ANCHOR BOLT/  
BACKER ROD/  
SEALANT AND  
SHIMS BY OTHERS.



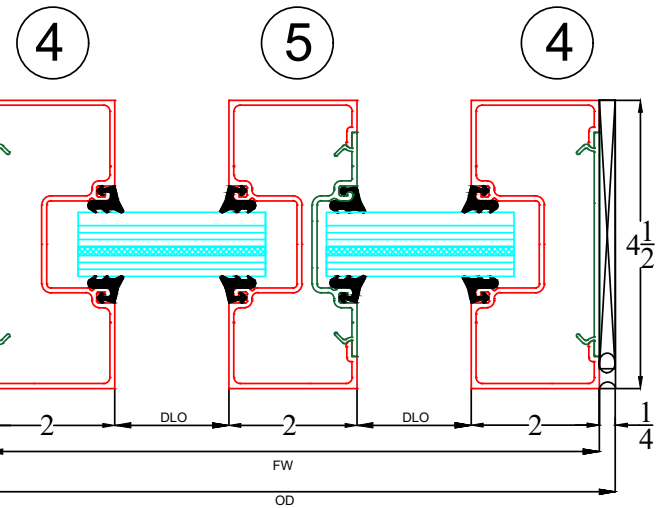
CORNER POST  
DETAIL

1



2

3



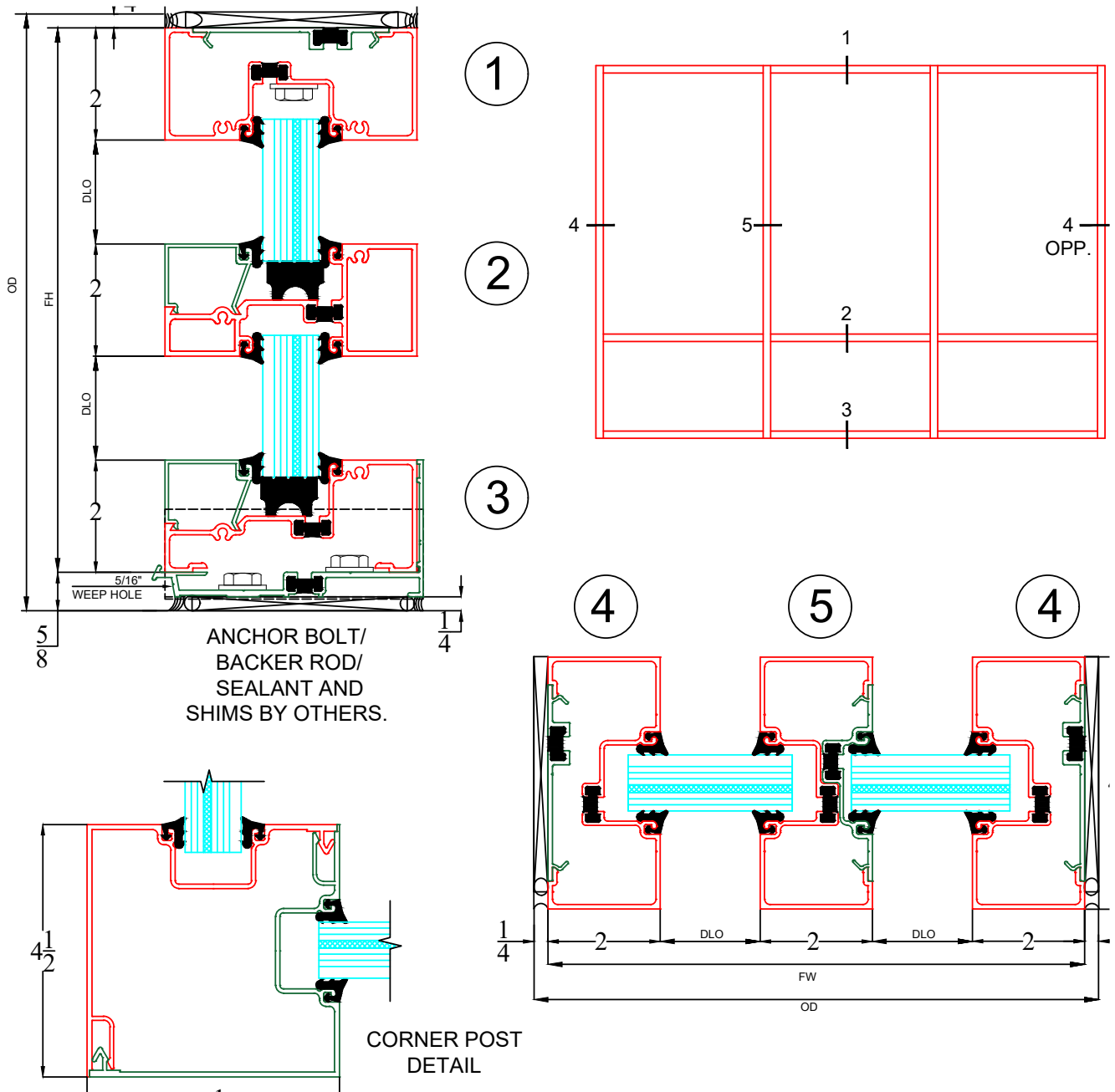
4

5

4

**2" x 4-1/2" 200T Series System**

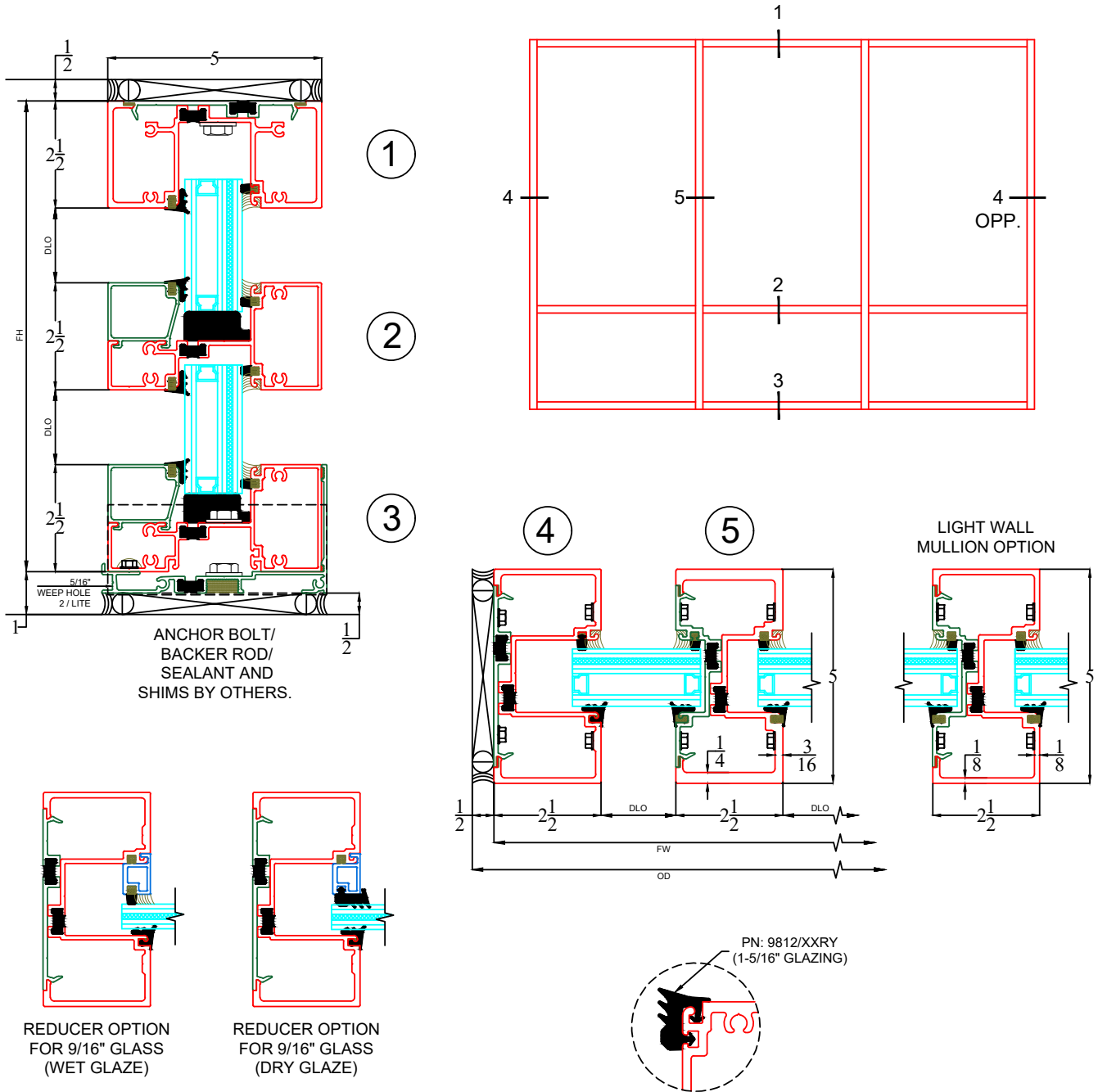
**(1" glazing, Thermal)**





**2-1/2" x 5" HD500 Hurricane System**

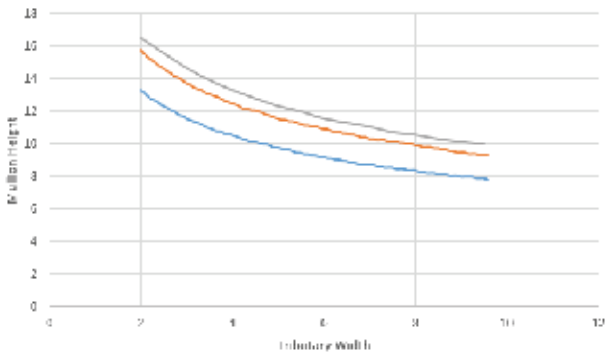
**(1-5/16" & 9/16" Glazing, Thermal)**



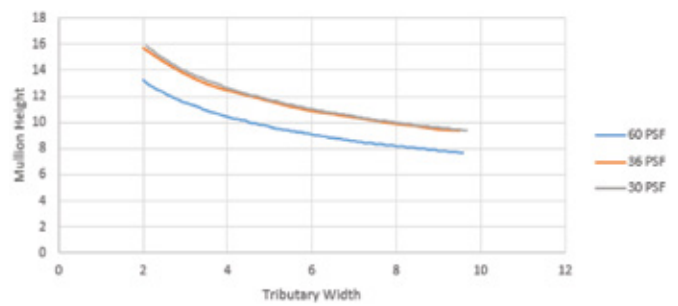
**2-1/2" x 5" - H500 Series**



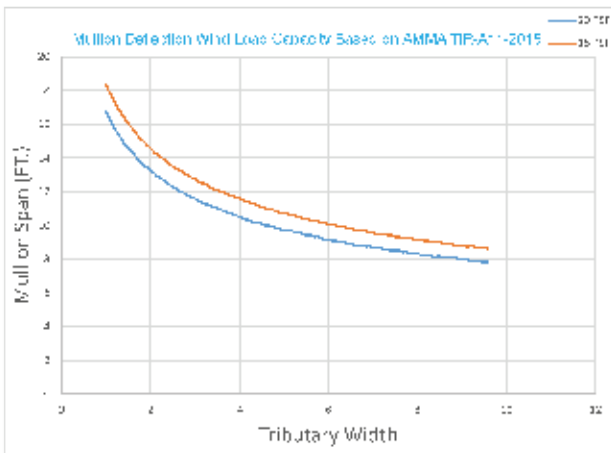
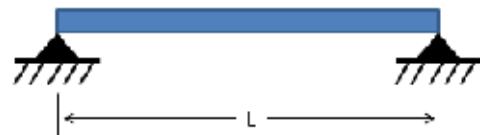
Tributary width versus Mullion height non-thermally broken system



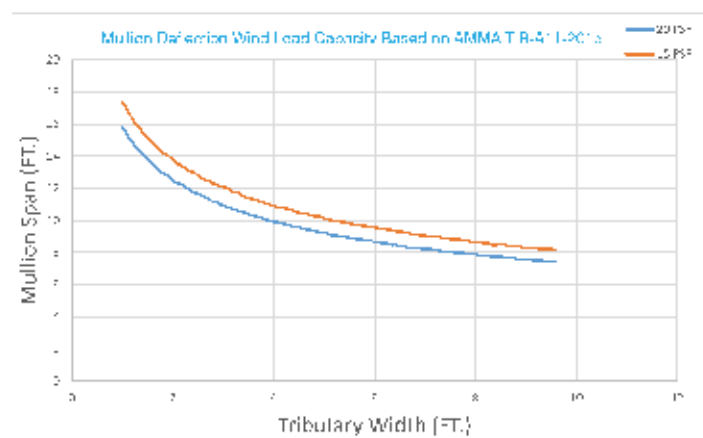
Tributary width versus Mullion height thermally broken system



**2" x 4-1/2" 2000-T Series**



Tributary width versus Mullion height non-thermally broken system



Tributary width versus Mullion height thermally broken system

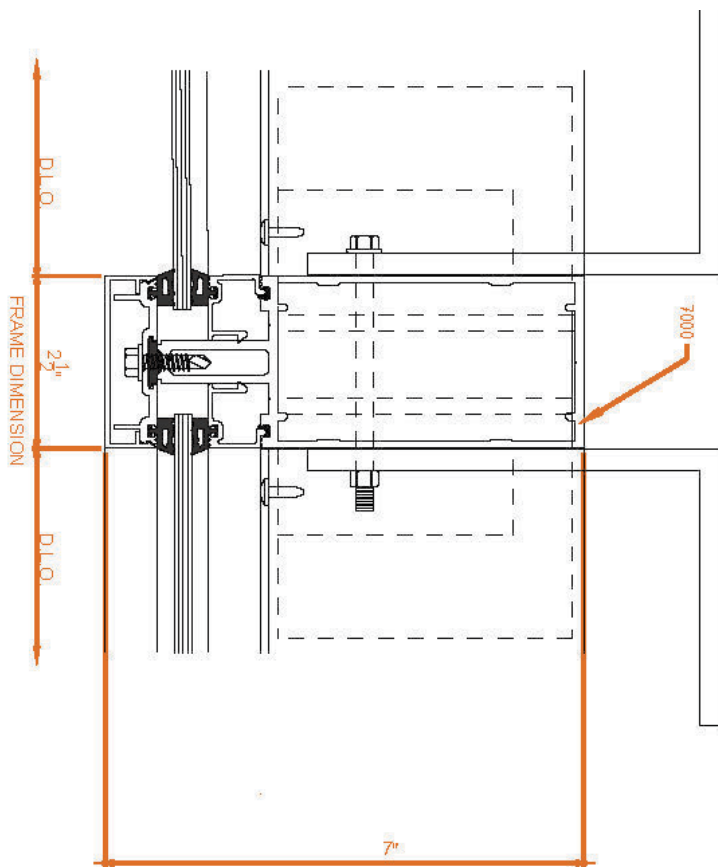


## 7000 Series - Curtain Wall

This high performance pressure plate stick system is designed to offer excellent thermal performance to keep your building more comfortable and energy efficient.

Our dry glazed application offers a reliable and consistent seal from outside wind and water.

All Atlas curtain walls are tested to meet rigid ASTM standards for water, air infiltration and structural performance. Certificate test reports are available upon request.



### Test specifications / Method

AAMA 501-05

ASTM E 330-02

ASTM E 283-04

ASTM E 331-020

ASTM E 501.1-05

Finishes available:

Class I Anodize  
Class II Anodize  
2604/2605 Paint

Sight profile:

2-1/2"

System depth:

7 1/2"

Glazing thickness:

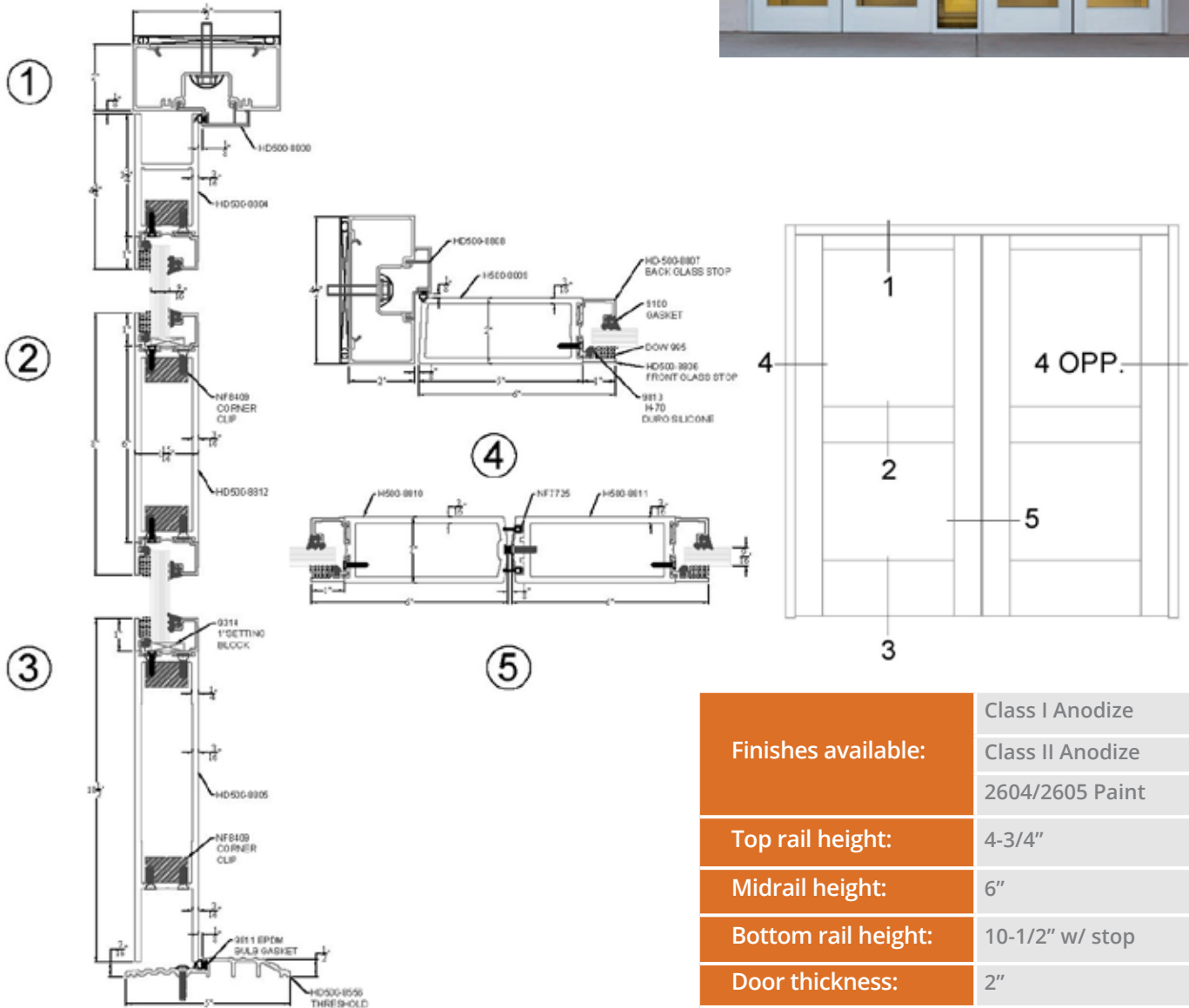
1/4" / 1"

Assembly type:

Shear Block

## 2" HW500 Series Heavy Duty Wide Stile Doors

This heavy-duty system has been designed specifically for security and heavy traffic entrances. Ideal for Schools, churches or municipal applications, our doors are built to last. Our robust glass infills include 9/16" and 1" for heavy abuse or impact.



Finishes available:	Class I Anodize
	Class II Anodize
	2604/2605 Paint
Top rail height:	4-3/4"
Midrail height:	6"
Bottom rail height:	10-1/2" w/ stop
Door thickness:	2"
Glazing thickness:	9/16", 1"



## Custom 760 Mall Slider

The Atlas 760 Slider is a classic design sure to give a timeless look to your contemporary interior design. Atlas doors are designed and fabricated to fit your opening according to your exact specifications.

Using precise CNC machinery, we offer quality doors that are on par with our more expensive competitors but also affordable for the consumer.



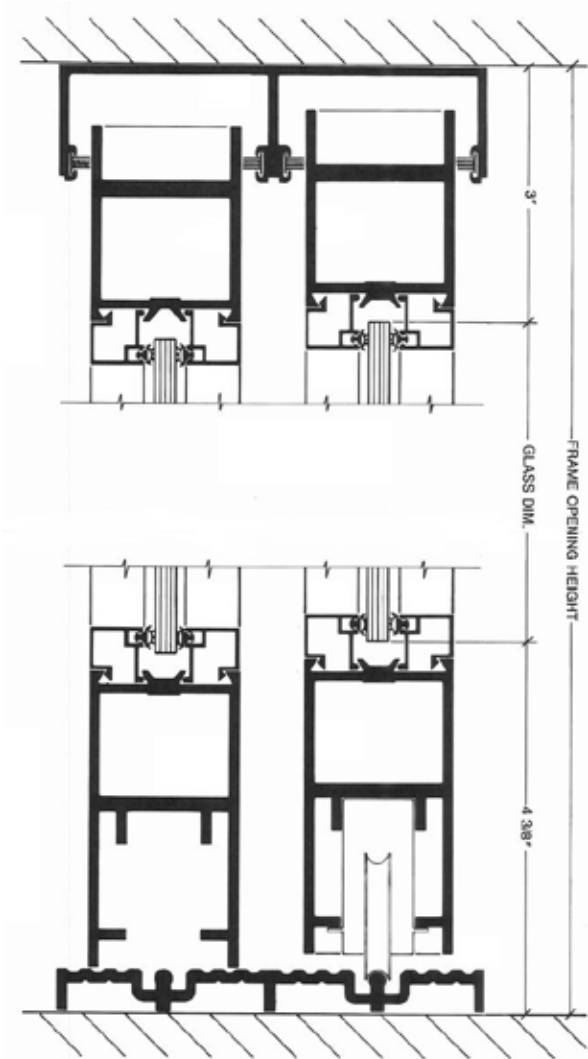
2 – TRACK (OX)



2 – TRACK (OXO)



2 – TRACK (XXXX)



Finishes available:	Bronze Anodize
	Clear Anodize
	Powder Coat
	Black Anodized
Top rail height:	2" / 2.125"
Mid rail height:	2.25"
Bottom rail height:	3.5"
Door thickness:	1.75"
Glazing thickness:	1/4", 3/16", 1/2", 9/16", 1"

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**QUOTATIONS** Written and verbal quotations will remain open for customer acceptance and order placement over a 30 day period. After 30 days, the quotations are subject to price adjustment.

**ORDER ACCEPTANCE** All orders are subject to approval by a duly authorized representative.

**TERMS** A cash discount of 1% is offered for invoices paid within 10 days from date of invoice. Payment of all invoices is due within 30 days of invoice. No cash discount is allowable on C.O.D. payments or where past due payments remain unpaid. Title to all materials sold shall pass to the purchaser on delivery to warehouse.

**CANCELLATIONS & RETURNED GOODS** Cancellation of custom work will not be accepted without charge for labor, material & related expenses. Cancellation and return of stock items may be made with authorization by a company representative. If material is received in a saleable condition, credit will be allowable based on sale price less 25% restocking and handling charge. On all returned items, freight must be paid by buyer.

**CLAIMS** Purchaser shall upon receipt of materials, immediately check for shortages, damages or improper material and report to us within 30 days. Failure to notify shall relieve ATLAS of any claim for such conditions.

**HARDWARE** - Hardware furnished by others must be in our plant before a job is placed in production. The use of only templates for preparation of hardware is unacceptable and ATLAS will not be responsible for the accuracy of work which is performed in this manner. Expediting hardware will be the responsibility of the purchaser.

**ILLUSTRATIONS** The illustrations used within this catalog are for identification only, and do not represent size or proportions by comparison.

**MINIMUM ORDER: \$100.00 NET.**

**DISCREPANCY** If there is a discrepancy between the index and the body of the price catalog, the information in the body of the catalog will take precedence.

**FORCE MAJEURE** ATLAS shall not be liable for delays or inability to perform due to strikes, fire, flood, war, declared or undeclared, insurrections, riots, acts of God, embargoes by foreign nations, inability to obtain materials, shortages of power needed to operate plants, governmental regulations or priorities or any other cause beyond the control of ATLAS. In the case of delays caused by any of the above, ATLAS reserves the right, at its discretion, to schedule orders based on available capacity, or to cancel, with written notice, orders that it believes will not be available by scheduled completion dates.

## **LIMITED WARRANTY AND REMEDY**

**ATLAS** warrants to its customers and all subsequent purchasers, that its products shall be free from defects in materials and workmanship for a period of one year from shipment provided they are installed and maintained according to Atlas' instructions. This warranty shall not include items, such as hardware, purchased by **ATLAS** from others for resale. Hardware warranties shall be those provided by the various hardware suppliers.

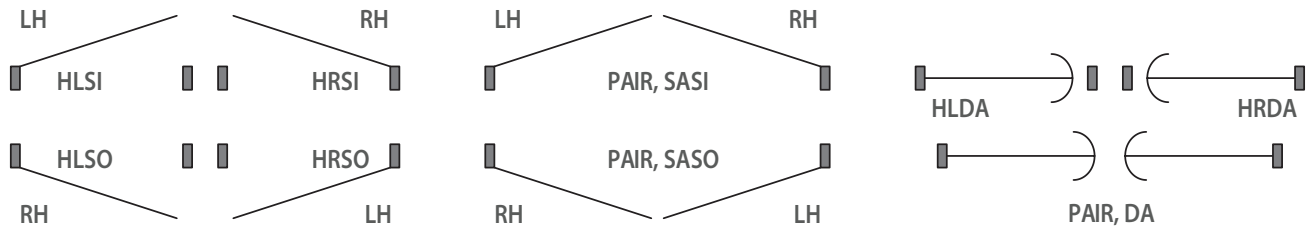
The sole and exclusive remedy with respect to the above warranty or with respect to any other claim relating to defects or any other condition or use of the products supplied by **ATLAS**, however caused, and whether such claim is based upon warranty, contract negligence, strict liability or any other theory, is limited to repair or supply of such products or repayment by **ATLAS** of the purchase price paid to it, at Atlas' option:

**ATLAS** does not make any other representations or warranties, express or implied, including, but not limited to, any implied warranty of merchantability and any implied warranty of fitness for a particular purpose, in no event shall atlas be liable for special, direct, indirect, or consequential damages, including but not limited to loss of use or profits.

Entrance Packages: All units shown in this section are stock items available for prompt shipment. No modifications will be made to these units before shipment. Custom inquiries available.

### SWING DESIGNATIONS:

**Entrance Door Hanging Standards**  
(Hanging doors must be specified as viewed from outside).



#### OFFSET HUNG

HL HINGED LEFT  
HR HINGED RIGHT  
SI SWING IN  
SO SWING OUT

#### OFFSET HUNG

HLSI HINGED LEFT SWING IN  
HRSI HINGED RIGHT SWING IN  
HLSO HINGED LEFT SWING OUT  
HRSO HINGED RIGHT SWING OUT

#### CENTER HUNG

HL HINGED LEFT  
HR HINGED RIGHT  
SI SWING IN  
SO SWING OUT

**GLASS SIZE FOR 3/16"**

Door Opening Size <b>3'0" X 7'0"</b>	Glass Size <b>31-1/8" X 77-1/4"</b>
---	--

Finish: ATLAS standard in a clear finish is an architectural class ii anodic coating conforming to the aluminum association standard AA-M12 C22 A31, and in a Dark Bronze finish is an Architectural Class II Anodic coating conforming to The Aluminum Association Standard AA-M12 C22 A42/44. Other anodic coatings or painted finishes are also available upon inquiry.



**GENERAL:**

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

**MATERIAL:**

All sections of doors and frames shall be extruded members having the properties of Architectural Alloy 6063-T5, screws shall be of plated steel, aluminum or dull chrome plated brass or bronze.

**FINISH:**

All exposed surfaces shall be free of scratches and other serious blemishes. Aluminum moldings shall 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 A34, .4 Mill coating.
- ...an Architectural 204-R1 anodic coating conforming to Aluminum Association Standard AA-M10 C22 A31 .4 Mill coating.

**HARDWARE:**

All stock doors shall have standard hardware furnished by the door manufacture. Special hardware for custom built doors and special entrances shall be specified by the architect. Hardware furnished by others shall be sent to the door manufacturer for application.

**FABRICATION:**

Doors shall have 2-1/8" vertical stiles, 2-19/64" top rails, 3-17/64" bottom rails with wall thickness of 1/8". Corners shall have hairline joints and be fastened with mechanical fasteners.

At the meeting stile on all pairs a double row of wool pile weathering, uninterrupted by hardware, shall be inserted into a full length adjustable astragal that is attached to the active door leaf.

All doors shall have an adjustable glass setting block in the top rail.

Frames shall be extruded sections with size depending upon the strength of construction required. When door stops are used, they shall include a pile weather-strip which will also provide a cushioning effect.

Glazing members on doors and frames shall be of such design that they are snapped in, eliminating the use of exposed screws. The minimum wall thickness shall not be less than .050". The glazing on both sides of glass shall receive a vinyl glazing bead or equivalent.

**ERECTION:** All openings shall be prepared plumb and square by others. Doors and frames shall be installed in the opening plumb and in true alignment.

**GENERAL:**

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

**MATERIAL:**

All sections of doors and frames shall be extruded members having the properties of Architectural Alloy 6063-T5, screws shall be of plated steel, aluminum or dull chrome plated brass or bronze.

**FINISH:**

All exposed surfaces shall be free of scratches and other serious blemishes. Aluminum moldings shall 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 A34, .4 Mill coating.

...an Architectural 204-R1 anodic coating conforming to Aluminum Association Standard AA-M10 C22 A31 .4 Mill coating.

**HARDWARE:**

All stock doors shall have standard hardware furnished by the door manufacture. Special hardware for custom built doors and special entrances shall be specified by the architect. Hardware furnished by others shall be sent to the door manufacturer for application.

**FABRICATION:**

Doors shall have 3-3/4" vertical stiles, 3-3/4" top rails, 6" bottom rails with wall thickness of 1/8". Corners shall have hairline joints and be fastened with mechanical fasteners.

At the meeting stile on all pairs a double row of wool pile weathering, uninterrupted by hardware, shall be inserted into a full length adjustable astragal that is attached to the active door leaf.

All doors shall have an adjustable glass setting block in the top rail.

Frames shall be extruded sections with size depending upon the strength of construction required. When door stops are used, they shall include a pile weather-strip which will also provide a cushioning effect.

Glazing members on doors and frames shall be of such design that they are snapped in, eliminating the use of exposed screws. The minimum wall thickness shall not be less than .050". The glazing on both sides of glass shall receive a vinyl glazing bead or equivalent.

**ERECTION:** All openings shall be prepared plumb and square by others. Doors and frames shall be installed in the opening plumb and in true alignment.

**GENERAL:**

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

**MATERIAL:**

All sections of doors and frames shall be extruded members having the properties of Architectural Alloy 6063-T5, screws shall be of plated steel, aluminum or dull chrome plated brass or bronze.

**FINISH:**

All exposed surfaces shall be free of scratches and other serious blemishes. Aluminum moldings shall 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 A34, .4 Mill coating.
- ...an Architectural 204-R1 anodic coating conforming to Aluminum Association Standard AA-M10 C22 A31 .4 Mill coating.

**HARDWARE:**

All stock doors shall have standard hardware furnished by the door manufacture. Special hardware for custom built doors and special entrances shall be specified by the architect. Hardware furnished by others shall be sent to the door manufacturer for application.

**FABRICATION:**

Doors shall have 5" vertical stiles, 3-3/4" top rails, 6 " bottom rails with wall thickness of 1/8". Corners shall have hairline joints and be fastened with mechanical fasteners. "Option" for 9 1/2" Bottom rail available.

At the meeting stile on all pairs a double row of wool pile weathering, uninterrupted by hardware, shall be inserted into a full length adjustable astragal that is attached to the active door leaf.

All doors shall have an adjustable glass setting block in the top rail.

Frames shall be extruded sections with size depending upon the strength of construction required. When door stops are used, they shall include a pile weather-strip which will also provide a cushioning effect.

Glazing members on doors and frames shall be of such design that they are snapped in, eliminating the use of exposed screws. The minimum wall thickness shall not be less than .050". The glazing on both sides of glass shall receive a vinyl glazing bead or equivalent.

**ERECTION:** All openings shall be prepared plumb and square by others. Doors and frames shall be installed in the opening plumb and in true alignment.

#### GENERAL:

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

#### MATERIAL:

All sections of doors and frames shall be extruded members having the properties of Architectural Alloy 6063-T5, screws shall be of plated steel, aluminum or dull chrome plated brass or bronze.

#### FINISH:

All exposed surfaces shall be free of scratches and other serious blemishes. Aluminum moldings shall 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 A34, .4 Mill coating.

...an Architectural 204-R1 anodic coating conforming to Aluminum Association Standard AA-M10 C22 A31 .4 Mill coating.

#### HARDWARE:

All stock doors shall have standard hardware furnished by the door manufacture. Special hardware for custom built doors and special entrances shall be specified by the architect. Hardware furnished by others shall be sent to the door manufacturer for application.

#### FABRICATION:

Doors shall have 5" vertical stiles, 3-3/4" top rails, 9-1/2" bottom rails, 6" mid-rail with wall thickness of 3/16". Corners shall have hairline joints and be fastened with mechanical fasteners. "Dimensions given are without stops".

At the meeting stile on all pairs a double row of wool pile weathering, uninterrupted by hardware, shall be inserted into a full length adjustable astragal that is attached to the active door leaf.

All doors shall have an adjustable glass setting block in the top rail.

Frames shall be extruded sections with size depending upon the strength of construction required. When door stops are used, they shall include a pile weather-strip which will also provide a cushioning effect.

Glazing members on doors and frames shall be of such design that they are snapped in, eliminating the use of exposed screws. The minimum wall thickness shall not be less than .0125". The glazing on both sides of glass shall receive a vinyl glazing bead and wet glazed application on exterior. "Opton" for 1" will require wet glazed on both sides.

**ERECTION:** All openings shall be prepared plumb and square by others. Doors and frames shall be installed in the opening plumb and in true alignment.



## PART 1 GENERAL

### 1. DESCRIPTION:

**Work Included:** The glazing contractor shall furnish all necessary materials, labor and equipment for the complete installation of aluminum entrance, door, door frames and hardware as detailed on the drawings and specified herein.

**Work not Included:** Structural support of the framing system, wood framing, structural steel, masonry and final cleaning.

### 1.2 QUALITY ASSURANCE

When substitute products are to be considered, supporting technical literature, samples and drawings must be submitted ten (10) days prior to bid date in order to make a valid comparison of the products involved.

## PART 2 PRODUCT MATERIAL

### 2. GENERAL:

Door members shall be extruded architectural aluminum 6063-T5 alloy and temper. Major portions of all door sections, except glazing beads, shall be nominal 0.125 (3.2) inch. Screws, nuts, washers, bolts, rivets and other fastening devices shall be aluminum, stainless steel or other noncorrosive materials.

### 2.2 DOOR CONSTRUCTION

Door stiles and rails shall be tubular sections accurately joined at corners with heavy concealed reinforcement brackets secured with bolts, screws and adjustable bottom rail. Doors shall have snap in stops with E.P.D.M. glazing gasket on both sides of the glass. No exposed screws shall be permitted.

Butt hung door frame shall have weather-stripped door stops at jambs and header.

### 2.3 HARDWARE

If custom hardware is to be furnished by others, templates and physical hardware must be submitted prior to any fabrication. Doors shall be supplied prepped for butt hinges with back up plates installed.

One leaf of pair of doors will be prepped for strike plate with back up plate installed. Doors will be prepped for cylindrical or mortise latchet.

### 2.4 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.

## PART 3 EXECUTION INSTALLATION

### 3. DESCRIPTION:

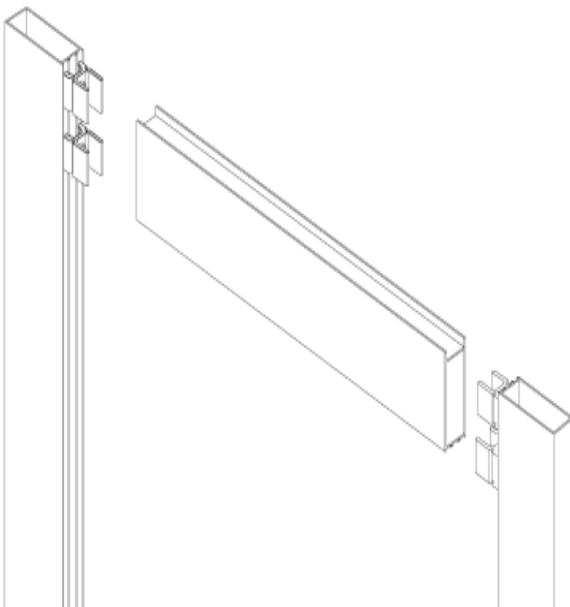
All items under this heading shall be set in their correct locations as shown in the details and shall be level, square, plumb and at proper elevation and in alignment with other work in accordance with the manufacturers installation instructions and approved shop drawings.

Upon completion of the installation of the entrances, its shall be the contractors responsibility to make all necessary final adjustments to attain normal operation of each door and its mechanical hardware.

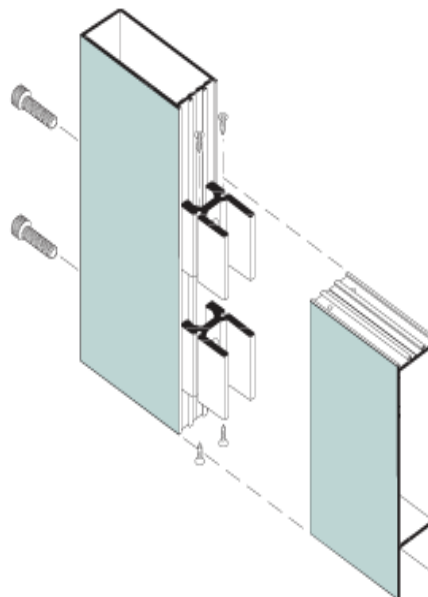
### 3.2 PROTECTION AND CLEANING

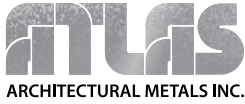
After installation the General Contractor shall adequately protect exposed portions of the aluminum entrance work from damage by grinding and polishing compounds, plaster, lime, acid, cement or other contaminant's. The General Contractor shall be responsible for final cleaning.

#### CORNER CONSTRUCTION

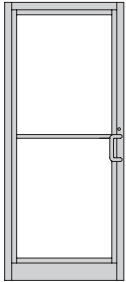
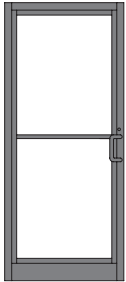
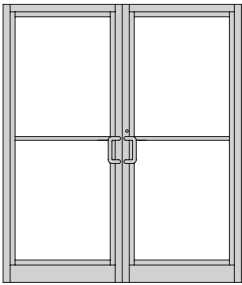
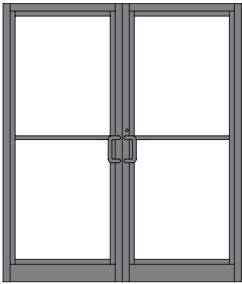


#### ADJUSTABLE ADA BOTTOM RAIL

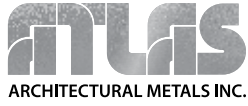




<b>Narrow Stile</b>
---------------------

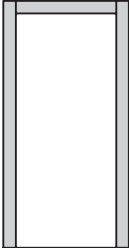
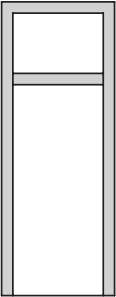
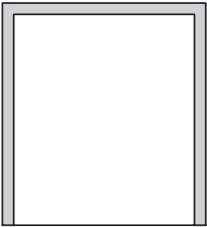
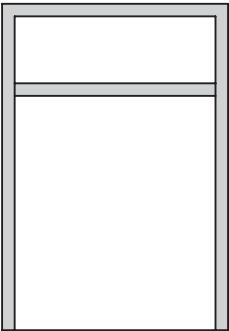
ITEM	SIZE	FINISH	HAND	INV. NUMBER
	3'-0" x 7'-0"	CLEAR	RIGHT	5000CXR
			LEFT	5000CLX
	3'-0" x 7'-0"	BRONZE	RIGHT	5000BXR
			LEFT	5000BLX
	6'-0" x 7'-0"	CLEAR	INACTIVE DOOR ONLY	5001CXIX
			ACTIVE DOOR ONLY	5001CXAX
	6'-0" x 7'-0"	BRONZE	INACTIVE DOOR ONLY	5001BXIX
			ACTIVE DOOR ONLY	5001BXAX

(Note: All doors prepped and provide: ms 1850 lock, std offset pivots, wire push and pull open- for 3/16" glass)



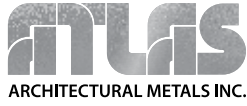
<b>Stock Frames</b>
<b>1-3/4" X 4-1/2"</b>

**1-3/4" x 4-1/2" STOCK FRAMES**

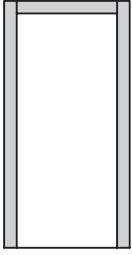
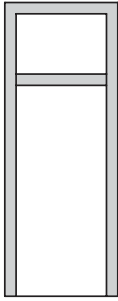
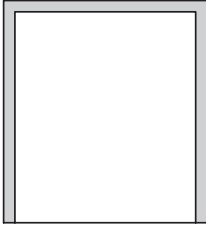
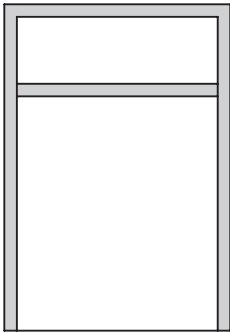
ITEM	SIZE	FINISH	HAND	INV. NUMBER
	3'-0" x 7'-0" (NON TRANSOM)	CLEAR	RIGHT	5100CXR
		BRONZE	RIGHT	5100BXR
		CLEAR	LEFT	5100CXL
		BRONZE	LEFT	5100BXL
	3'-0" x 7' -0" (TRANSOM UP TO 10'-6")	CLEAR	RIGHT	5101CXR
		BRONZE	RIGHT	5101BXR
		CLEAR	LEFT	5101CXL
		BRONZE	LEFT	5101BXL
	6'-0" x 7'-0" (NON TRANSOM)	CLEAR	PAIR	5102CXX
		BRONZE	PAIR	5102BXX
	6'-0" x 7' -0" (TRANSOM UP TO 10'-6")	CLEAR	PAIR	5103CXX
		BRONZE	PAIR	5103BXX

(Note: All frames prepped only for std offset pivot and lock cutout)





**Stock Frames (Right & Left)**  
2" X 4-1/2"

ITEM	SIZE	FINISH	HAND	INV. NUMBER
	3'-0" x 7'-0" (NON TRANSOM)	CLEAR	RIGHT	5104CXRX
		BRONZE	RIGHT	5104BXRX
		CLEAR	LEFT	5104CXLX
		BRONZE	LEFT	5104BXLX
	3'-0" x 7'-0" (TRANSOM UP TO 10'-6")	CLEAR	RIGHT	5105CXRX
		BRONZE	RIGHT	5105BXRX
		CLEAR	LEFT	5105CXLX
		BRONZE	LEFT	5105BXLX
	6'-0" x 7'-0" (NON TRANSOM)	CLEAR	PAIR	5106CXXX
		BRONZE	PAIR	5106BXXX
	6'-0" x 7'-0" (TRANSOM UP TO 10'-6")	CLEAR	PAIR	5107CXXX
		BRONZE	PAIR	5107CXXX

((Note: All frames prepped only for std offset pivot and lock cutout))

**CALL FOR LEAD TIME**

### 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 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 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.

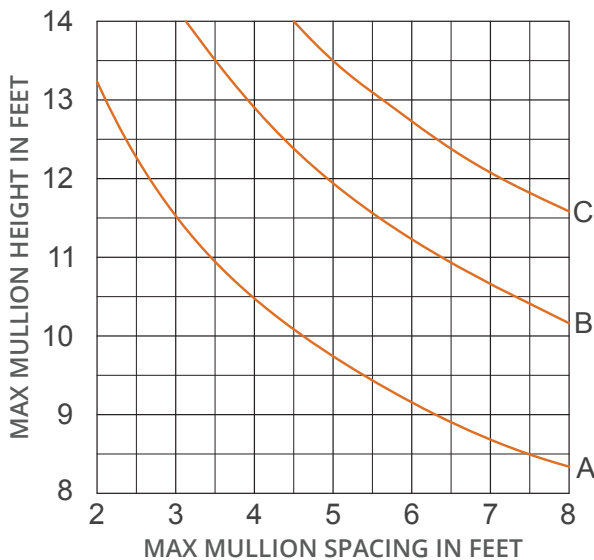
##### PROTECTION AND CLEANING

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.

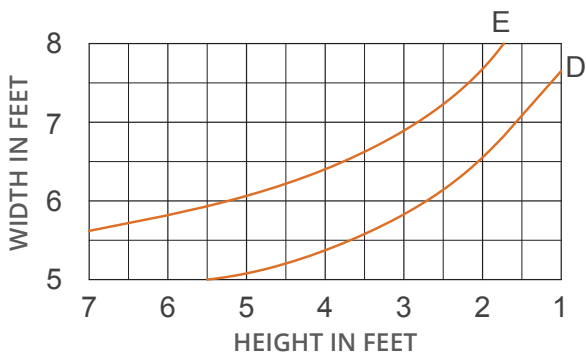
LOAD	FACTOR
15 PSF	1.10064
25 PSF	.92832
30 PSF	.87358
35 PSF	.82983
40 PSF	.79370



SECTION VALUES			
GRAPH	PART NUMBER	I <sub>xx</sub> IN. <sup>4</sup>	S <sub>xx</sub> 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

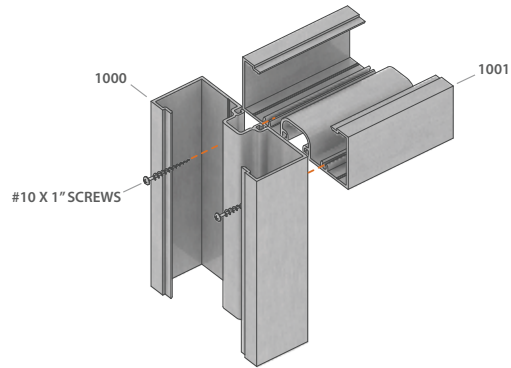
Horizontal or deadload limitations are based upon 1/8" (1/16" for transom bars), maximum allowable deflection at the center of an intermediate horizontal member. The accompanying charts are calculated for the glass to be rested upon two setting blocks positioned at 1/4 points, or one fourth of the member's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



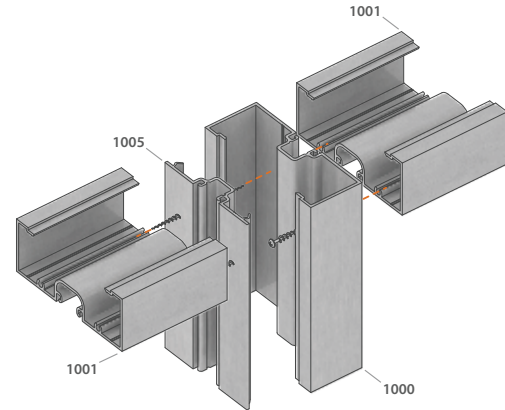
SECTION VALUES				
GRAPH	DEF.	PART NUMBER	I <sub>yy</sub> IN. <sup>4</sup>	S <sub>yy</sub> IN. <sup>3</sup>
D	.062	1002	.441	.436
E	.125	1002	.441	.436

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

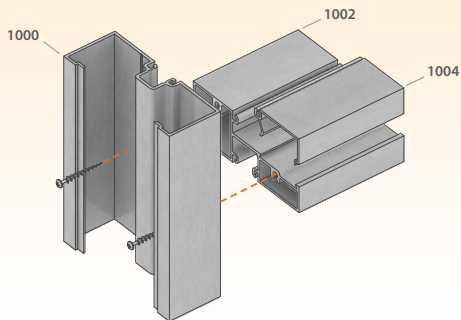
HEAD & JAMB



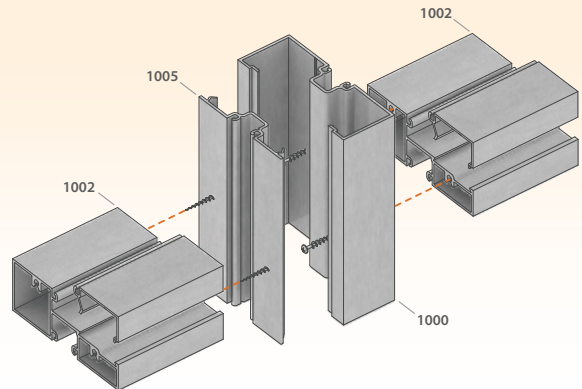
HEAD & VERTICAL



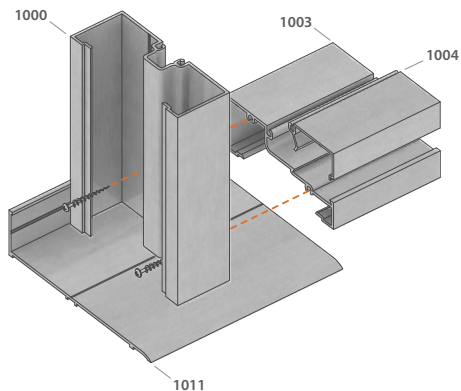
HORIZONTAL & VERTICAL



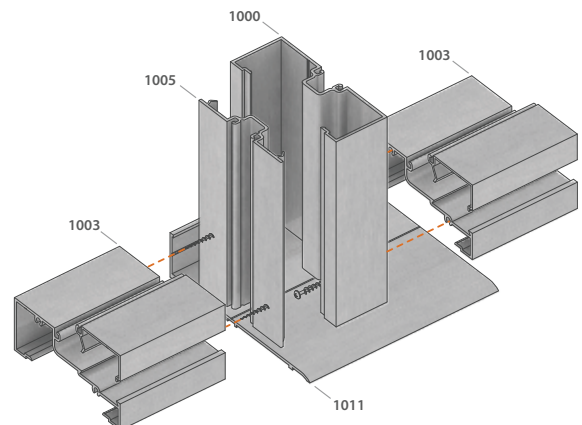
HORIZONTAL & JAMB



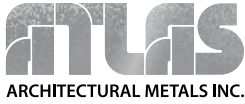
STILL & JAMB



STILL & VERTICAL
























1000 Series

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

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

### 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) \_\_\_\_\_ 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 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.

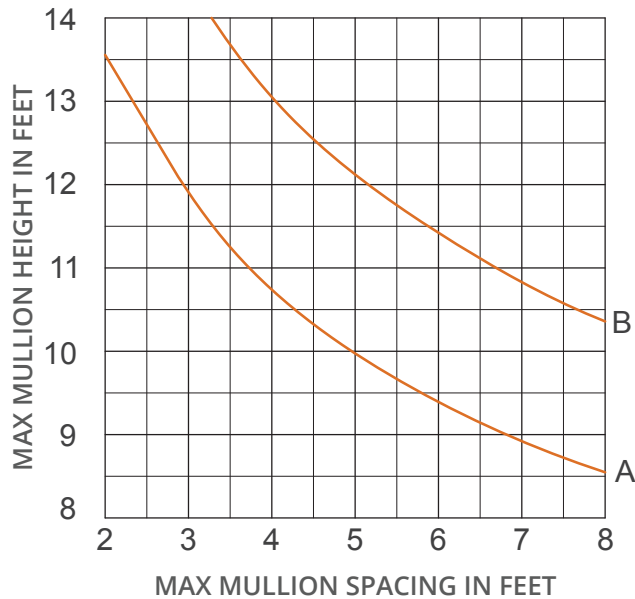
##### PROTECTION AND CLEANING

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.

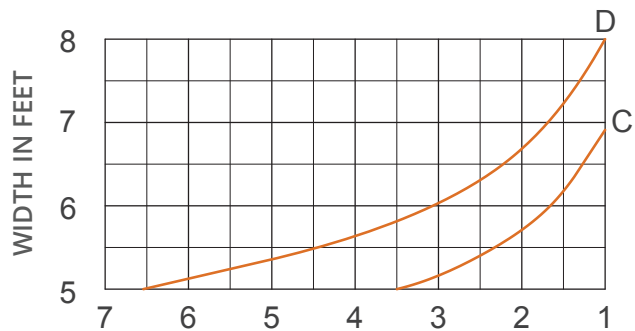
LOAD	FACTOR
15 PSF	1.10064
25 PSF	.92832
30 PSF	.87358
35 PSF	.82983
40 PSF	.79370



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.

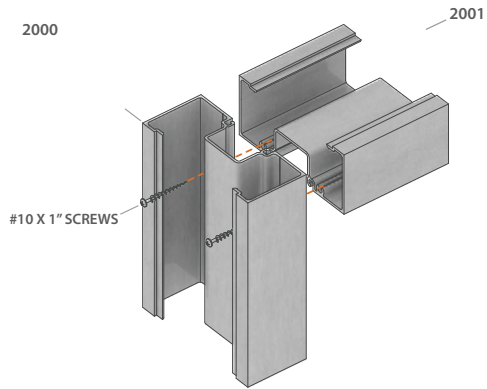


SECTION VALUES				
GRAPH	DEF.	PART NUMBER	I <sub>yy</sub> IN. <sup>4</sup>	S <sub>yy</sub> IN. <sup>3</sup>
C	.062	2002	.558	.456
D	.125	2004	.527	.444

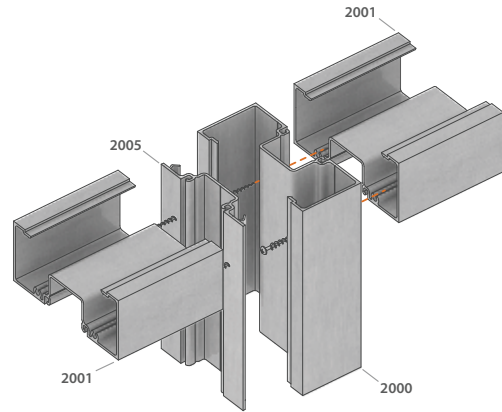


# 4 -1/2" Flush Glaze 1" Pocket 2000 Series / Assembly

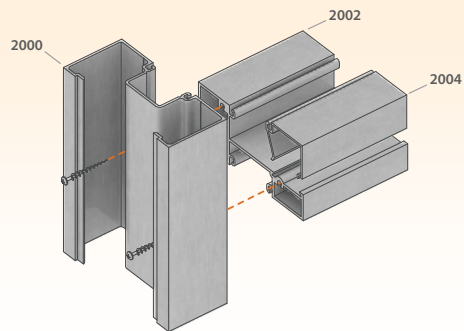
**HEAD & JAMB**



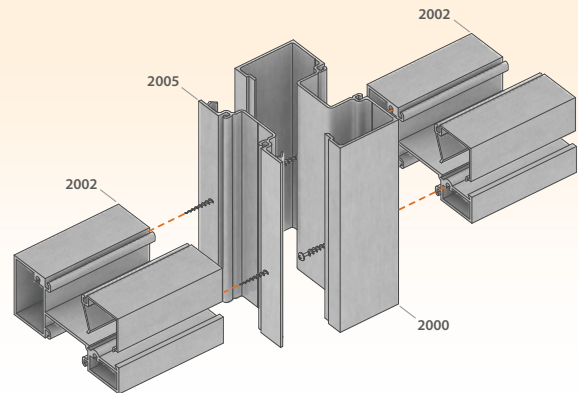
**HEAD & VERTICAL**



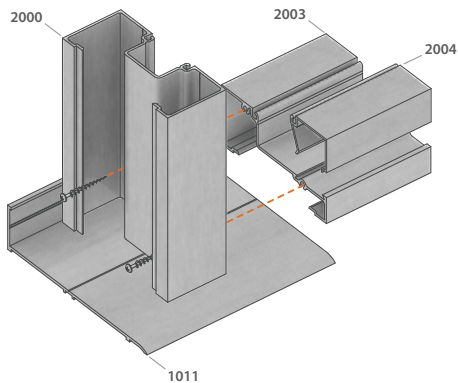
**HORIZONTAL & VERTICAL**



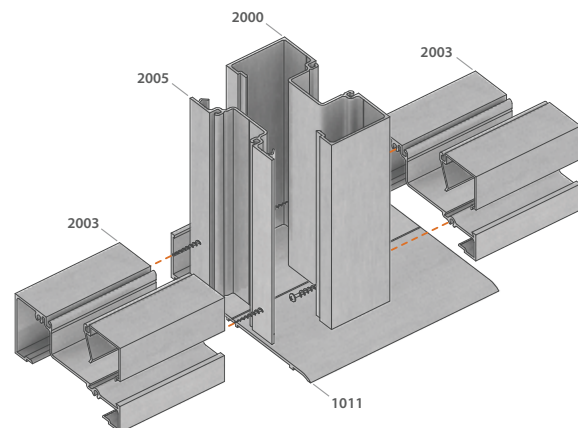
**HORIZONTAL & JAMB**



**STILL & JAMB**



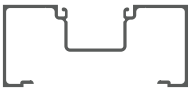

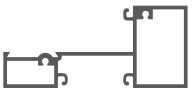





**STILL & VERTICAL**

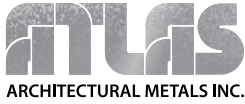


**2000 Series**

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







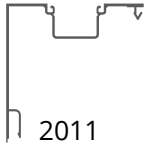
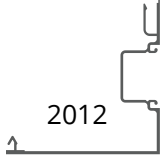

**2" x 4-1/2" 2000 SERIES**

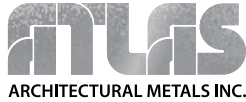
ITEM	DESCRIPTION	STOCK LENGHT	FINISH		
 2000	4-1/2" X 2" JAMB(VERTICAL) MATES WITH 1006, 2005, 2007, 2008	24' - 1"	CLEAR	BRONZE	BLACK
 2001	4-1/2" X 2" HEADER (HORIZONTAL TOP) MATES WITH 1006, 2005, 2007, 2008	24' - 1"	CLEAR	BRONZE	BLACK
 2002	2 X 4-1/2" INTERMEDIATE (HORIZONTAL) MATES WITH 2004, 2007, 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**

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



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

## 2000T Series

## Information & specifications

### INFORMATION

Entrances shall be Shadow Custom Narrow Stile Door Frames as manufactured by ATLAS Architectural, Inc. Houston, Texas. As show 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) \_\_\_\_\_ 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 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.

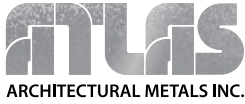
#### II. EXECUTION :

##### 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.



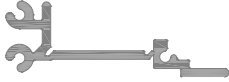

**2000T Series**



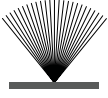



**4 -1/2" Flush Glaze 1" Pocket (Thermal)**

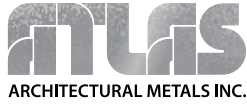
ITEM	DESCRIPTION	STOCK LENGHT	FINISH		
 2000T	4-1/2" X 2" JAMB(VERTICAL) MATES WITH 1006, 2005T, 2007, 2008	24' - 1"	CLEAR	BRONZE	BLACK
 2001T	4-1/2" X 2" HEADER (HORIZONTAL TOP) MATES WITH 1006, 2005T, 2007, 2008	24' - 1"	CLEAR	BRONZE	BLACK
 2002T	2 X 4-1/2" INTERMEDIATE (HORIZONTAL) MATES WITH 2004, 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



<b>Accessories</b>
<b>(1000 Series &amp; 2000 Series)</b>





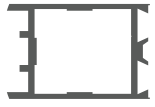



ITEM	DESCRIPTION	STOCK LENGHT	FINISH	
 8733	2000S SHEAR BLOCK	24'-0"	MILL	
 8826	1-3/8" x 1" x 1/8"w CHANNEL (WITH 1-1/8" OPENING)	24'-0"	CLEAR	BRONZE

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











**Door Rails**

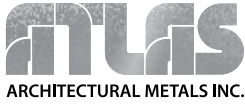
(Narrow, Medium, Wide)

ITEM	DESCRIPTION	STOCK LENGHT	FINISH		
 3000	NARROW STILE(NS) TOP RAIL	21'-4"	CLEAR	BRONZE	BLACK
 3001	NARROW STILE(NS) BOTTOM RAIL	21'-4"	CLEAR	BRONZE	BLACK
 3002	NARROW STILE(NS) BEVEL RAIL	21'-2"	CLEAR	BRONZE	BLACK
 3003	NARROW STILE(NS) DOUBLE ACTING DOOR RAIL	21'-2"	CLEAR	BRONZE	BLACK
 3004	NARROW STILE(NS) ADJUSTABLE ASTRAGAL RAIL	21'-2"	CLEAR	BRONZE	BLACK
 3005	MEDIUM STILE(MS) TOP RAIL	21'-2"	CLEAR	BRONZE	BLACK
 3006	MEDIUM STILE(MS) BEVEL RAIL	24' - 1"	CLEAR	BRONZE	BLACK
 2014	MEDIUM STILE(MS) DOUBLE ACTING DOOR RAIL	21'-2"	CLEAR	BRONZE	BLACK












<b>Door Rails</b>
<b>(Narrow, Medium &amp; Wide Stile)</b>

**1-3/4" THICK DOOR RAILS**

ITEM	DESCRIPTION	STOCK LENGHT	FINISH		
 3008	MEDIUM STILE(MS) ADJUSTABLE ASTRAGAL RAIL	21'-2"	CLEAR	BRONZE	BLACK
 3009	6" WIDE STILE(WS) BOTTOM RAIL	21'-2"	CLEAR	BRONZE	BLACK
 3010	5" WIDE STILE(WS) BEVEL RAIL	21'-2"	CLEAR	BRONZE	BLACK
 3011	WIDE STILE(WS) DOUBLE ACTING DOOR RAIL	21'-2"	CLEAR	BRONZE	BLACK
 3012	WIDE STILE(WS) ADJUSTABLE ASTRAGAL RAIL	21'-2"	CLEAR	BRONZE	BLACK
 3013	ASTRAGAL CAP	21'-2"	CLEAR	BRONZE	BLACK
 3014	GLASS STOP	21'-2"	CLEAR	BRONZE	BLACK
 3015	1/2" GLAZING BEAD	21'-2"	CLEAR	BRONZE	BLACK


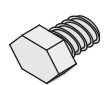



<b>Door Accessories</b>
(Narrow, Medium & Wide Stile)

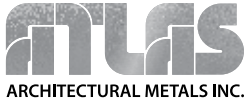
ITEM	DESCRIPTION	STOCK LENGHT	FINISH		
 8554	HURRICANE 9/16" GLASS STOP BACK (WET GLAZE ONLY)	24'-1"	CLEAR	BRONZE	
 8555	HURRICANE 9/16" GLASS STOP FRONT (WET GLAZE ONLY)	24'-1"	CLEAR	BRONZE	
 3016	1" GLASS STOP BACK	21'-2"	CLEAR	BRONZE	BLACK
 3017	1" GLASS STOP FACE	21'-2"	CLEAR	BRONZE	BLACK
 3018	9/16" MOUNTIN BAR	21'-2"	CLEAR	BRONZE	BLACK
 3019	SADDLE THRESHOLD 4"X1/2"	21'-2"	CLEAR	BRONZE	BLACK
 3020	DOOR CORNER CLIP	24' - 2"	MILL	BRONZE	BLACK
 3021	9 1/2" BOTTOM RAIL	10'-0"	MILL	BRONZE	BLACK
 8734	EXTENDED 9/16" MOUNTIN BAR	10'-0"	CLEAR	BRONZE	BLACK
 9314XXXX	1" SETTING BLOCK FOR DOOR	21'-2"	CLEAR	BRONZE	BLACK
 8556/M290	5"x1/2" THRESHOLD WITH BASKET REGLET (24"-2" MILL)	21'-4"	CLEAR	BRONZE	BLACK

## Door Accessories





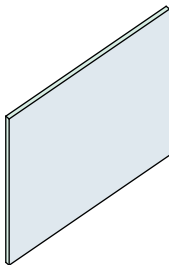


(Narrow, Medium & Wide Stile)

ITEM	DESCRIPTION	QUANTITY	PART No.	FINISH
	DOOR CORNER CLIP (NARROW)	1	9300XXNX	MILL
	DOOR CORNER CLIP (MEDIUM)	1	9300XXMX	MILL
	DOOR CORNER CLIP (WIDE)	1	9300XXWX	MILL
	CYLINDRICAL SPRING	1	9305XXXX	
	ASTRAGAL CAP SCREW/ SCREW CONICAL SPRING	1	9306XXXX	
	GLASS ADJUSTMENT SCREW (NARROW)	1	9307XXNX	
	GLASS ADJUSTMENT SCREW (MEDIUM)	1	9307XXMX	
	1/4" SETTING BLOCK	1	9307XXXX	
	CONICAL SPRING	1	9308XXXX	













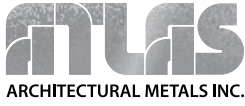
**Door Accessories**  
(Narrow, Medium & Wide Stile )

ITEM	DESCRIPTION	QUANTITY	PART No.	FINISH
	6336 RUBBER (ROLL)	1 ROLL 750'	9309XXRX	BLACK
	6336 RUBBER (FT.)	1'	9309XXFX	BLACK
	1/4" PRESET GASKET (FT.)	1'	9310XXFX	BLACK
	ASTRAGAL CAP FELT (FT.)	1'	9311XXFX	
	6285 PLASTIC (FT.)	1'	9312XXFX	BLACK
	GLASS 3/16" CLEAR	1'	9036XXCX	CLEAR
	GLASS 3/16" BRONZE	1'	9036XXBX	BRONZE
	H-70 DUORO SILICONE DOOR GASKET ( ROLL ) ( FOR 2" THICK DOOR GLASS STOP )	1 ROLL 500'	9813/XXRX	BLACK
	H-70 DUORO EPDM BULB GASKET(ROLL) (THRESHOLD & DOOR STOP)	1 ROLL 750'	9811/XXRX	BLACK

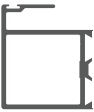




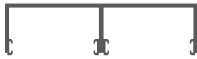


<b>Hercules Door Rail</b>
(2" Door)

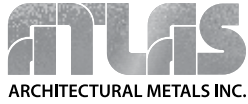
**2" THICK HERCULES DOORS**

ITEM	DESCRIPTION	STOCK LENGHT	FINISH		
 8804	HD TOP RAIL	21'-2"	CLEAR	BRONZE	
 8805	HD 9-1/2" BOTTOM RAIL	21'-2"	CLEAR	BRONZE	
 8806	HD FRONT GLASS STOP	21'-2"	CLEAR	BRONZE	
 8807	HD BACK GLASS STOP	21'-2"	CLEAR	BRONZE	
 8809	HD BEVEL RAIL	21'-2"	CLEAR	BRONZE	
 8810	HD BULL NOSE RAIL	21'-2"	CLEAR	BRONZE	
 8811	HD ASTRAGAL RAIL	21'-2"	CLEAR	BRONZE	
 8812	HD 6" MID-PANEL RAIL	21'-2"	CLEAR	BRONZE	








**Mall Sliders**  
(Narrow & Wide Stile)

ITEM	DESCRIPTION	STOCK LENGHT	FINISH		
 4000	INTERLOCK	21' - 2"	CLEAR	BRONZE	BLACK
 4001	INTERLOCK WIDE STILE	21' - 2"	CLEAR	BRONZE	BLACK
 4002	BOTTOM	21' - 2"	CLEAR	BRONZE	BLACK
 4003	BOTTOM	21' - 2"	CLEAR	BRONZE	BLACK
 4004	JAMB	24' - 1"	CLEAR	BRONZE	BLACK
 4005	DOUBLE HEAD TRACK	24' - 1"	CLEAR	BRONZE	BLACK
 4006	SINGLE HEAD	24' - 1"	CLEAR	BRONZE	BLACK
 4007	INTERLOCK JAMB	24' - 1"	CLEAR	BRONZE	BLACK

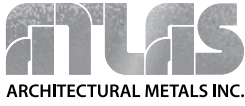


<b>Mall Sliders</b>
(Narrow & Wide Stile )



ITEM	DESCRIPTION	STOCK LENGHT	FINISH		
 4009	DOUBLE BOTTOM TRACK	24' - 2"	MILL		BLACK
 4010	SINGLE BOTTOM TRACK	24' - 2"	MILL		BLACK
 4011	BOTTOM TRACK RAMP	24' - 2"	MILL		
 4008	HANDLE	4"	CLEAR	BRONZE	
 4018	LOCK GUARD	14' - 4"	CLEAR	BRONZE	

(Not in stock,call for prices)



<b>Miscellaneous</b>

ITEM	DESCRIPTION	STOCK LENGTH	FINISH		
 3025	1 X 1 X 1/8 ANGLE	24' 1"	CLEAR	BRONZE	BLACK
 3026	1/2 X 1-1/2 FLAT BAR	24' 1"	CLEAR	BRONZE	BLACK
 3027	1/4 X 1-1/2 FLAT BAR	24' 1"	CLEAR	BRONZE	BLACK
 3028	ADJUSTABLE SWEEP STRIP	24' 6"	CLEAR	BRONZE	BLACK
 3029	DOOR STOP	24' 2"	CLEAR	BRONZE	BLACK
 4012	BY PASS DOOR TRACK	12'	CLEAR	BRONZE	BLACK





## 7000 Series Curtain Wall High Performance System



The 7000 series Curtain Wall system is a high performance system that meets the ASTM requirements, designed for 1/4" and 1" insulated laminated glass



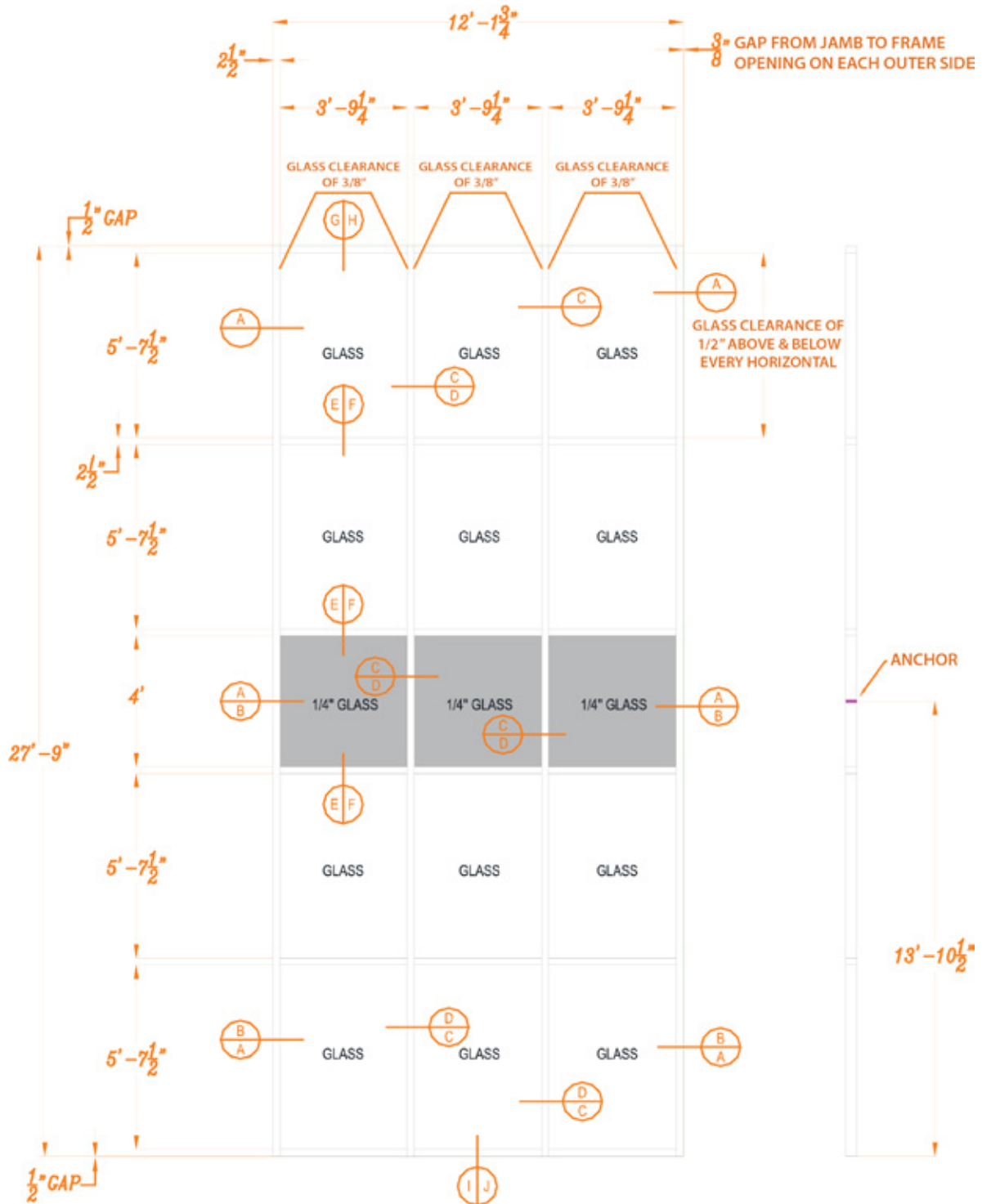
### Features

- \*Vertical spacing up to 5' 7-1/2" C/L to C/L
- \*Overall dimensions 2-1/2" x 7"
- \*Spans up to 27'-9" tall
- \*1/4" reducer option
- \*Shear Block assembly



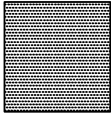
# 7000 - Series Curtain Wall Detail

Mockup Model as Tested

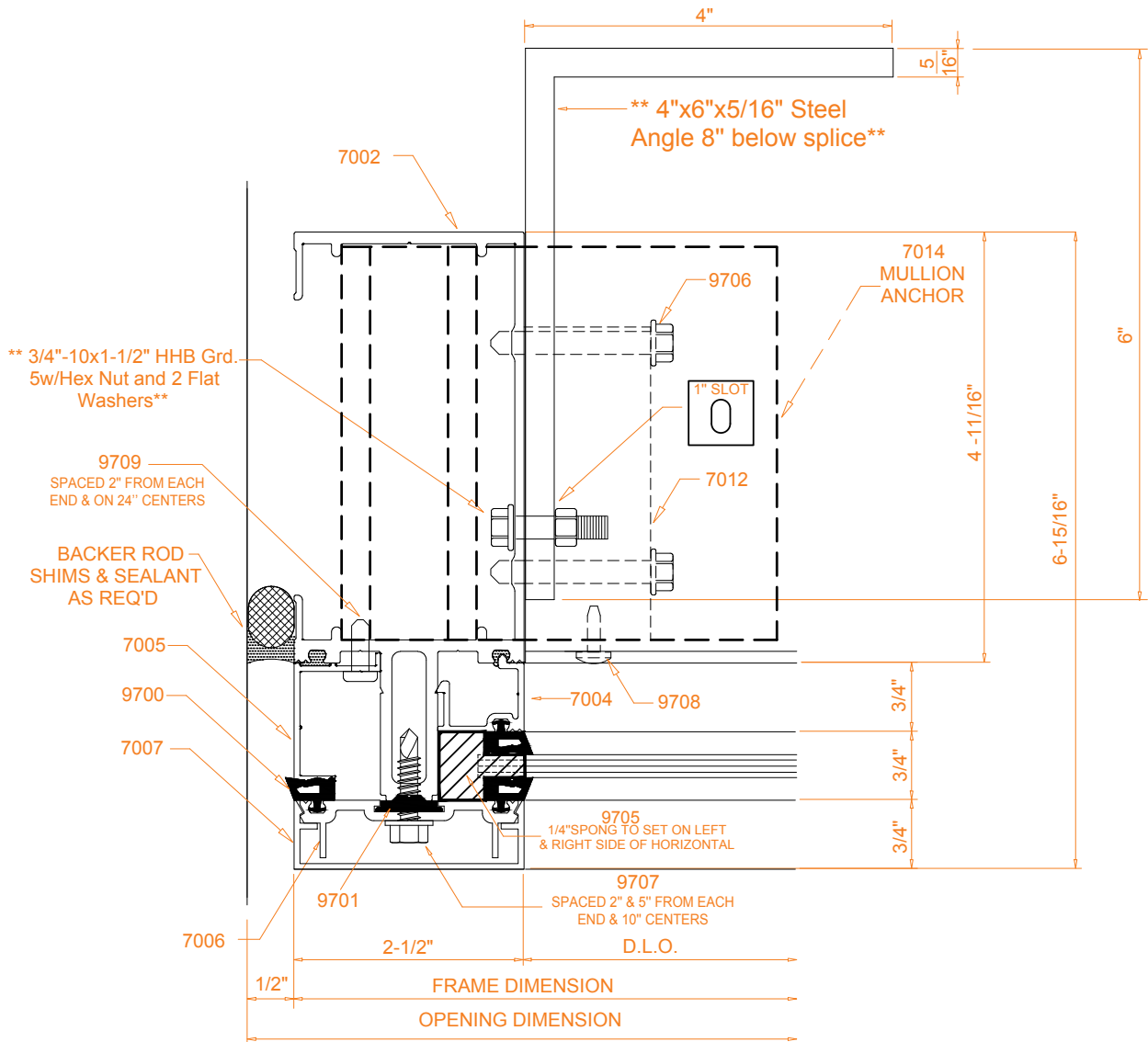


**Detail A**

**SEALANT**



**(\*\*) HARDWARE TO BE PROVIDED BY INSTALLER**



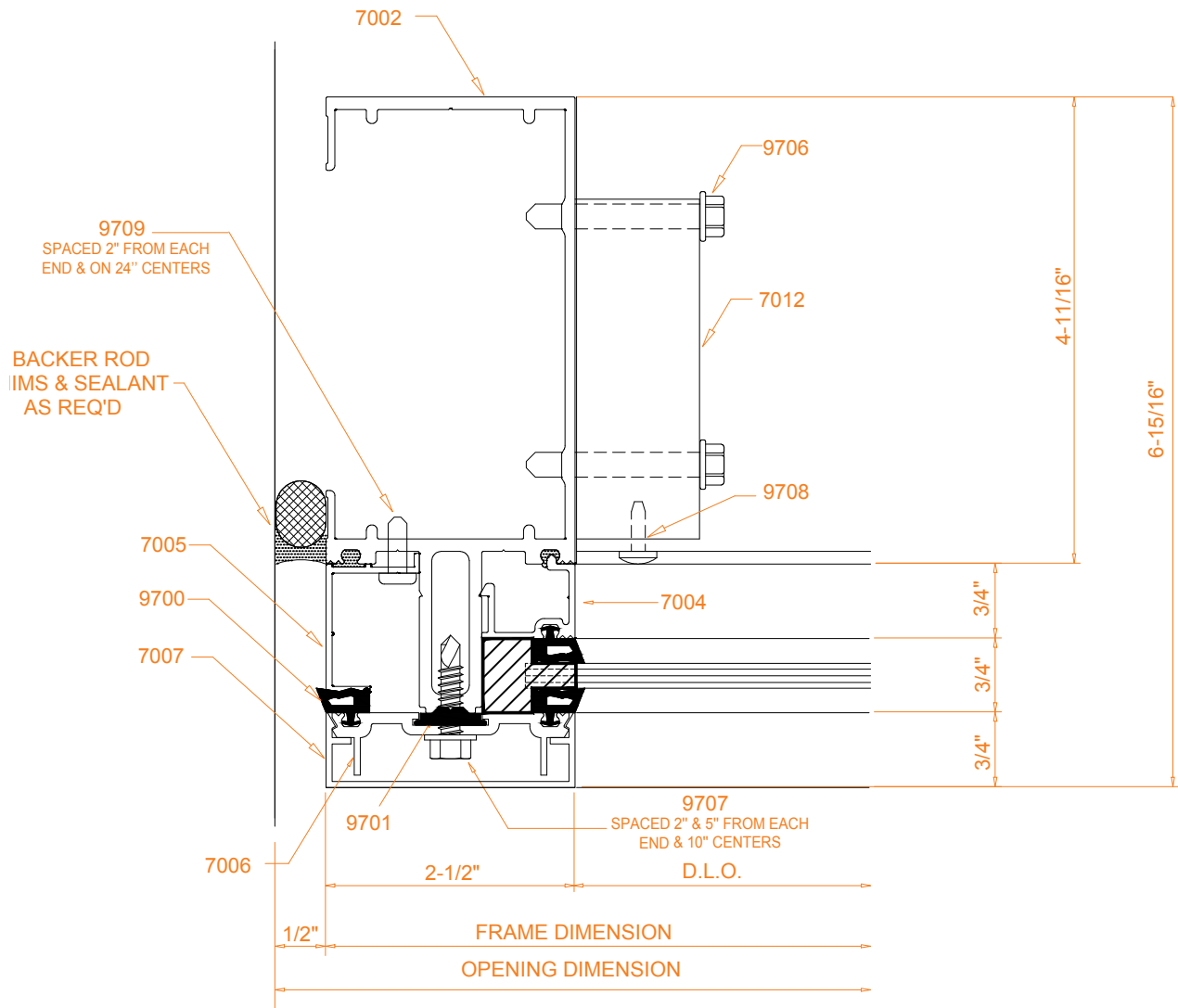
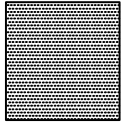
**JAMB**

# 7000 Series Curtain Wall

2-1/2" X 7" System for 1/4" Glazing

## Detail B

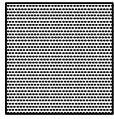
### SEALANT



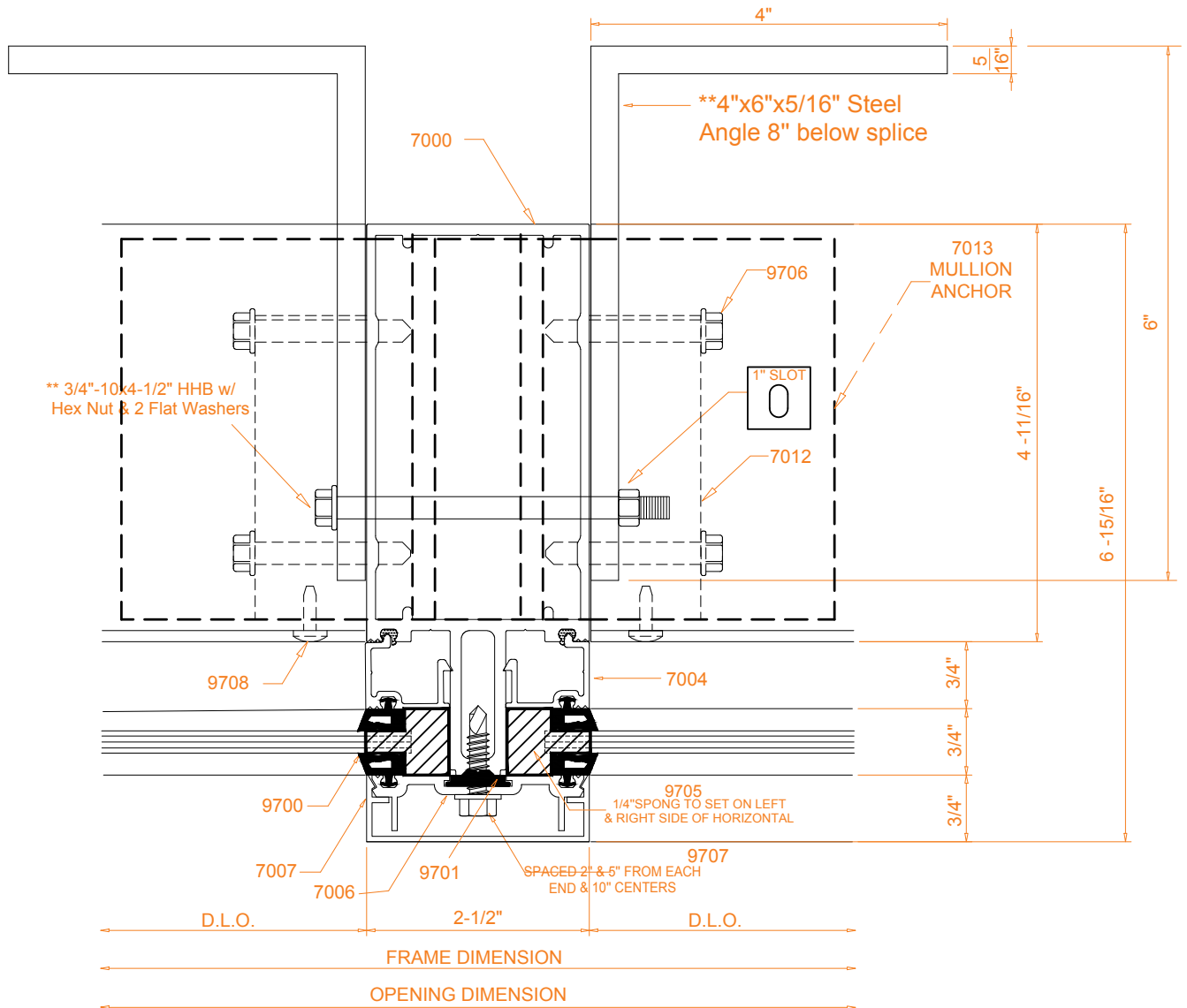
### JAMB

**Detail C**

SEALANT



(\*\*) HARDWARE TO BE PROVIDED BY INSTALLER



**MULLION**

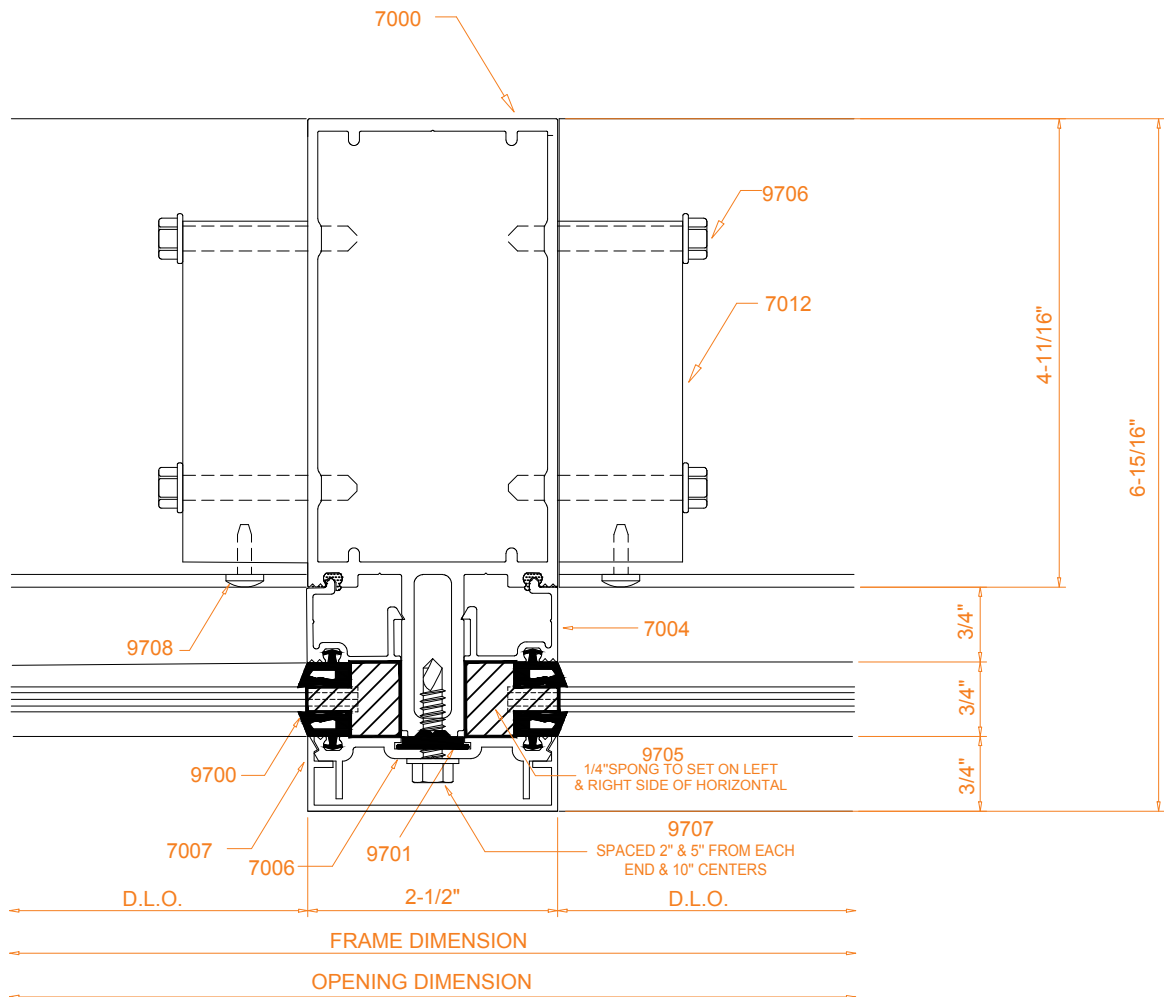
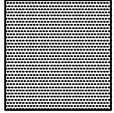


# 7000 Series Curtain Wall

2-1/2" X 7" System for 1/4" Glazing

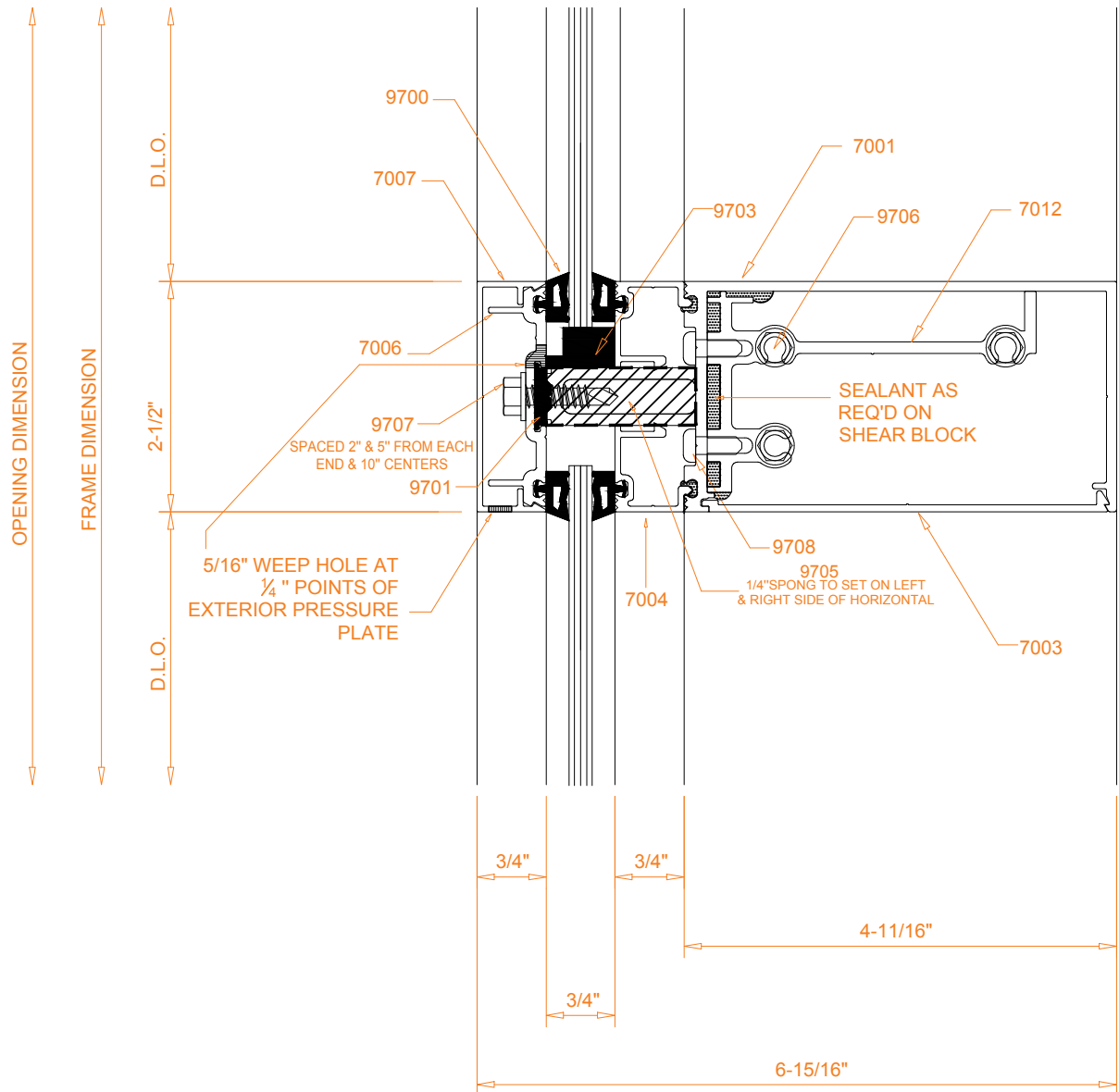
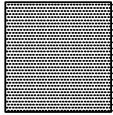
## Detail D

### SEALANT



### MULLION

**SEALANT**



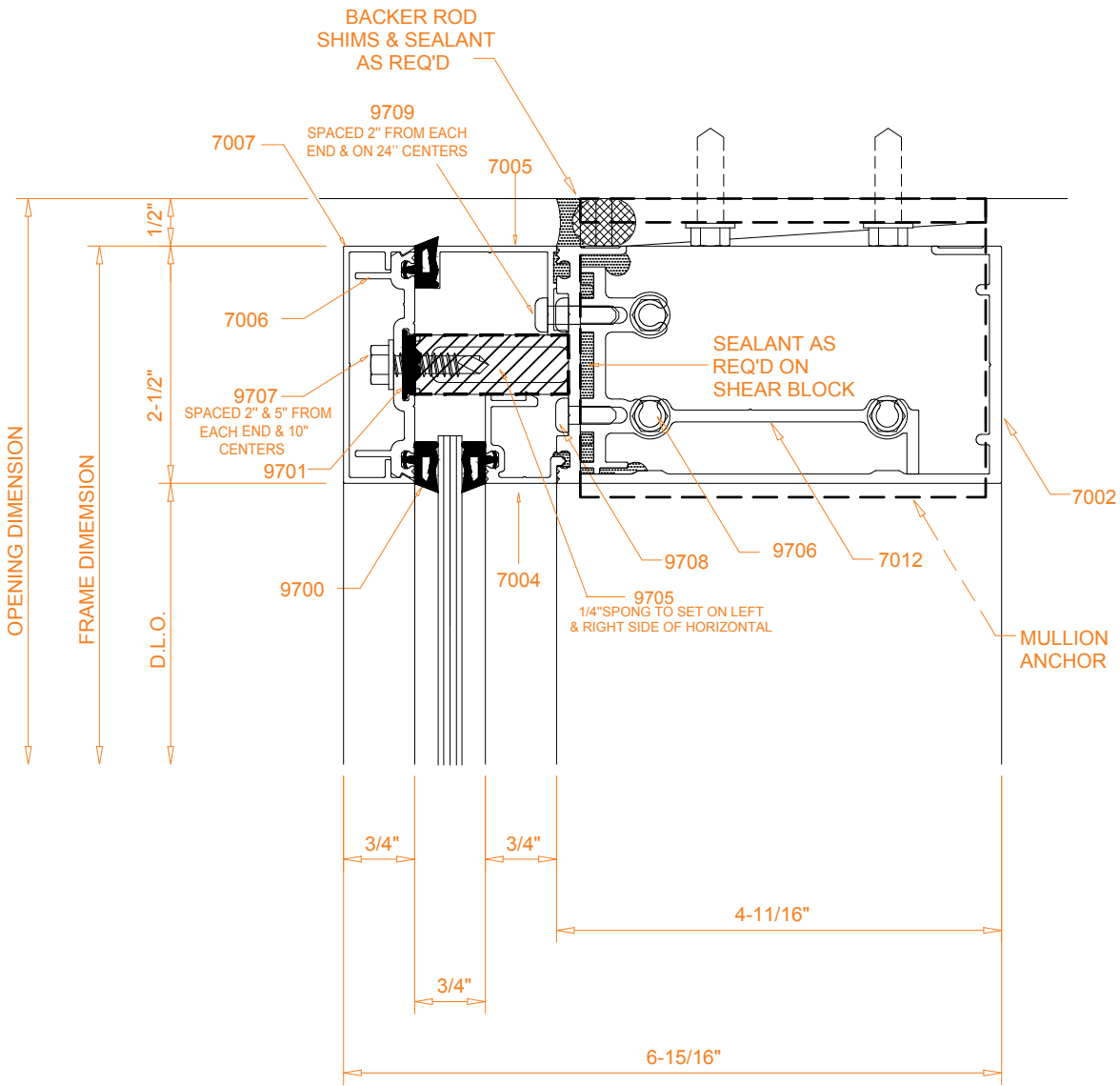
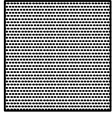
**INTERMEDIATE HORIZONTAL**

# 7000 Series Curtain Wall

2-1/2" X 7" System for 1/4" Glazing

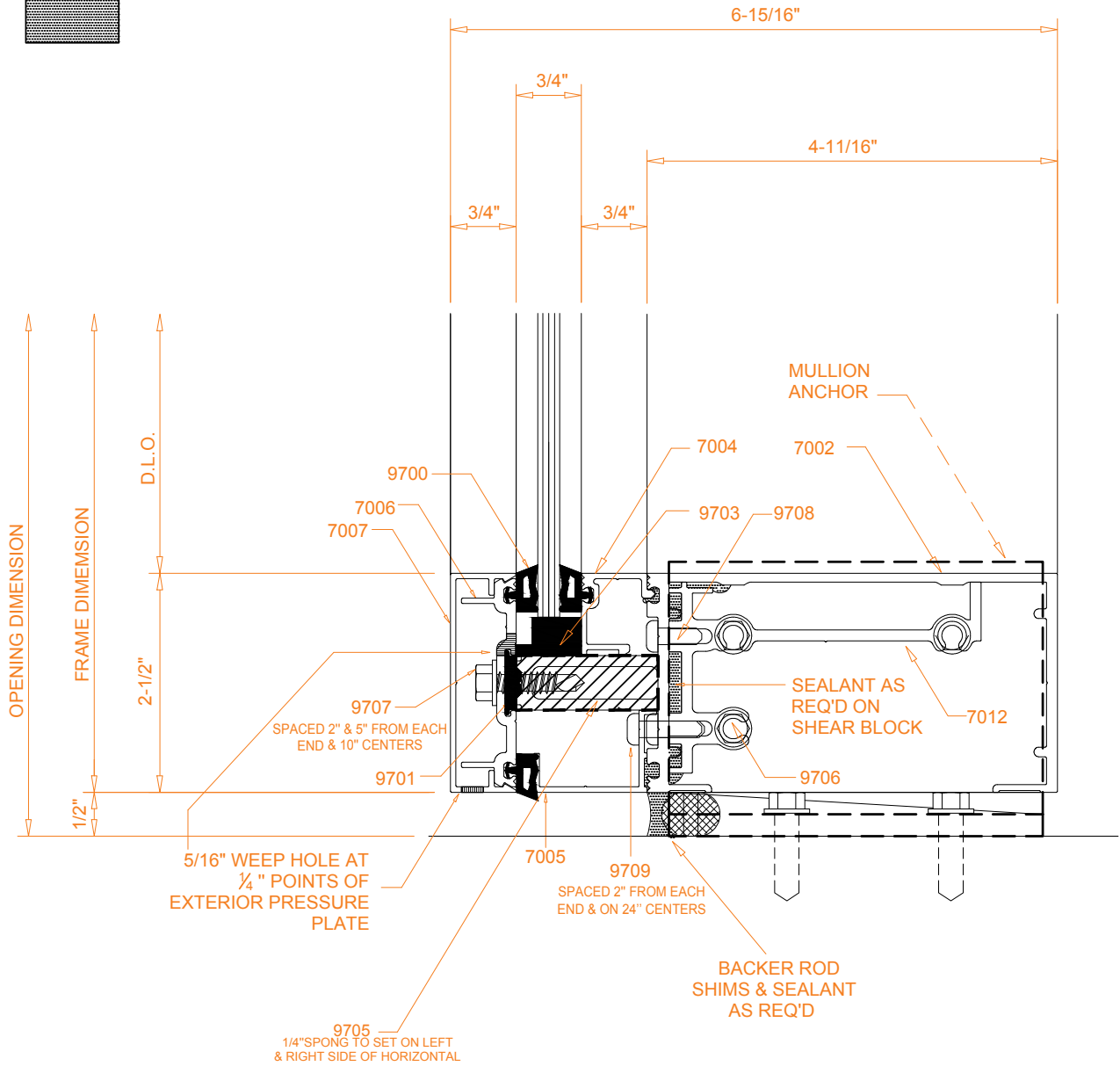
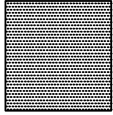
## Detail G & H

**SEALANT**



**HEAD**

**SEALANT**

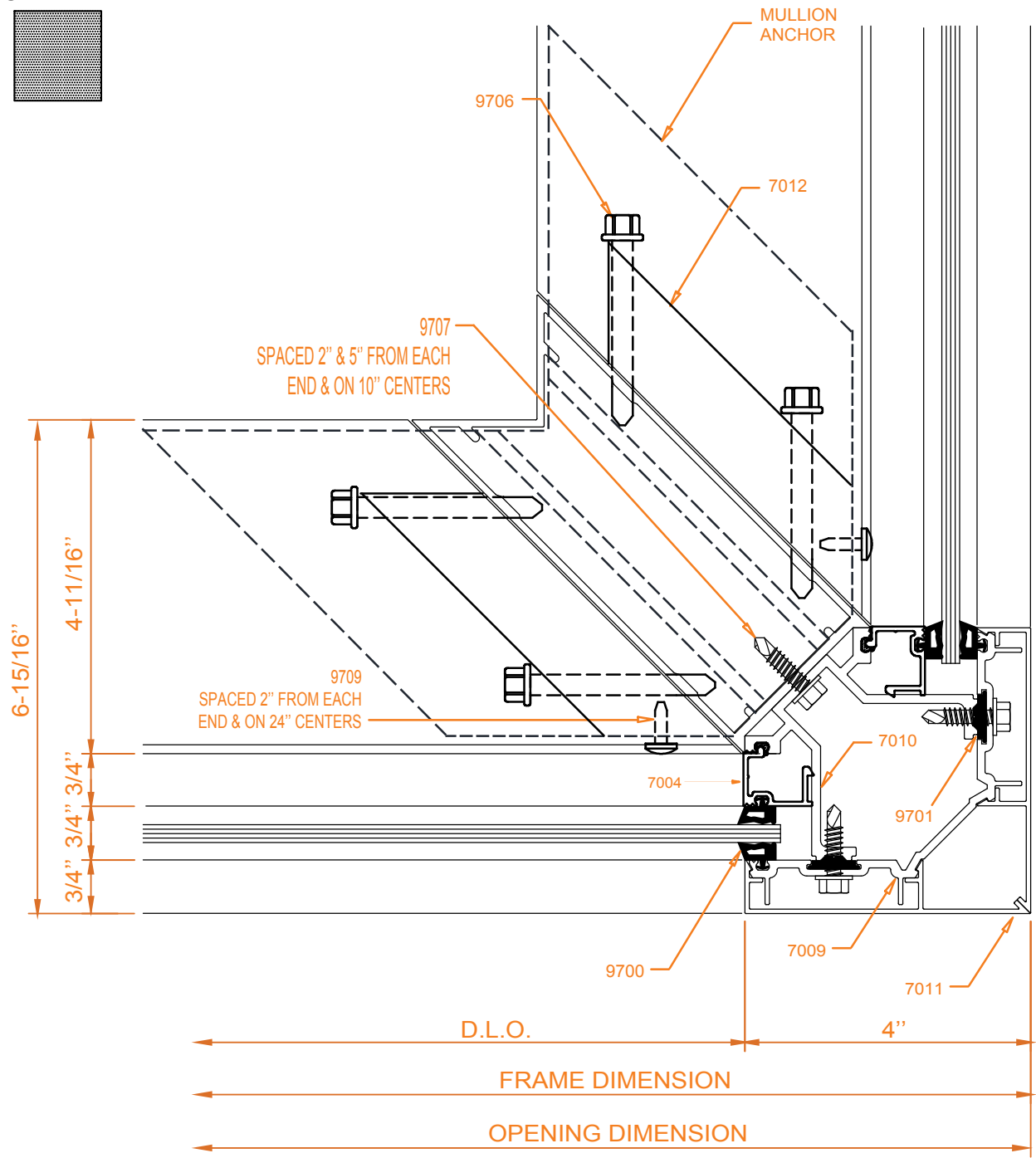
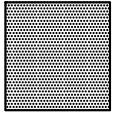


**SILL**

# 7000 Series Curtain Wall

2-1/2" X 7" System for 1/4" Glazing

**SEALANT**

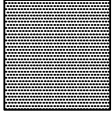


**CORNER**

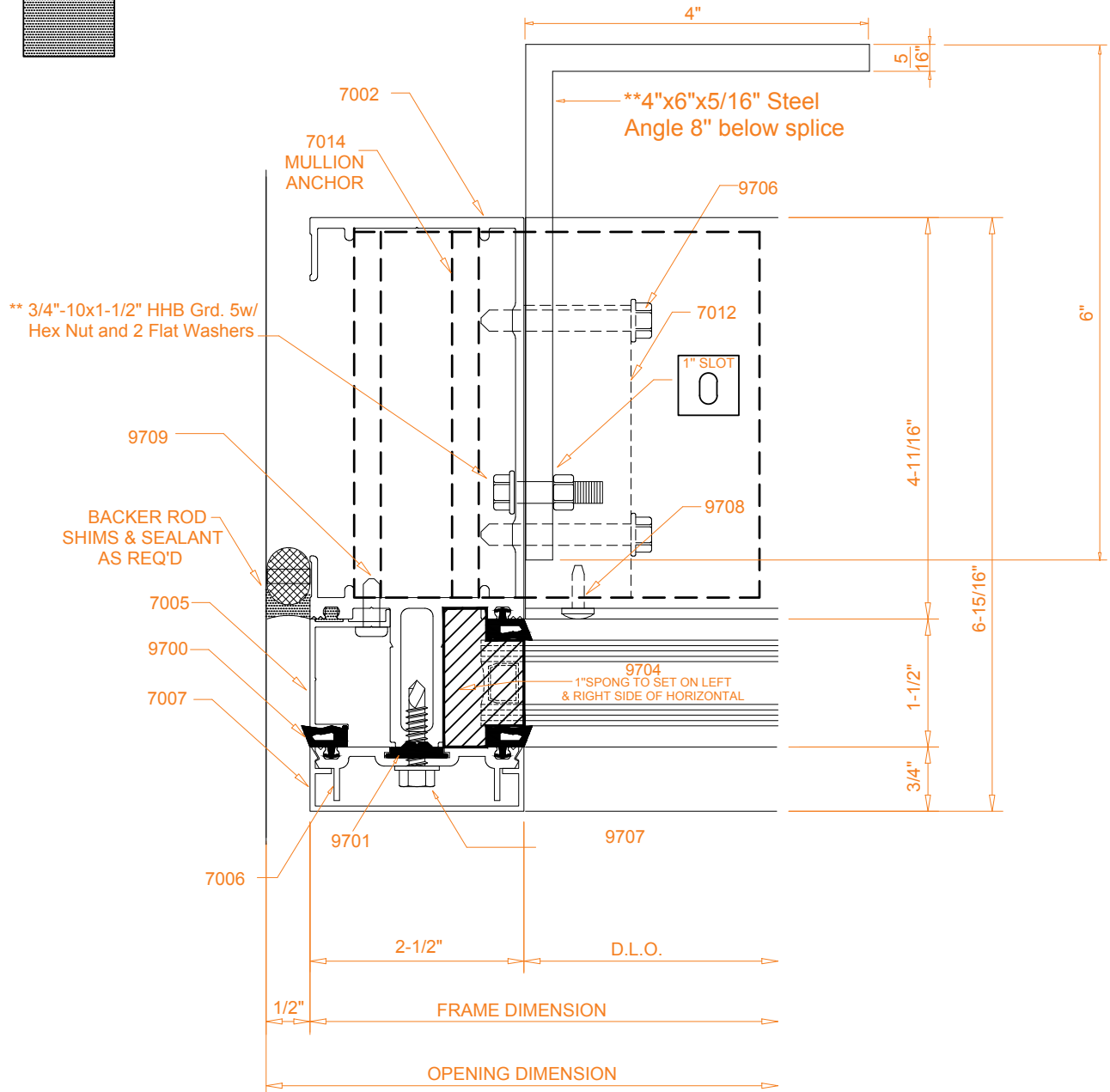


**Detail A**

**SEALANT**



(\*\*) HARDWARE TO BE PROVIDED BY INSTALLER



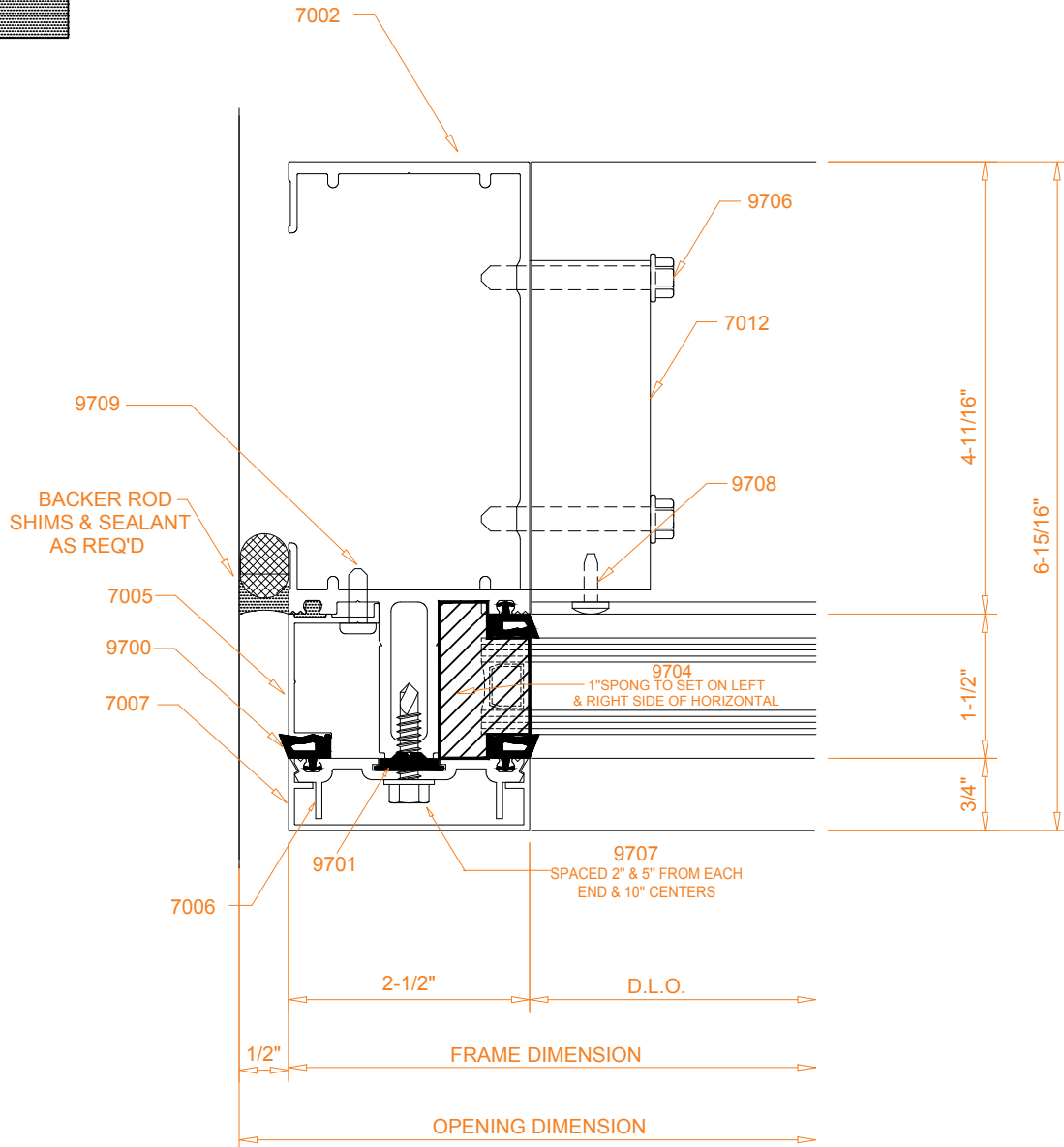
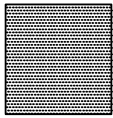
**JAMB**

# 7000 Series Curtain Wall

## 2-1/2" X 7" System for 1" Glazing

### Detail B

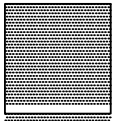
**SEALANT**



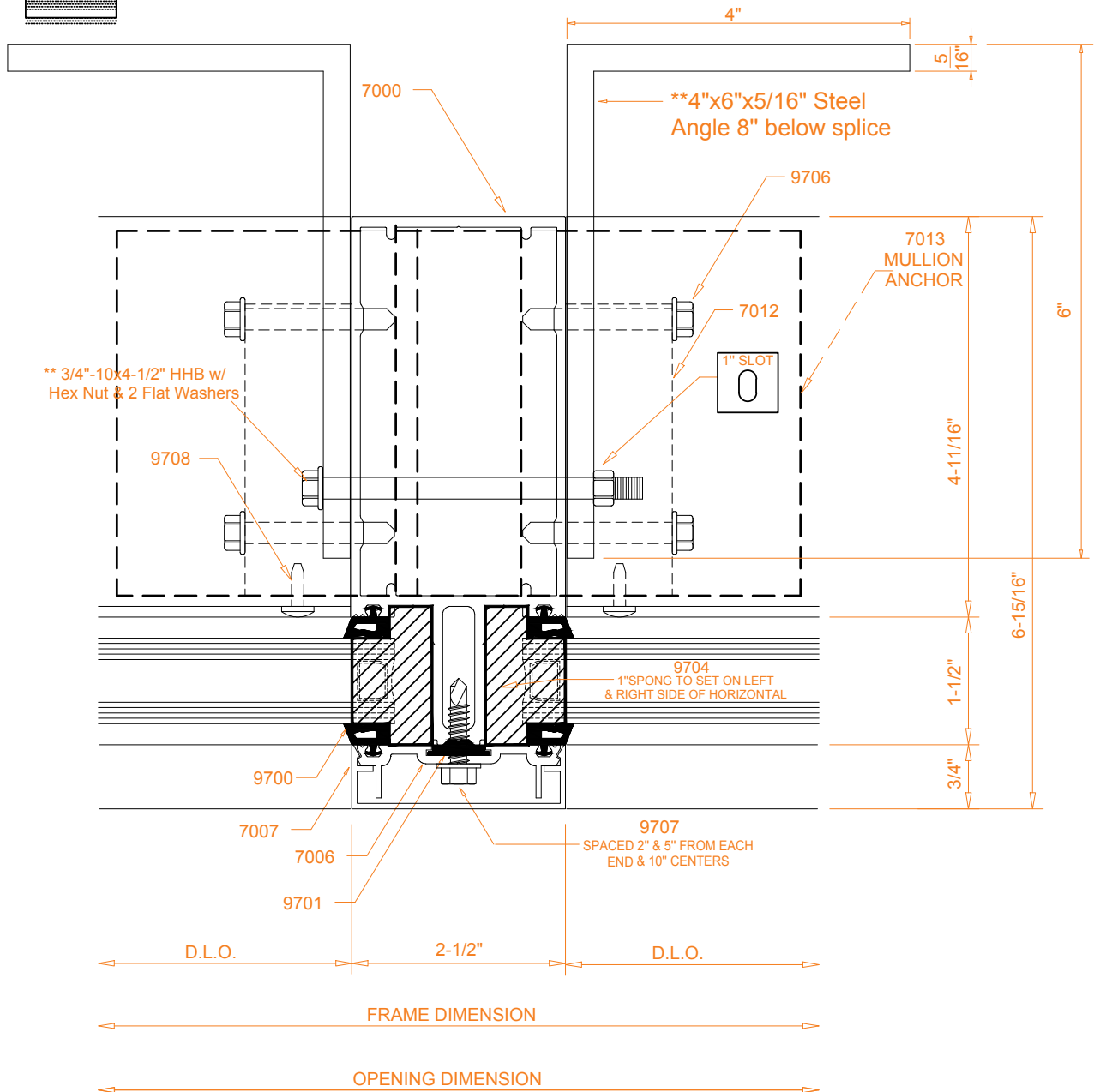
**JAMB**

**Detail C**

SEALANT



(\*\*) HARDWARE TO BE PROVIDED BY INSTALLER



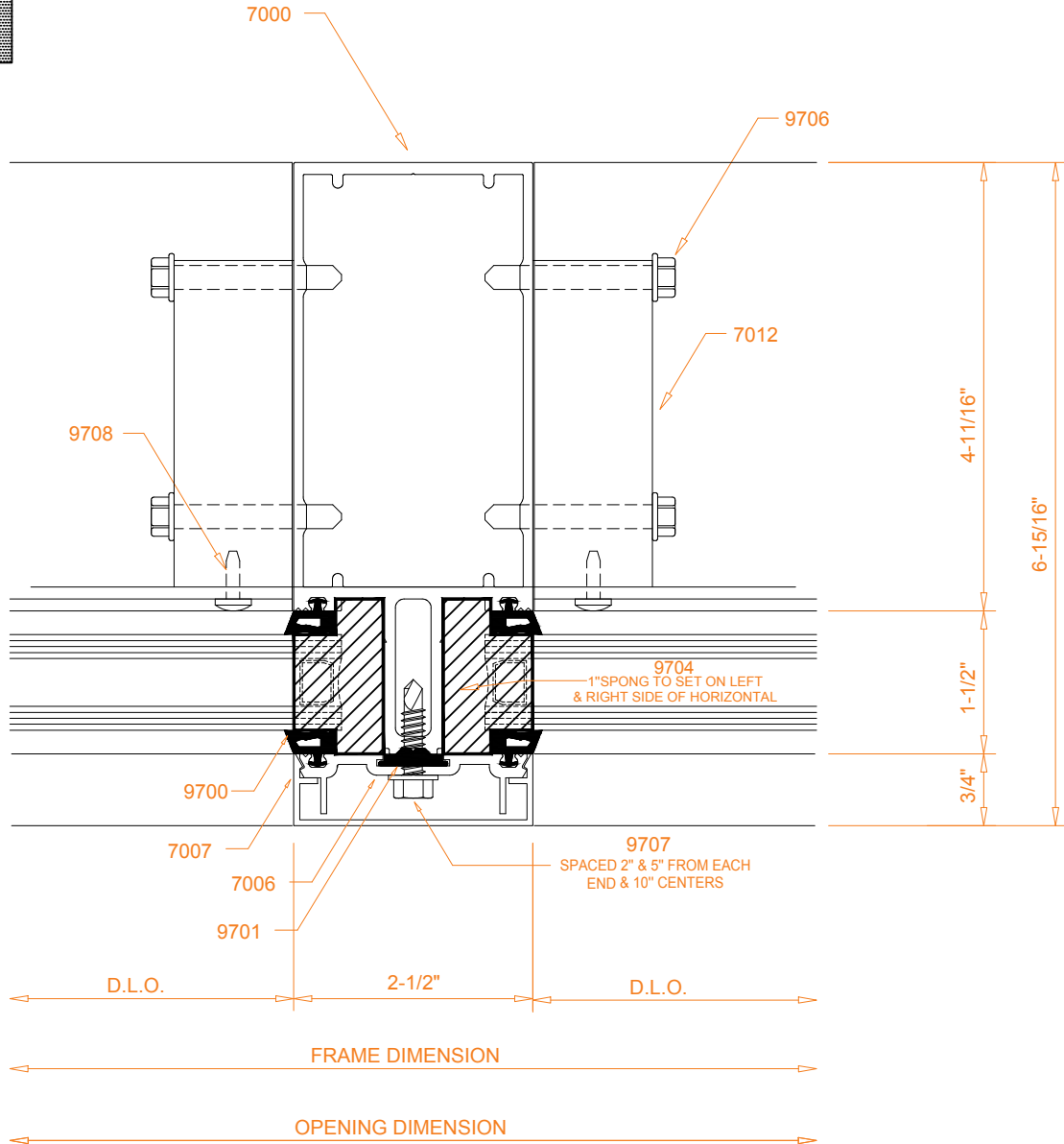
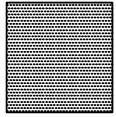
**MULLION**

# 7000 Series Curtain Wall

2-1/2" X 7" System for 1" Glazing

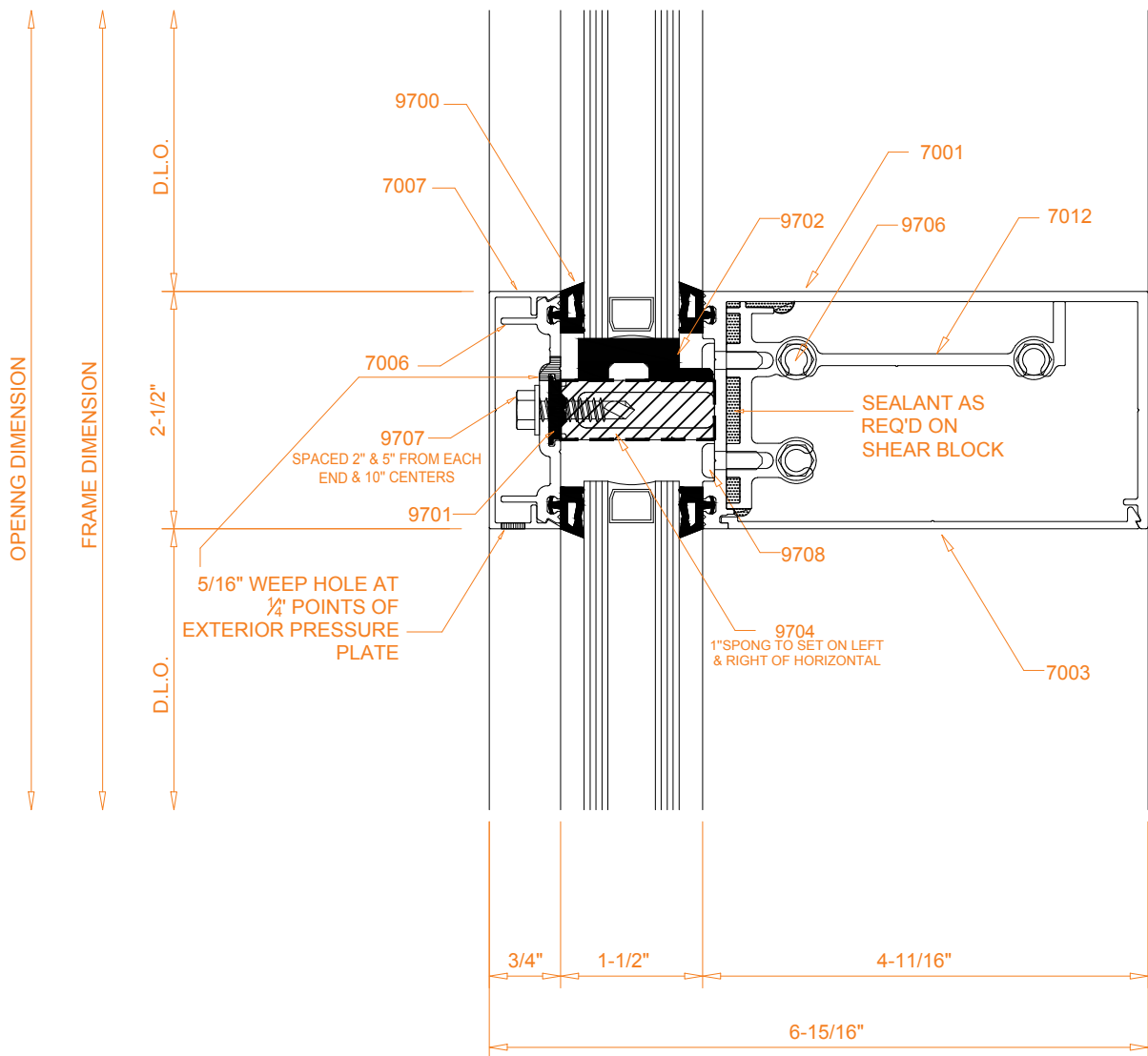
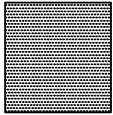
## Detail D

**SEALANT**



## MULLION

**SEALANT**



**INTERMEDIATE HORIZONTAL**

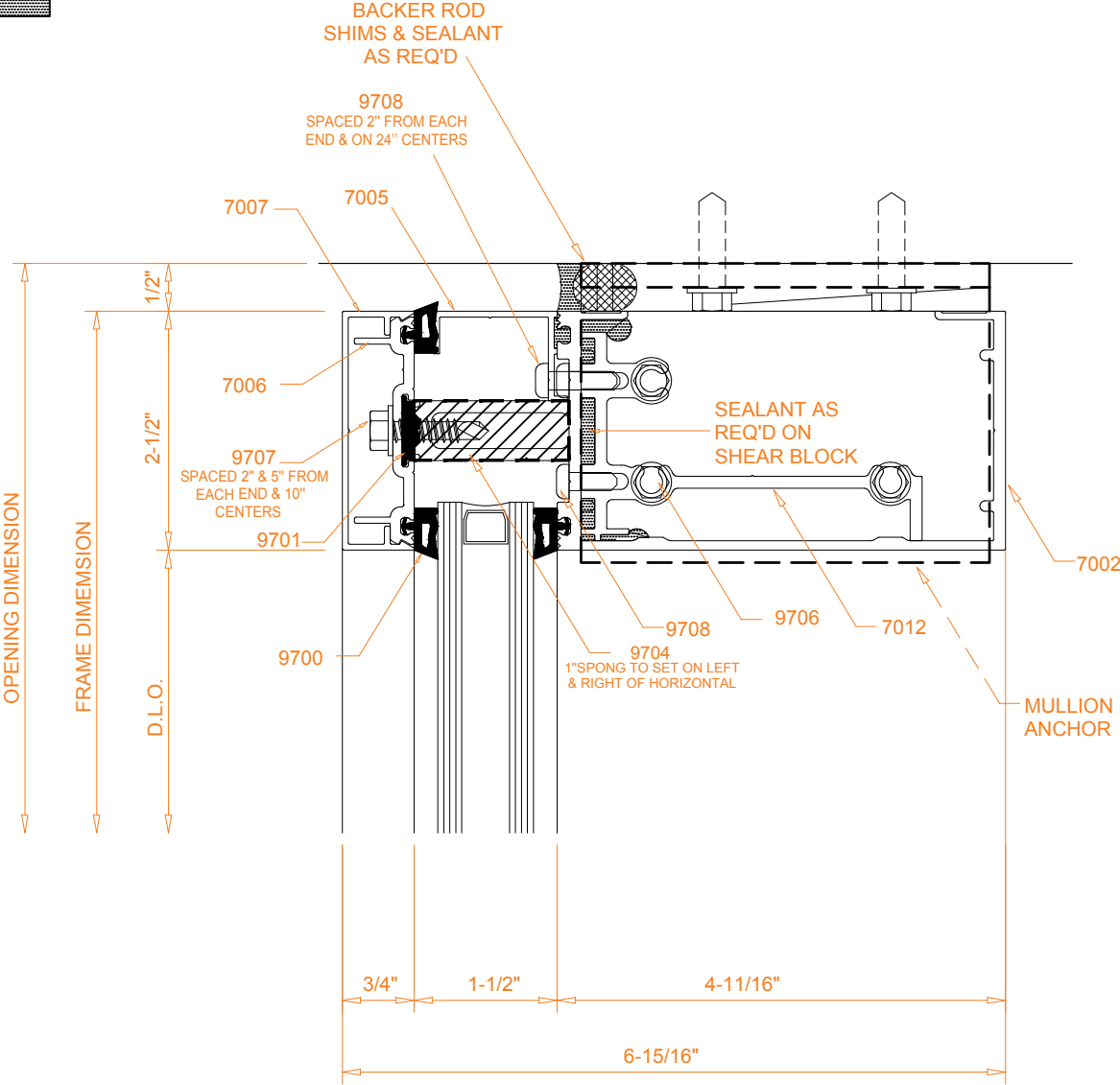
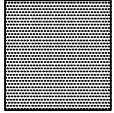


# 7000 Series Curtain Wall

## 2-1/2" X 7" System for 1" Glazing

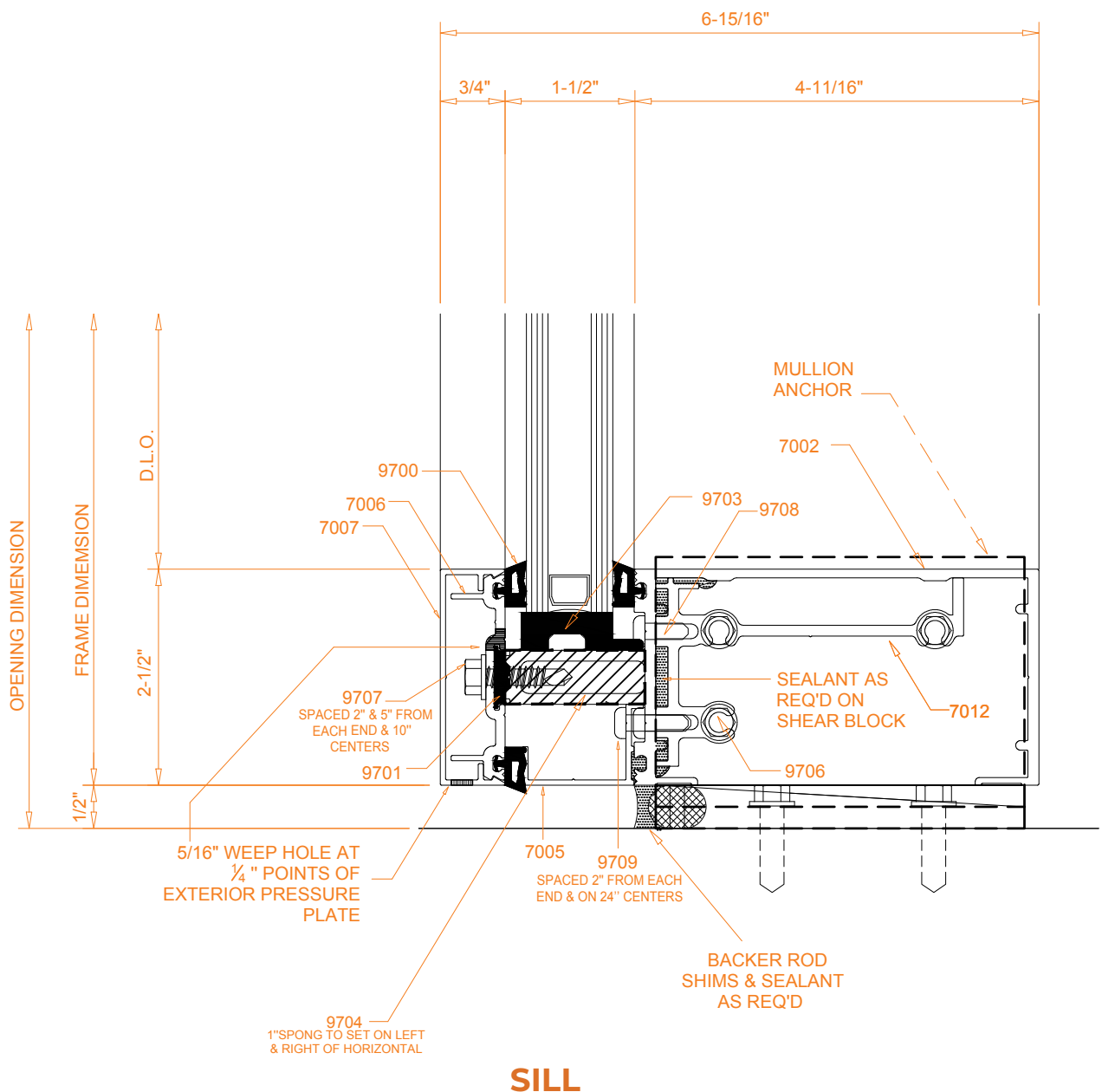
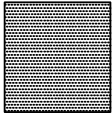
### Detail G & H

**SEALANT**



**HEAD**

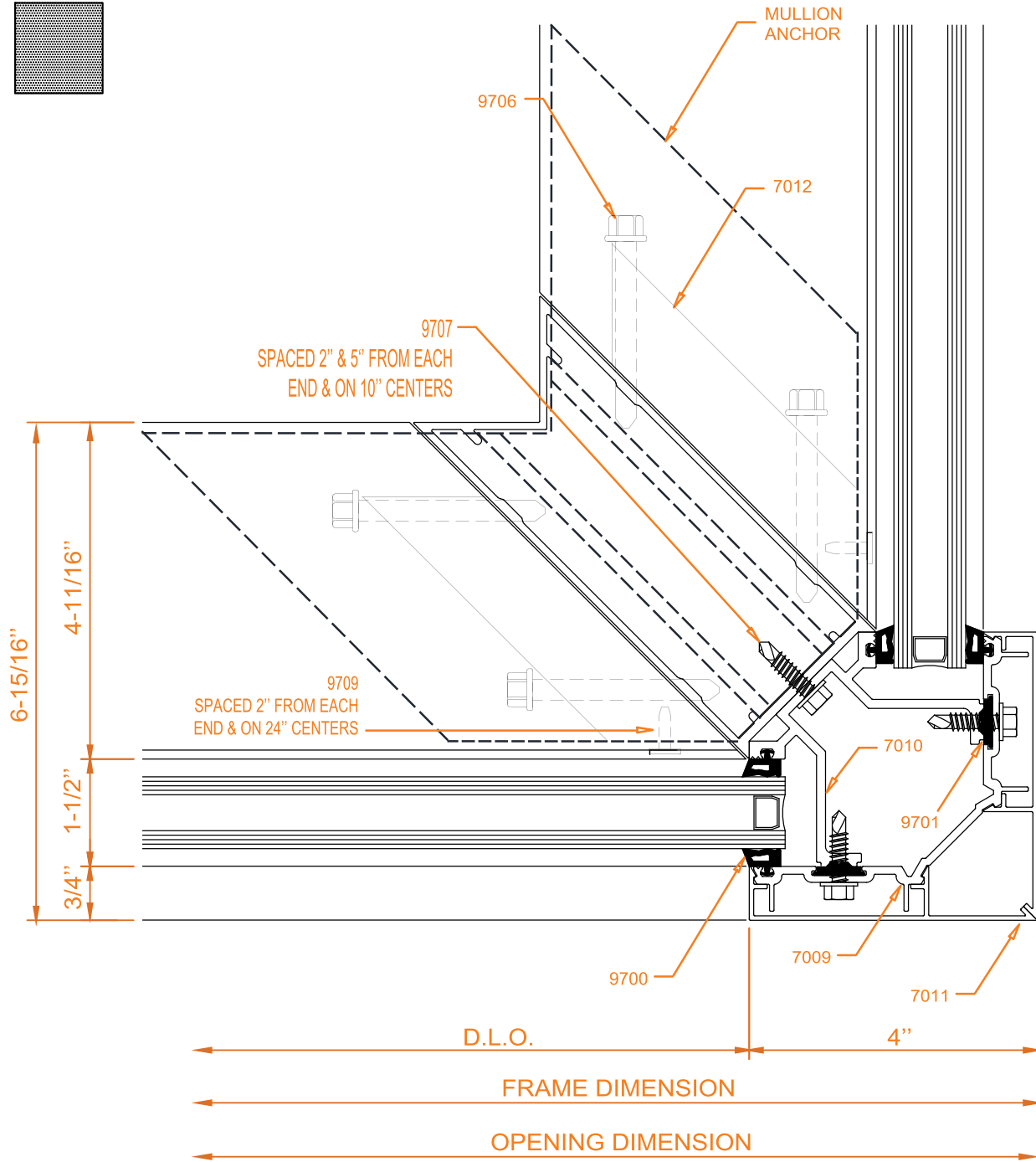
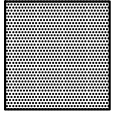
**SEALANT**



# 7000 Series Curtain Wall

2-1/2" X 7" System for 1" Glazing

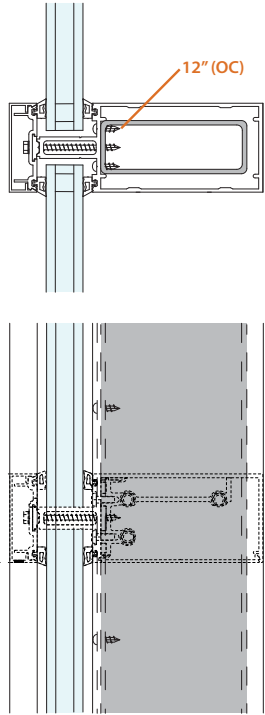
**SEALANT**



**CORNER**

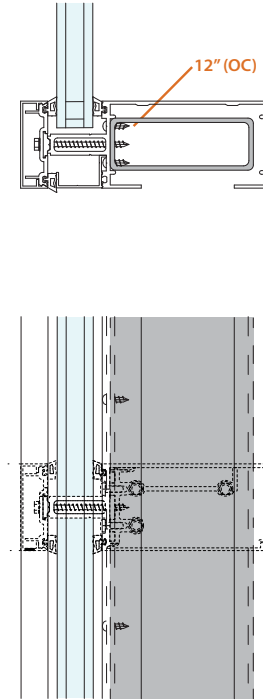
**Details**

**M**

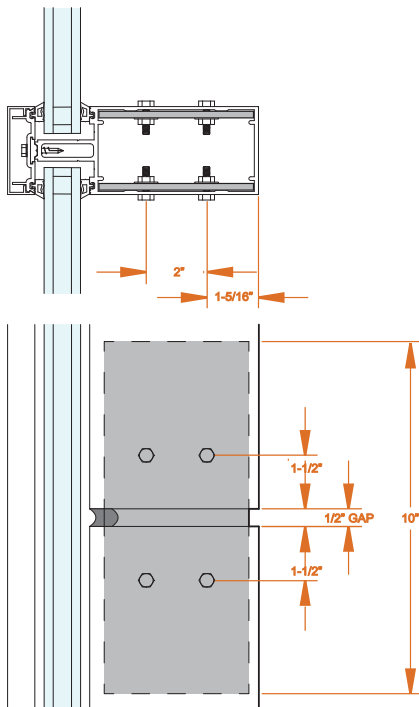


**STEEL REINFORCEMENT MULLION**

**N**

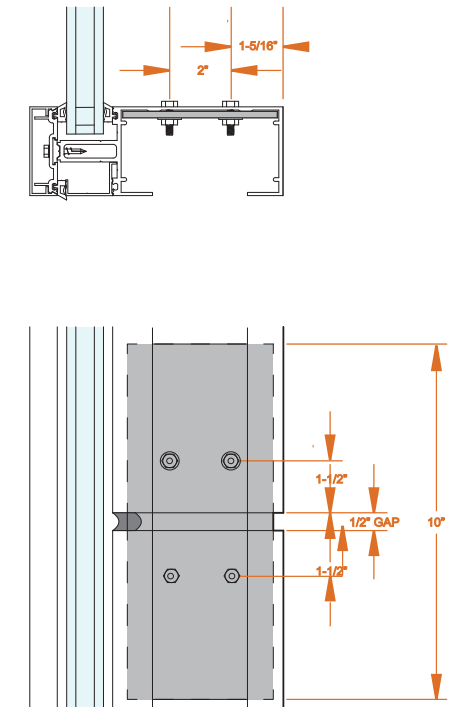


**K**



**MULLION SPLICE**

**L**



**JAMB SPLICE**

### INFORMATION

All framing members shown in this section, unless noted otherwise, are stock items in Dark Bronze or Clear anodic coating, and are available for prompt shipment. Other anodic coatings or painted finishes are also available upon inquiry.

### 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 2-1/2"x7" Curtain Wall 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, not less than 2.86 PSF. (AAMA 1.07.6.F), Dynamic Water penetration tested in accordance with AAMA 501.1-05, Structural Performance tested in accordance with ASTM E 330-02

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 thick.

...an Architectural 204-R1 anodic coating conforming to Aluminum Association Standard AA-M10 C22 A31 .4 Mill coating.

##### 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 2-1/2". Overall depth shall be 7" with a 1.508" glass pocket width. Entrance framing members shall be compatible with glass framing in appearance.

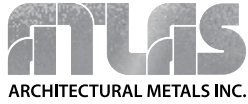
#### III. EXECUTION

##### 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.

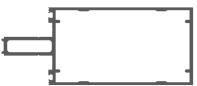







##### PROTECTION AND CLEANING

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.

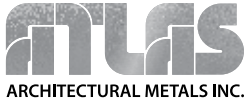


<b>7000 Series Curtain Wall</b>
<b>2-1/2" X 7" System</b>

**2-1/2" x 7" CURTAIN WALL**


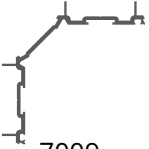
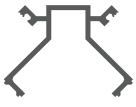




ITEM	DESCRIPTION	STOCK LENGHT	FINISH		
 7000	VERTICAL MULLION	24'-1"	CLEAR	BRONZE	MILL
 7001	HORIZONTAL MULLION	24'-1"	CLEAR	BRONZE	MILL
 7002	JAMB/ HEAD/ SILL	24'-1"	CLEAR	BRONZE	MILL
 7003	HORIZONTAL POCKET FILLER TRIM	24'-1"	CLEAR	BRONZE	MILL
 7004	REDUCER 1/4"	24'-1"	CLEAR	BRONZE	MILL
 7005	PERIMETER ADAPTER	24'-1"			MILL
 7006	PRESSURE BAR	24'-1"			MILL
 7007	FACE CAP	24'-1"	CLEAR	BRONZE	MILL









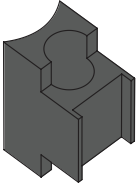
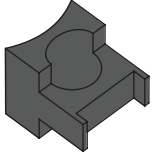
## 7000 Series Curtain Wall

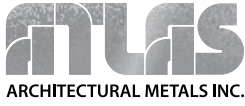
### Accessories

ITEM	DESCRIPTION	Stock Lengths	FINISH		
 7008	CORNER MULLION	24'-1"	CLEAR	BRONZE	MILL
 7009	CORNER PRESSURE PLATE	24'-1"			MILL
 7010	90 CORNER ADAPTER	24'-1"			MILL
 7011	CORNER FACE PLATE	24'-1"	CLEAR	BRONZE	MILL
 7012	SHEAR BLOCK	1 1/2"			MILL
	7013/M120 MULL ANCHOR FULL "T"	10'			MILL
	7013/M.5 MULL ANCHOR "T"	4.1875"			
	7014/120 MULL ANCHOR FULL "T"	10'			MILL
	7014/M.5 MULL ANCHOR "T"	4.1875"			

<b>7000 Series Curtain Wall</b>
<b>Accessories</b>

**2-1/2" x 7" CURTAIN WALL**

ITEM	DESCRIPTION	PART No.	STOCK / LENGHTS
	DENSE PRESET GASKET	9700XXFX	PER FOOT
		9700XXRX	PER 250' ROLL
	PRESSURE BAR GASKET	9700XXFX	PER FOOT
		9700XXRX	PER 500' ROLL
	1" SETTING BLOCK	9702XXXX	PER PIECE
	1/4" SETTING BLOCK	9703XXXX	PER PIECE
	1" SPONGE	9704XXXX	PER BAG 100CT.
	1/4" SPONGE	9705XXXX	PER BAG 100CT.



7000 Series Curtain Wall

Accessories

ITEM	DESCRIPTION	PART No.	QUANTITY
	#12 x 1-3/4" SLOTTED WASHER SHEET METAL SCREW ZINC	9706/XBAG	100 PIECES PER BAG
	#14 x 1" HEX WASHER SELF DRILLING SCREW ZINC	9707/XBAG	100 PIECES PER BAG
	#12 x 1/2" PHILLIPS PAN SHEET METAL SCREW ZINC	9708/XBAG /9105/XBAG	100 PIECES PER BAG
	#10 x 1" PHILLIPS PAN SHEET METAL SCREW ZINC	9709/XBAG	100 PIECES PER BAG
	CURTAIN WALL JIG	9715XXXX	1 PC

# H500 Hurricane Resistant System



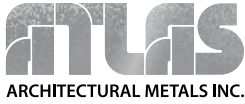
## Features

- Thermal option
- Wet and Dry glaze
- 9/16" reducer option
- Screw spline assembly
- Overall dimensions 2-1/2" x 5"
- Mechanical lock with thermal lanced method

The H500 hurricane resistant system storefront is designed for a 1-5/16" glass. This system meets the Miami Dade County and TDI requirements, with up to a 10'-0" tall span.







## H500 Series Hurricane System

### Thermal Barrier In House Machinery

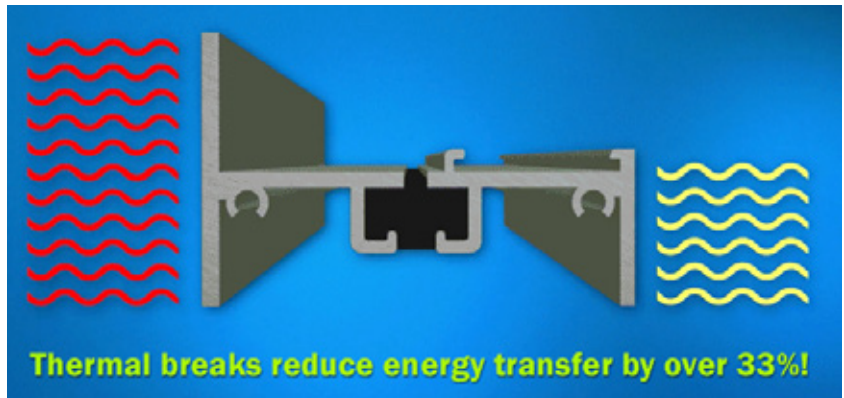


Our Lancer is a mechanical device that works inline with pour and debridge processing machinery to prepare and condition the thermal barrier pocket in our aluminum extrusions prior to the polyurethane polymer filling step.

The Lancer provides a unique method of punching the profile material to produce inward curving lanced indentations along the lugs in the pour cavity in such a way as to produce a structural mechanical lock.

The Lancer also enhances the shear strength of the resulting polymer and aluminum composite.

Not only it enhances its strength but also helps reduce energy transferred through the thermal barrier.



### INFORMATION

All framing members shown in this section, unless noted otherwise, are stock items in Dark Bronze or Clear anodic coating, and are available for prompt shipment. Other anodic coatings or painted finishes are also available upon inquiry.

### 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 2-1/2"x5" Center Plane Screw Spline 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 and ASTM E 1996 Impact Resistance Performance Test

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, not less than PSF. (AAMA 1.07.6.F), Dynamic Water Resistance shall be tested in accordance with AAMA 501.1./ASTM E 1996-20 Impact Testing. Large Missile. Test Performed ASTM E 1886-19, ASTM E 330-14 Structural Performance of Exterior Windows

Structural performance shall be used on: \*Maximum deflection to 1/175 of the span.

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 on of the following).

...an Architectural Dark Bronze Class 2 anodic coating with color conforming to Aluminum Association Standard AA-M10 C22 A34, .4 Mill coating.

...an Architectural 204-R1 anodic coating conforming to Aluminum Association Standard AA-M10 C22 A31 .4 Mill coating.

##### 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 2-1/2". Overall depth shall be 5" with a 1.687" glass pocket width. Entrance framing members shall be compatible with glass framing in appearance.

#### III. EXECUTION

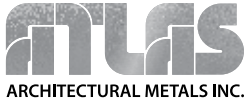
##### INSTALLATION

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

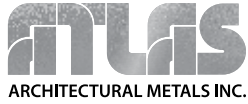
After installation, the General Contractor shall adequately protect exposed portions of aluminum surfaces from damage by grinding and polishing compounds, plaster, lime, acid, cement, or other contaminants. The General Contractor shall be responsible for final cleaning.







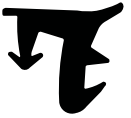


**H500 Hurricane System**  
 2-1/2" X 5" Thermal & Non-thermal

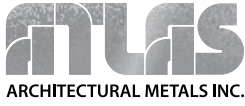
ITEM	DESCRIPTION	STOCK LENGHT	FINISH	
 8946	H500 PERIMETER JAMB MATES WITH 8947, 8950, 8953, 9010	24' - 1"	CLEAR	BRONZE
 8947	H500 REDUCER FOR 9/16" GLASS MATES WITH 8946, 8948, 8949, 8951,8952, 9019	24' - 1"	CLEAR	BRONZE
 8948	H500 HEAVY WALL VERTICAL JAMB MATES WITH 8947, 8949, 8953,8950, 9010	24' - 1"	CLEAR	BRONZE
 8949	H500 POCKET FILLER MATES WITH 8947, 8948, 8950, 9010, 9019	24' - 1"	CLEAR	BRONZE
 8951	H500 HEADER MATES WITH 8953, 8950, 9010	24' - 1"	CLEAR	BRONZE
 8952	H500 INTERMEDIATE / SILL MATES WITH 8954, 8947, 8950, 9010	24' - 1"	CLEAR	BRONZE
 8953	H500 PERIMETER FILLER MATES WITH 8946,8948, 8951, 9019	24' - 1"	CLEAR	BRONZE
 8954	H500 FACE CAP MATES WITH 8952	24' - 1"	CLEAR	BRONZE



**H500 Hurricane System**  
**2-1/2" X 5" Thermal & Non-thermal**









ITEM	DESCRIPTION	STOCK LENGHT	FINISH		
 8955	H500 SILL PAN / FLASHING	24'-1"	CLEAR	BRONZE	
 8950	H500 DOOR STOP (2" THICK DOORS ONLY) MATES WITH 8946, 8948, 8949, 8951, 8952, 9019	24'-1"	CLEAR	BRONZE	
 9010	H500 DOOR STOP ( 1-3/4" THICK DOORS ONLY) MATES WITH 8946, 8948, 8949, 8951, 8952,9019	24'-1"	CLEAR	BRONZE	
 8956	H500 LIGHT WALL MULLION MATES WITH 8949, 8953, 8950, 9010	24'-1"	CLEAR	BRONZE	
 9100XXRX	FLUSH GLAZE ( ROLL )	250'			BLACK

**2-1/2" X 5" (THERMAL) H500 HURRICANE**



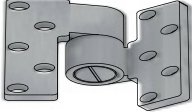

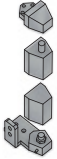






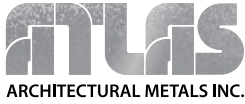
## H500 Hurricane System

### Hardware


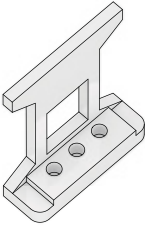

ITEM	DESCRIPTION	QUANTITY
 8015	H-500 WATER DIVERTER	25ct.
	H-500 END DAM 5"	25ct. 12'
 9817/XBAG	H-500 FRAMING BOLT #14 x 1" HHSTS B POINT	100ct.
 9818/XBAG	#12 x 3/4" SELF DRILL PHILLIPS PAN HEAD SS410	100ct.
 9809/XXXX	BLACK 4" H500 H-EPDM SETTING BLOCK	4" PC.
 9810/XXRX	BLACK H-70 DURO SILICONE FRAME GASKET ( ROLL ) (WET GLAZE ONLY FOR 1-5/16" & 9/16")	300'
 9812/XXRX	BLACK H-70 DURO EPDM GASKET WITH LUBE ( ROLL ) (9/16" DRY GLAZE ONLY) (FOR REDUCER ONLY)	250'
 9812/XBOX	BLACK H-70 DURO EPDM GASKET WITH LUBE ( ROLL ) (1-5/16" DRY GLAZE ONLY)	250'

# Hardware

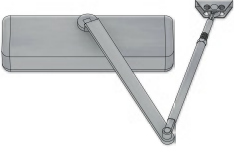

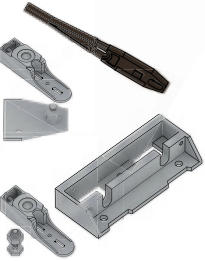



ITEM	DESCRIPTION	FINISH	PART No.			
				LOOSE	FAB TO DOOR	FAB TO FRAME
	4" X 4-1/2" FULL MORTISE BUTTS (NON HANDED) THIS ITEM IS STANDARD WHEN "BUTTS" ARE SPECIFIED (SCREWS ARE NOT INCLUDED).	CLEAR	9000CXXX			
		BRONZE	9000BXXX			
	BACKUP PLATE TAPPED FOR MORTISE BUTTS ABOVE.	CLEAR	9001MDXX			
			9001MFXX			
	M-19 INTERMEDIATE PIVOTS (HANDED) INCLUDES SCREWS	L.H.	CLEAR	9002CXLX		
			BRONZE	9002BXLX		
			BLACK	9002DXLX		
		R.H.	CLEAR	9002CXRX		
			BRONZE	9002BXRX		
			BLACK	9002DXRX		
	BACKUP PLATE TAPPED FOR INTERMEDIATE PIVOT ABOVE.		9003MXXX			
	OFFSET PIVOT ASSEMBLY. THIS ITEM IS STANDARD WHEN "OFFSET PIVOTS" ARE SPECIFIED. (HANDED).	L.H.	CLEAR	9004CXLX		
			BRONZE	9004BXLX		
			BLACK	9004DXLX		
		R.H.	CLEAR	9004CXRX		
			BRONZE	9004BXRX		
			BLACK	9004DXRX		
	(FULL MORTISE CONCEALED) CONTINUOUS GEAR HINGE 83" FOR 84" DOOR OPENING	CLEAR	9005CX83			
		BRONZE	9005BX83			
		BLACK	9005DX83			
	(FULL MORTISE CONCEALED) CONTINUOUS GEAR HINGE 95" FOR 96" DOOR OPENING	CLEAR	9005CX95			
		BRONZE	9005BX95			
		BLACK	9005DX95			
	(FULL MORTISE CONCEALED) CONTINUOUS GEAR HINGE 120" FOR 121" DOOR OPENING	CLEAR	9005CX120			
		BRONZE	9005BX120			
		BLACK	9005DX120			
	1" DOOR STOP KITS	CLEAR	9006CXXX			
		BRONZE	9006BXXX			



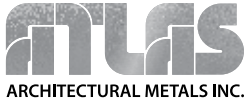
**Hardware**

ITEM	DESCRIPTION	FINISH	PART No.			
				LOOSE	FAB TO DOOR	FAB TO FRAME
	LEVER TYPE FLUSHBOLT WITH 12" THROW (THIS ITEM IS STANDARD ON INACTIVE LEAF OF A PAIR OF DOORS).	CLEAR	9009CXXX			
		BRONZE	9009BXXX			
		BRONZE	9009DXXX			
	STEEL TIP FLUSHBOLT WITH 12" THROW (THIS ITEM IS STANDARD ON HERCULES 2" THICK DOOR INACTIVE LEAF OF A PAIR OF DOORS). ** GUIDE NOT INCLUDED **	CLEAR	9009CHXX			
		BRONZE	9009BHXX			
		BLACK	9009DHXX			
	FLUSH BOLT GUIDES NARROW STILE - XXX RED MED/WIDE STILE - XXX WHITE	RED	9010RXXX			
		WHITE	9010WXXX			
	4.5" x 4" NRP HINGE ( 3 PC. BOX )		9816/XXXX			






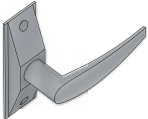

# Hardware

ITEM	DESCRIPTION	FINISH	PART No.			
				LOOSE	FAB TO DOOR	FAB TO FRAME
	SURFACE MOUNTED OVER HEAD CLOSER. VALVE WITH BACK CHECK (ADA CLOSER).	CLEAR	9011CXXX			
		BRONZE	9011BXXX			
		BLACK	9011DXXX			
	DROP PLATE FOR CLOSERS.	CLEAR	9012CXXX			
	ADA DROP PLATES.	BRONZE	9012BXXX			
	CONCEALED OVERHEAD CLOSER ADJUSTABLE RANGE SIZE 2 THROUGH 4	90° WITH OUT HOLD OPEN	9013X090			
		105° WITHOUT HOLD OPEN	9013X105			
		105° WITH HOLD OPEN	9013X0105			
	"D" CLIP OVERHEAD CONCEALED CLOSER MOUNTING PACKAGE.					
	OFFSET SLIDE ARM PACKAGE (INCLUDES SLIDE CHANNEL ASSEMBLY & OFFSET ARM WITH MOUNTING BRACKET)	CLEAR	9015CXXX			
		BRONZE	9015BXXX			
	DEADLOCK FACEPLATES WITH FELT. INCLUDES SCREWS.	CLEAR	9041CXLX			
			9041CXR X			
		BRONZE	9041BXLX			
			9041BXR X			
	LOCK INDICATOR	CLEAR	9040CXXX			
		BRONZE	9040BXXX			
		BLACK	9040DXXX			

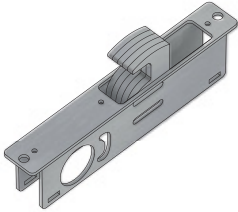
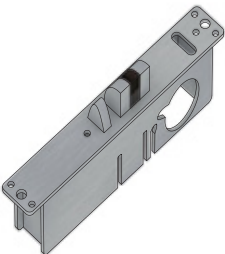
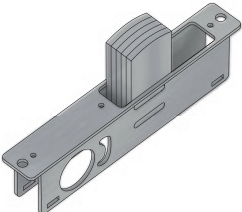



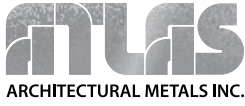


**Hardware**



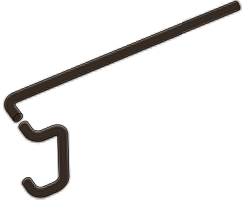

ITEM	DESCRIPTION	FINISH	PART No.	LOOSE	
	STANDARD KEY CYLINDER - 1-1/8" LENGTH/ 5 PIN WITH KEYWAY.	CLEAR	9018CSTD		
		BRONZE	9018BSTD		
		BLACK	9018DSTD		
	KEYED ALIK (2 OR MORE ) PRICED AS PAIRS	CLEAR	9018CLIK		
		BRONZE	9018BLIK		
		BLACK	9018DLIK		
	THUMB TURN CYLINDER - PRICED EACH	CLEAR	9019CXXX		
		BRONZE	9019BXXX		
		BLACK	9019DXXX		
	DUMMY CYLINDER - PRICED EACH	CLEAR	9020CXXX		
		BRONZE	9020BXXX		
		BLACK	9020DXXX		
	RIM CYLINDER - FOR USE WITH RIM PANICS - 5 PIN WITH KEYWAY (KEYED ALIKE AVAILABLE UPON REQUEST).	CLEAR	9021CXXX		
		BRONZE	9021BXXX		
		BLACK	9021DXXX		
	DEADLOCK FACE PLATES WITH SCREWS (STANDARD ON ALL DOORS - CALL FOR PRICES ON NON STANDARD FACE PLATES).	CLEAR	9022CXLX	9022CXRX	
			9022CXCX		
		BRONZE	9022BXLX	9022BXRX	
			9022BXCX		
		BLACK	9022DXLX	9022DXRX	
9022DXCX					
	LEVER HANDLE WITH CAM PLUG.	CLEAR	9023CXXX		
		BRONZE	9023BXXX		
	LATCH PADDLE WITH CAM PLUG. (PUSH)	CLEAR	9024CXLX		
			9024CXRX		
		BRONZE	9024BXLX		
			9024BXRX		

<h1>Hardware</h1>
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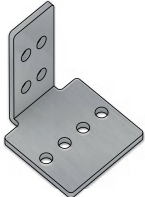
ITEM	DESCRIPTION	HAND	PART No.			
				LOOSE	FAB TO DOOR	FAB TO FRAME
	HOOK BOLT LOCK WITH A 1-1/8" BACKSET - LESS CYLINDERS (THIS ITEM IS STANDARD ON SLIDING DOORS).		9025MXXX			
	DEADLATCH WITH A 1-1/8" BACKSET WITH STRIKE PLATE - LESS CYLINDERS.	LEFT	9026MXLX			
		RIGHT	9026MXXR			
	LONG THROW DEADLOCK WITH A 1-1/8" BACKSET - LESS CYLINDER (THIS ITEM IS STANDARD ON STOCK DOORS).		9027MXXX			
	SPECIAL HEADER BOLT SET		9815/XXXX			



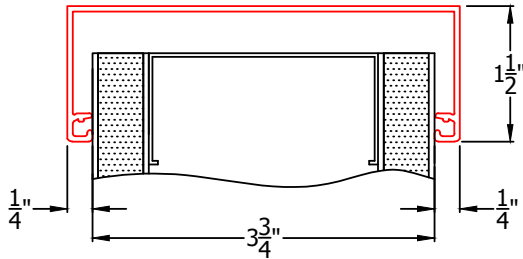
**Hardware**

ITEM	DESCRIPTION	FINISH	PART No.	LOOSE
	PULL HANDLE. THIS ITEM IS STANDARD ON ALL DOORS.	CLEAR	9028CXXX	
		BRONZE	9028BXXX	
		BLACK	9028DXXX	
	BTB MOUNTED PULLS.	CLEAR	9029CXXX	
		BRONZE	9029BXXX	
		BLACK	9029DXXX	
	PUSH BAR AND PULL HANDLE. (THIS ITEM IS STANDARD ON ALL DOORS).	CLEAR	9030CXXX	
		BRONZE	9030BXXX	
		BLACK	9030DXXX	
	ADJUSTABLE SWEEP STRIP (WITH RUBBER STRIP).	CLEAR 3'-0"	9031CX36	
		BRONZE 3'-0"	9031BX36	
		BLACK 3'-0"	9031DX36	
		CLEAR 12'-1"	3028C294	
		BRONZE 12'-1"	3028B294	
		BLACK 12'-1"	3028D294	

<h2 style="margin: 0;">Hardware</h2>
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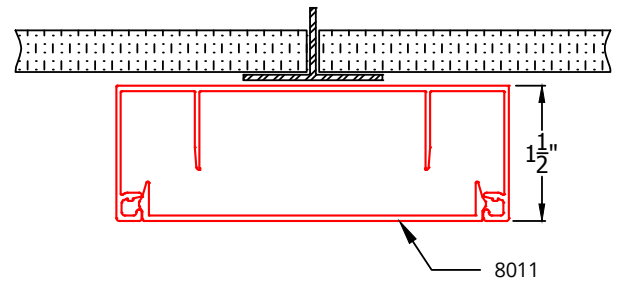
ITEM	DESCRIPTION	FINISH	PART No.			
				LOOSE	FAB TO DOOR	FAB TO FRAME
	CONCEALED ROD PANIC DEVICE ASSEMBLY (LESS CYLINDER, CYLINDER PAD & WIRE PULL).	CLEAR	9032CXXX			
		BRONZE	9032BXXX			
		BLACK	9032DXXX			
	RIM PANIC DEVICE ASSEMBLY (LESS RIM CYLINDER & WIRE PULL).	CLEAR	9033CXXX			
		BRONZE	9033BXXX			
		BLACK	9033DXXX			
	10" OFFSET PULL 5-16/18 THREAD	CLEAR	9034CXXX			
		BRONZE	9034BXXX			
	ALUMINUM THRESHOLD/JAMB FRAME CLIP (LESS SCREWS).	MILL	9035MXXX			

375 SERIES END CAP  
PART NUMBER 8000



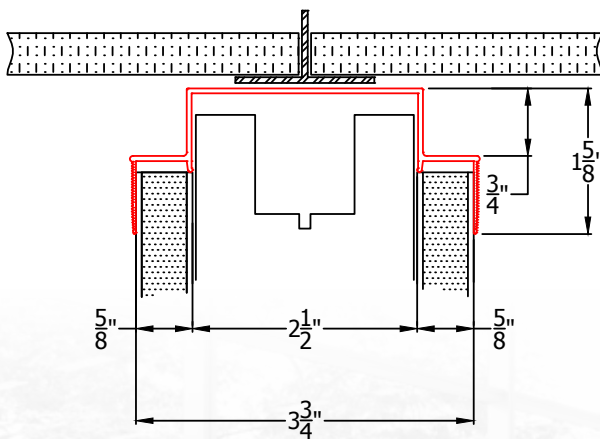
- Clear 202 R1
- Black 356 polyurethane
- Bronze 392 polyurethane

375 SERIES HEAD TRACK  
WITH FLUSH CLOSURE  
PART NUMBER 8002 & 8011



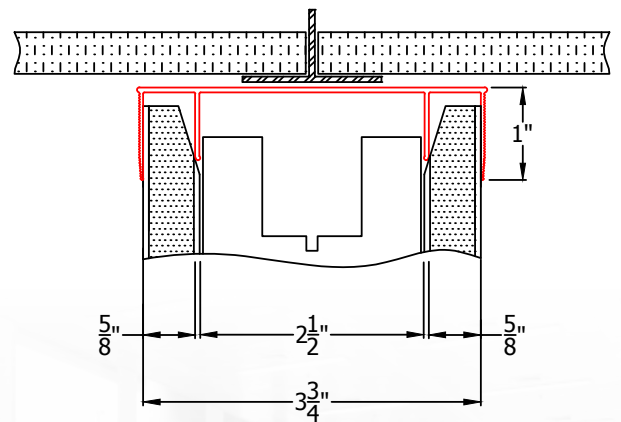
- Clear 202 R1
- Black 356 polyurethane
- Bronze 392 polyurethane

375 SERIES REVEAL  
PART NUMBER 8004



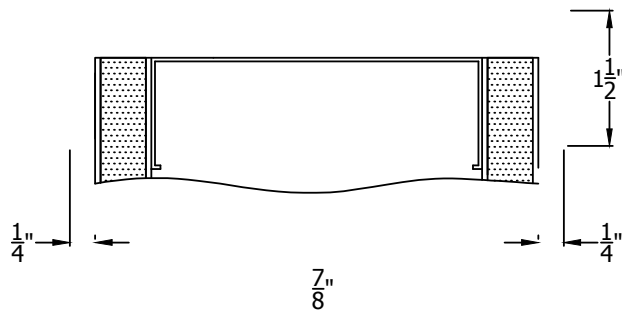
- Clear 202 R1
- Black 356 polyurethane
- Bronze 392 polyurethane

375 SERIES FLUSH  
PART NUMBER 8007



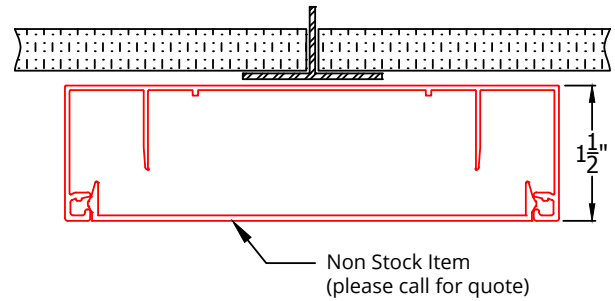
- Mill finish

487 SERIES END CAP  
PART NUMBER 8001



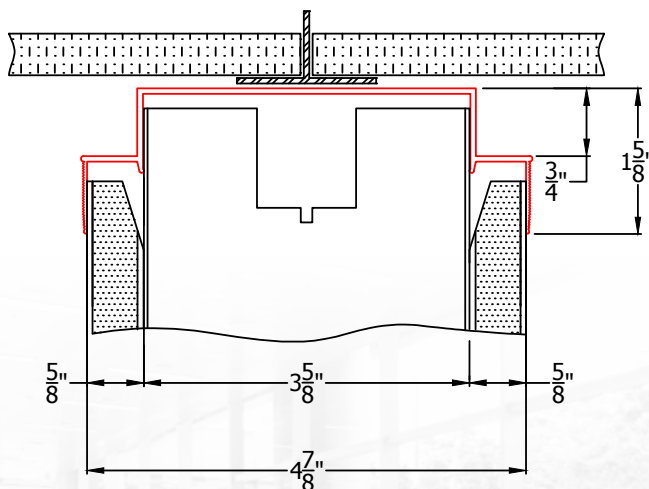
- Clear 202 R1
- Black 356 polyurethane
- Bronze 392 polyurethane

487 SERIES HEAD TRACK  
WITH FLUSH CLOSURE  
PART NUMBER 8003



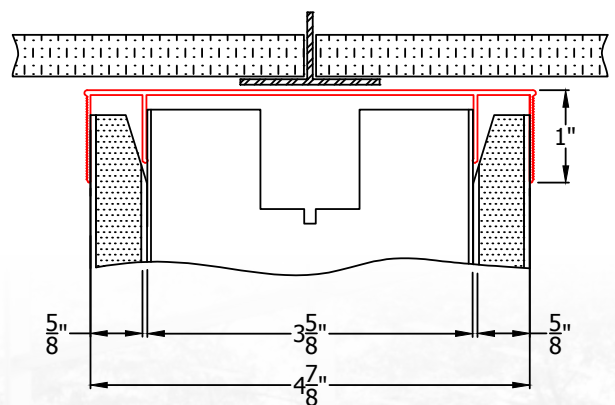
- Clear 202 R1
- Black 356 polyurethane
- Bronze 392 polyurethane

487 SERIES REVEA  
PART NUMBER 8006L



- Clear 202 R1
- Black 356 polyurethane
- Bronze 392 polyurethane

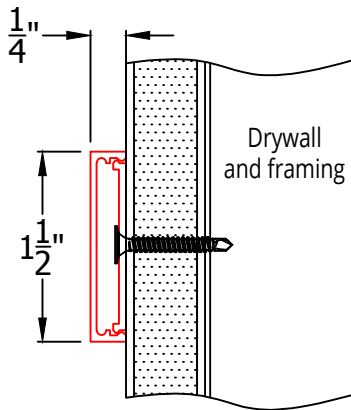
487 SERIES FLUSH  
PART NUMBER 8008



- Mill finish

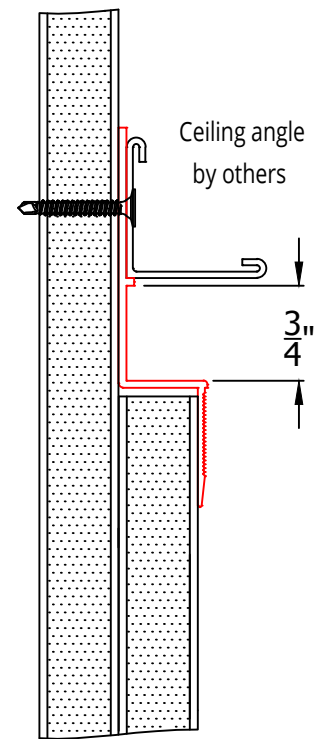


**Dummy Trim & Clip**  
Part Number 8009 & 9803



- Clear 202 R1
- Black 356 polyurethane
- Bronze 392 polyurethane

**3/4 Reveal Trim**  
Part Number 8005



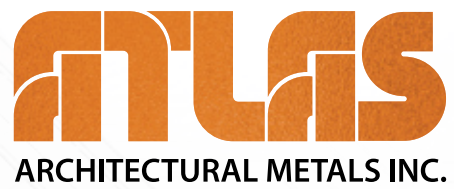
- Clear 202 R1
- Black 356 polyurethane
- Bronze 392 polyurethane

PART NO.	DESCRIPTION	FINISH	SIZE	RACE REF. NO.
800C110	375-END CAP	9'2"	PR 1A	
800D110	375-END CAP	BLACK	9'2"	PR 1A
800B110	375-END CAP	BRONZE	9'2"	PR 1A
8001C110	487-END CAP	BRONZE	9'2"	PR 1A
8001CD110	487-END CAP	BLACK	9'2"	PR 1A
8001B110	487-END CAP	BRONZE	9'2"	PR 1A
8002C127	375-HEADTRACK	CLEAR	10'7"	PR 1
8002D127	375-HEADTRACK	BLACK	10'7"	PR 1
8002B127	375-HEADTRACK	BRONZE	10'7"	PR 1
8003C127	487-HEADTRACK	CLEAR	10'7"	PR 1
8003D127	487-HEADTRACK	BLACK	10'7"	PR 1
8003B127	487-HEADTRACK	BRONZE	10'7"	PR 1
8003C127	DUMMY TRIM	CLEAR	12'	PR 21
8003D127	DUMMY TRIM	BLACK	12'	PR 21
8003B127	DUMMY TRIM	BRONZE	12'	PR 21
8004D144	375-3/4 REVEAL	BLACK	12'	FS 4
8005D144	375-3/4 REVEAL TRIM	BLACK	12'	FS 4 MB
8006D144	487-3/4 REVEAL	BLACK	12'	FS 4
8007M144	375-FLUSH	MILL	12'	FS 5
8008M144	487-FLUSH	MILL 12'	FS 5	
ACCESORIES				
9800XXX	SPLICE PLATE	X	X	X
9801XXX	ROLL PIN	X	X	X
9802XXX	SPLICE PLATE 90°	X	X	X
9803XXX	DUMMY TRIM CLIP	X	X	X

(All material above is in stock and available through will call/ Please call for prices)







11940 Brittmoore Park Dr.  
Houston, TX 77041

**P: 713-869-9551**

**F: 713-869-4254**

[atlasarchmetals.com](http://atlasarchmetals.com)