



ARCHITECTURAL METALS INC.

2024



THE SYMBOL
OF SERVICE

CURTAIN WALLS

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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



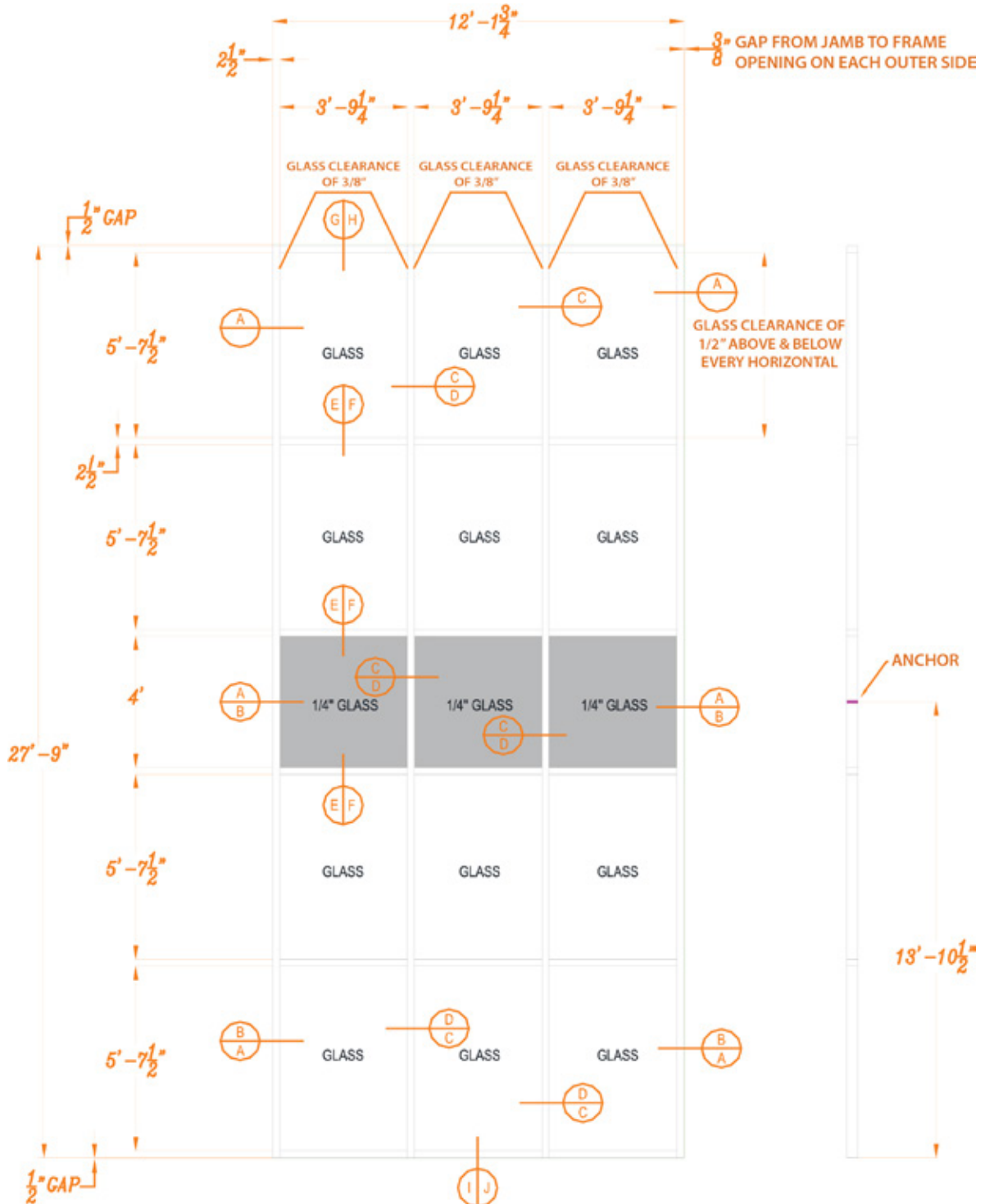
Features

- *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



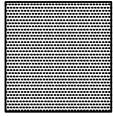
7000 - Series Curtain Wall Detail

Mockup Model as Tested

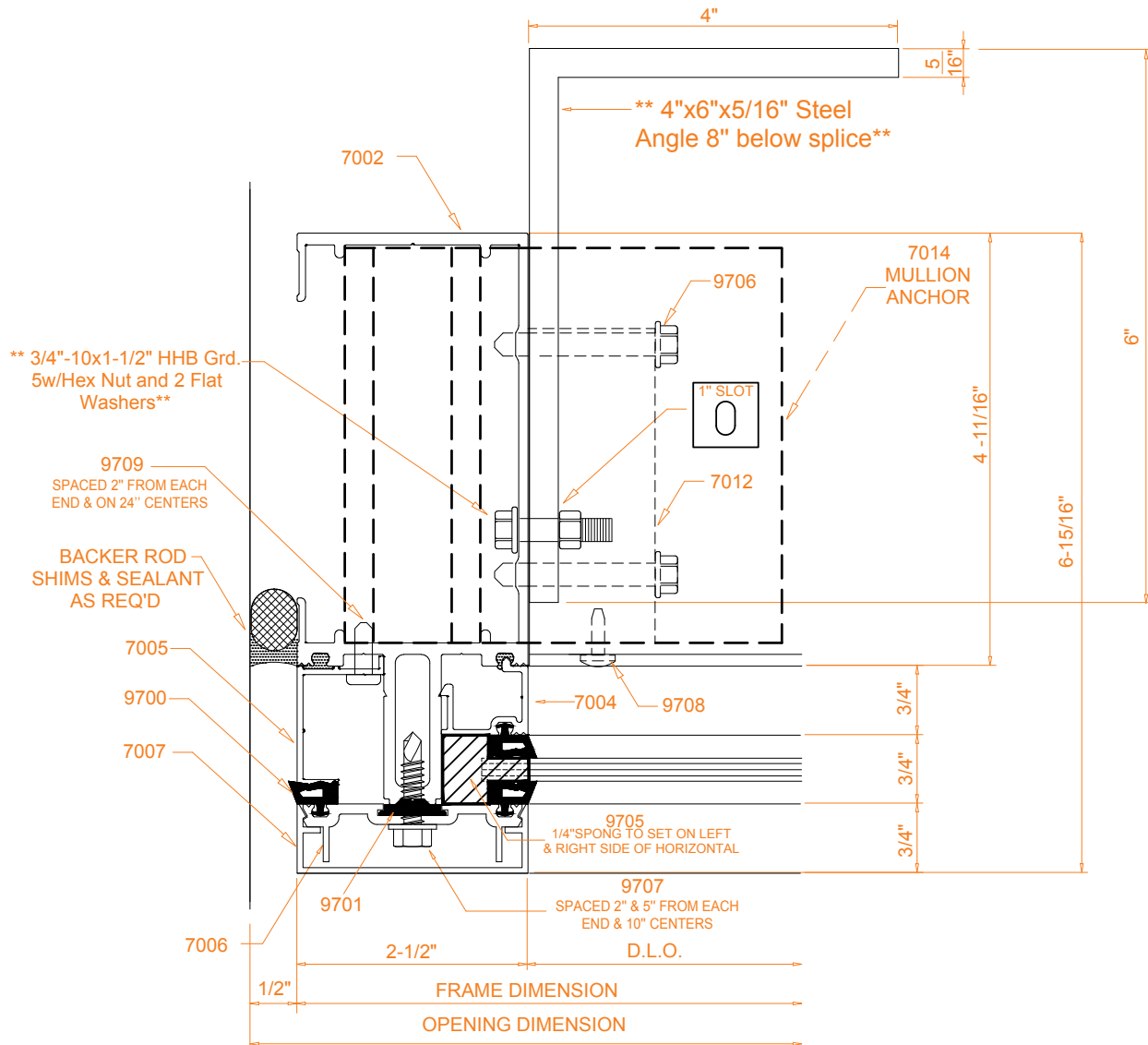


Detail A

SEALANT

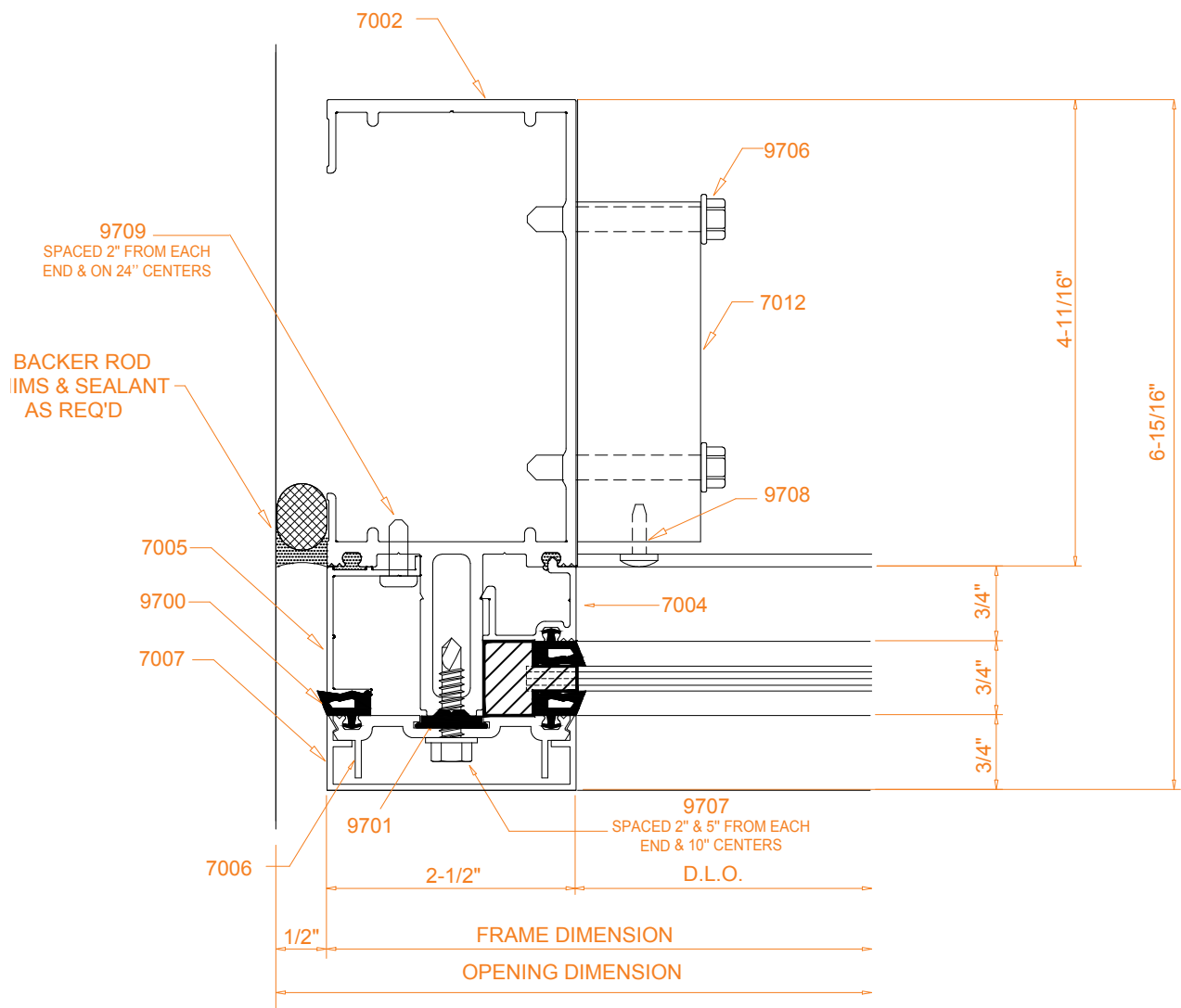
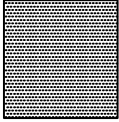


() HARDWARE TO BE PROVIDED BY INSTALLER**



JAMB

SEALANT



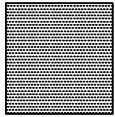
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7000 Series Curtain Wall

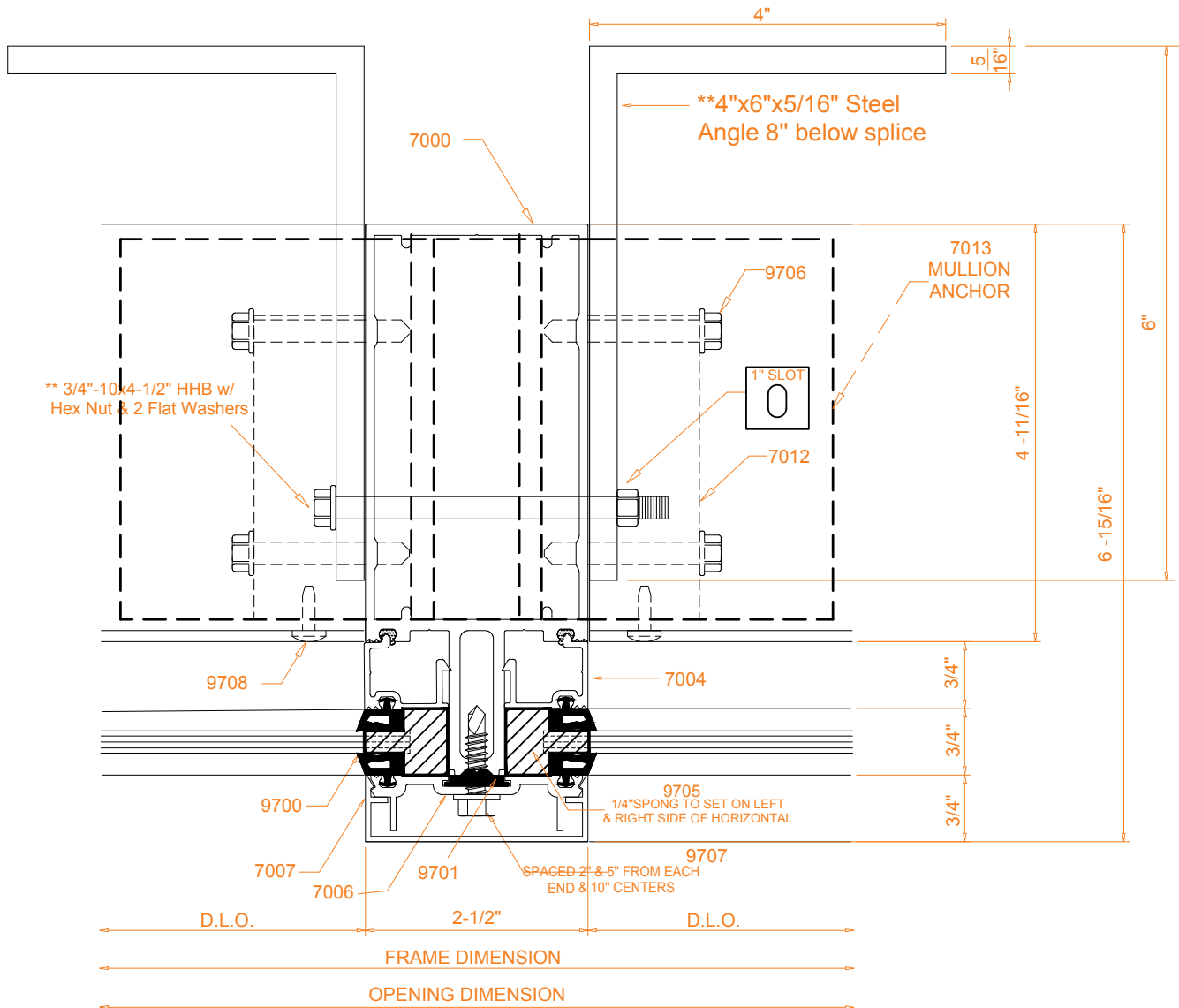
2-1/2" X 7" System for 1/4" Glazing

Detail C

SEALANT

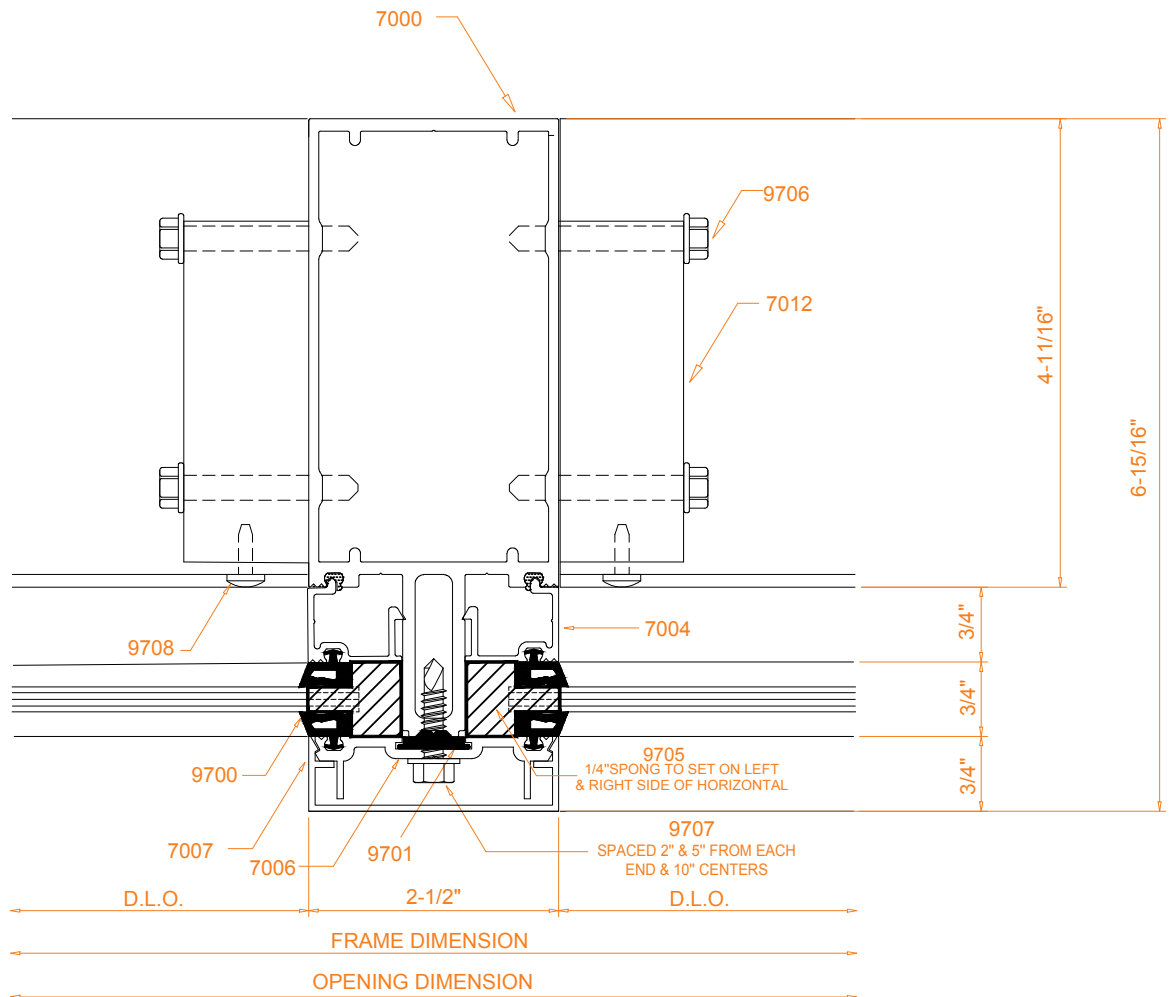
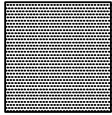


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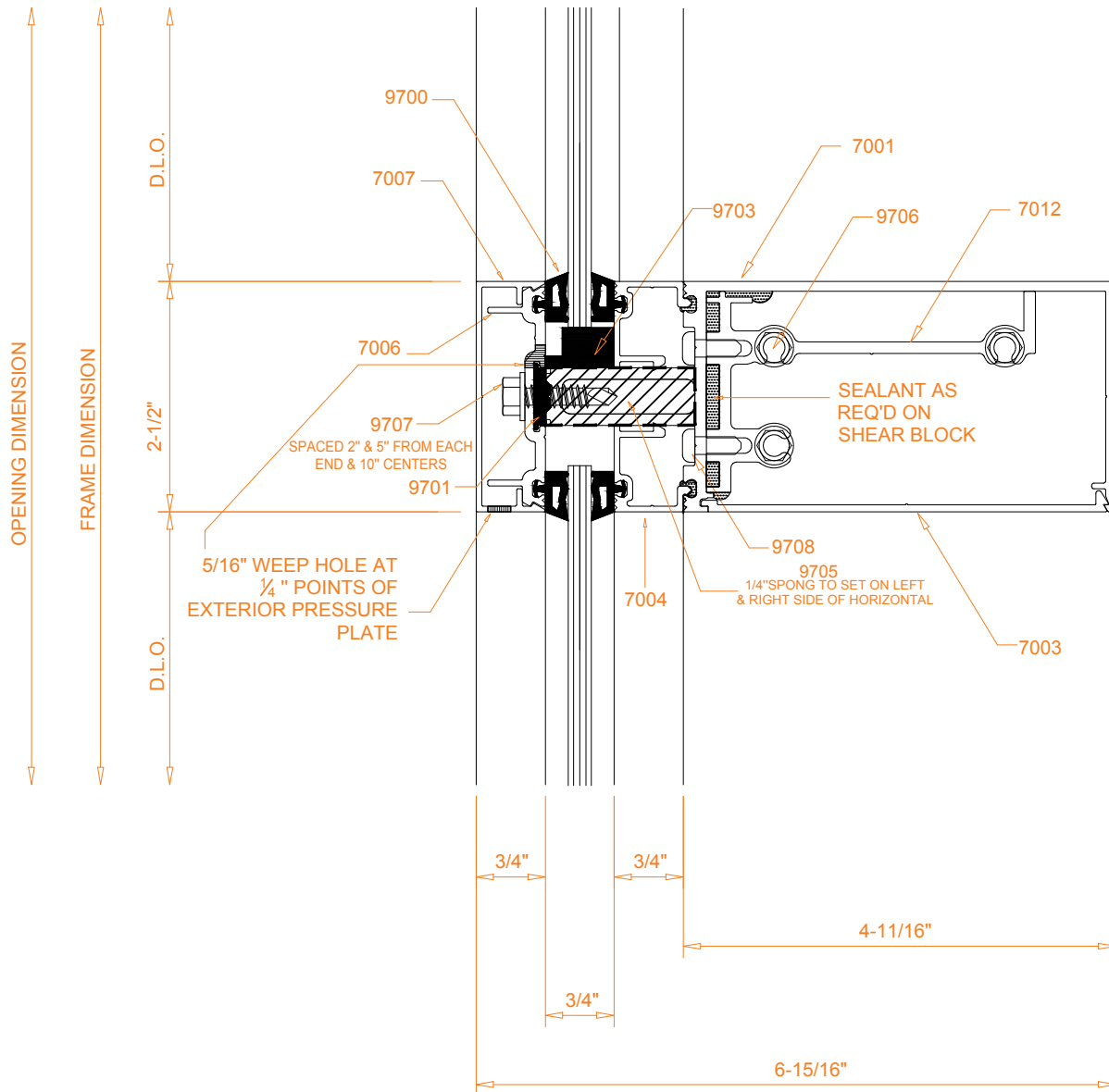
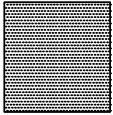
MULLION

SEALANT



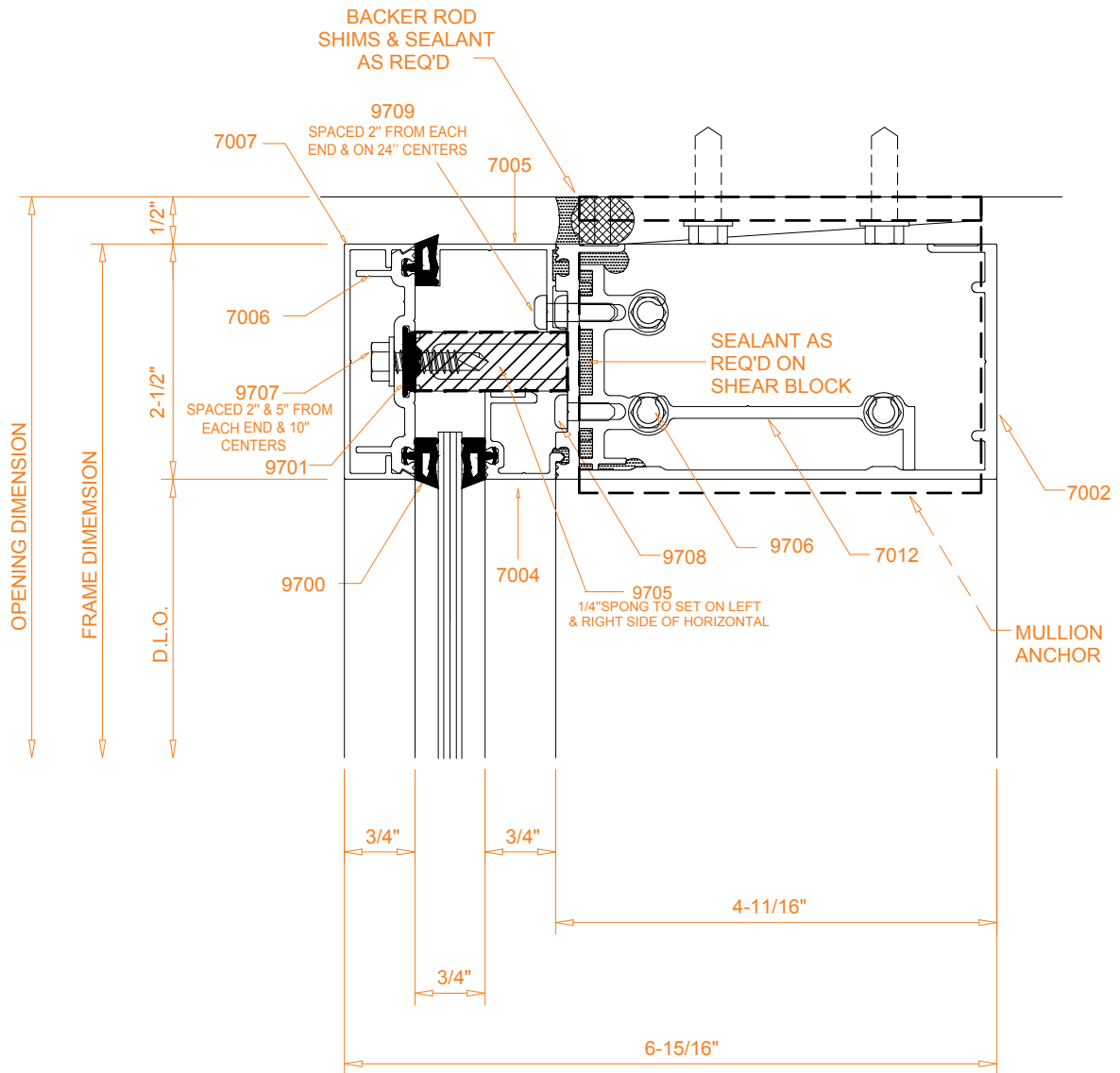
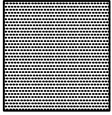
MULLION

SEALANT



INTERMEDIATE HORIZONTAL

SEALANT



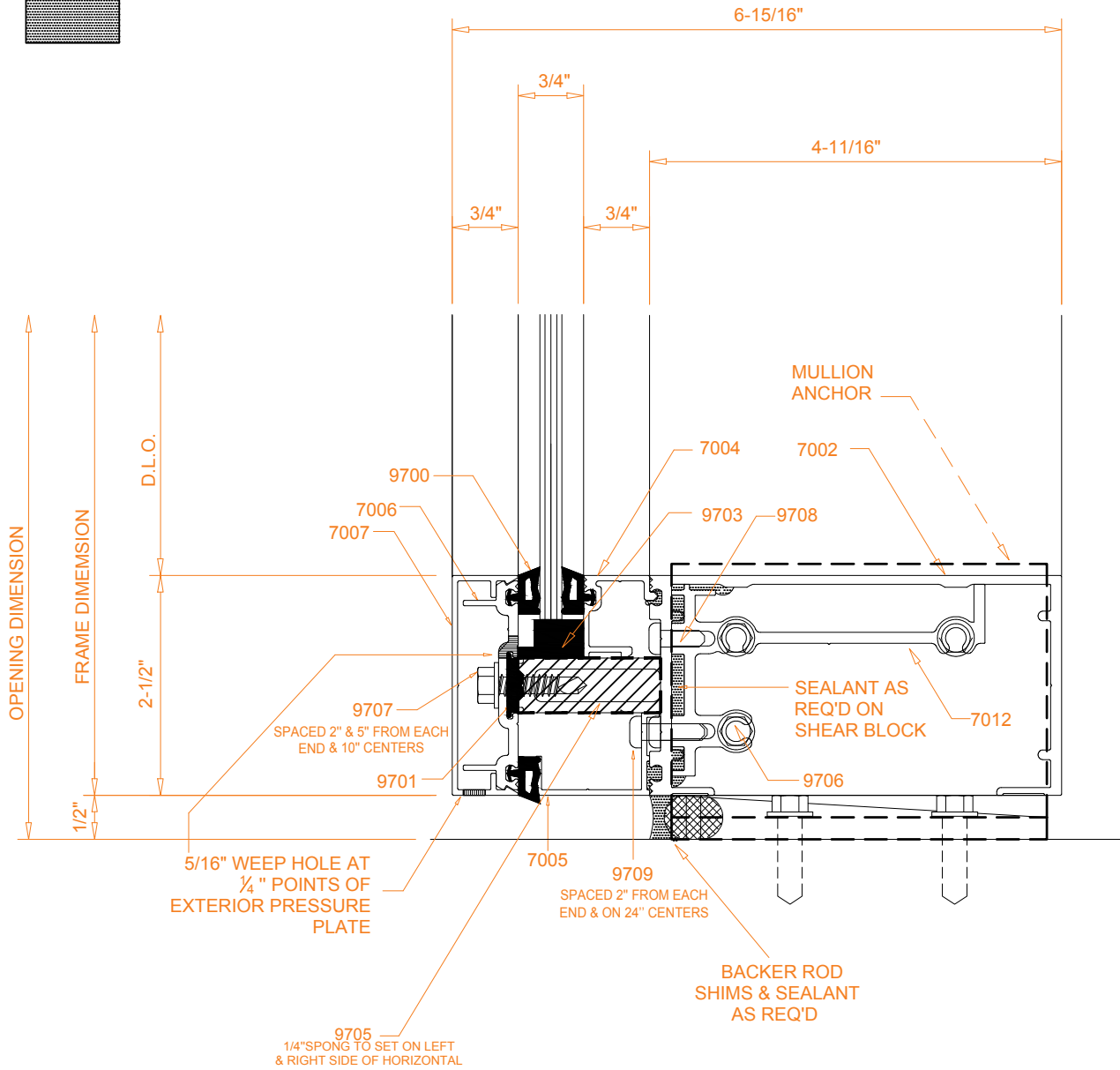
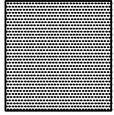
HEAD

7000 Series Curtain Wall

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

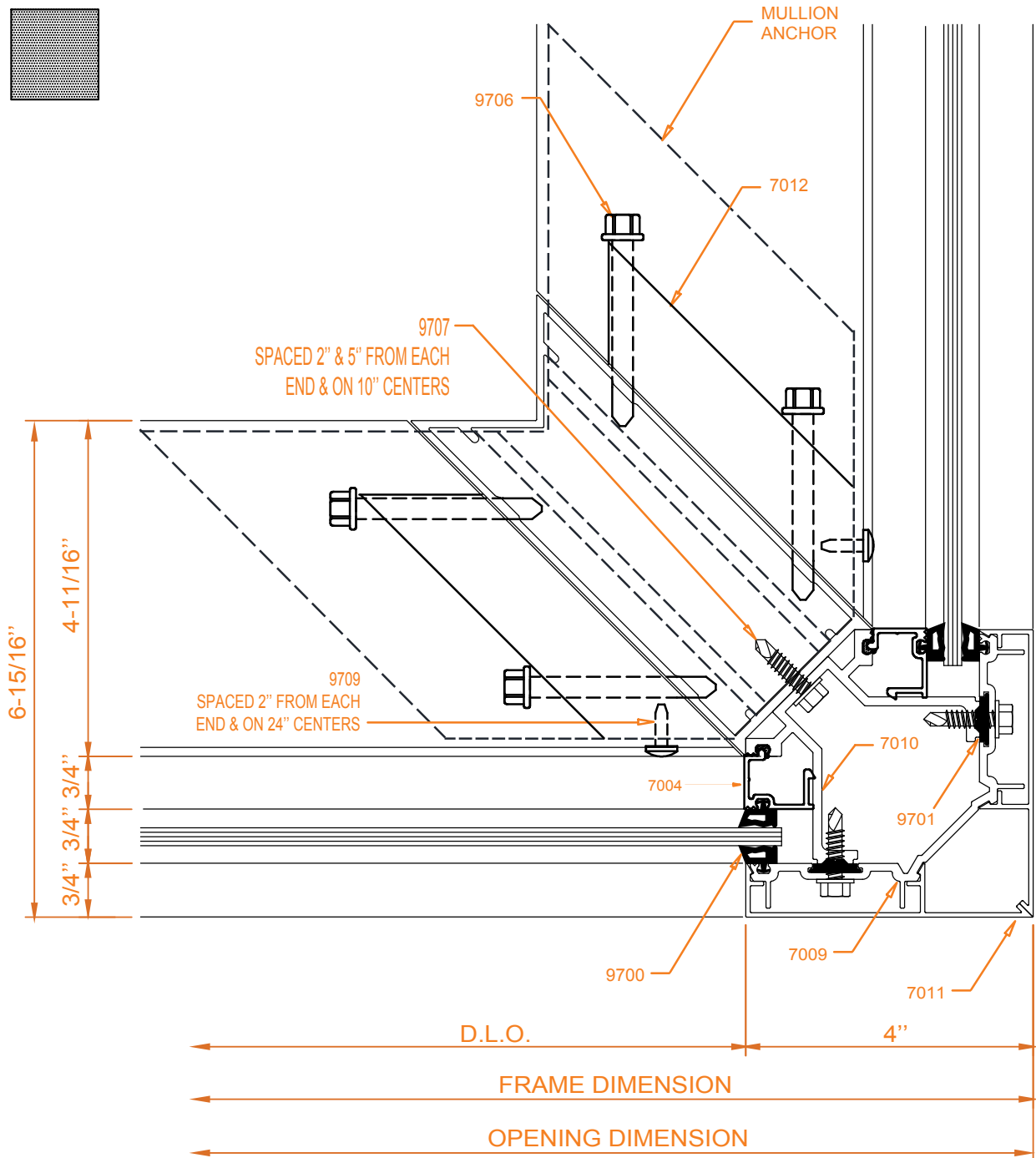
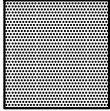
Detail I & J

SEALANT



SILL

SEALANT



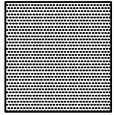
CORNER

7000 Series Curtain Wall

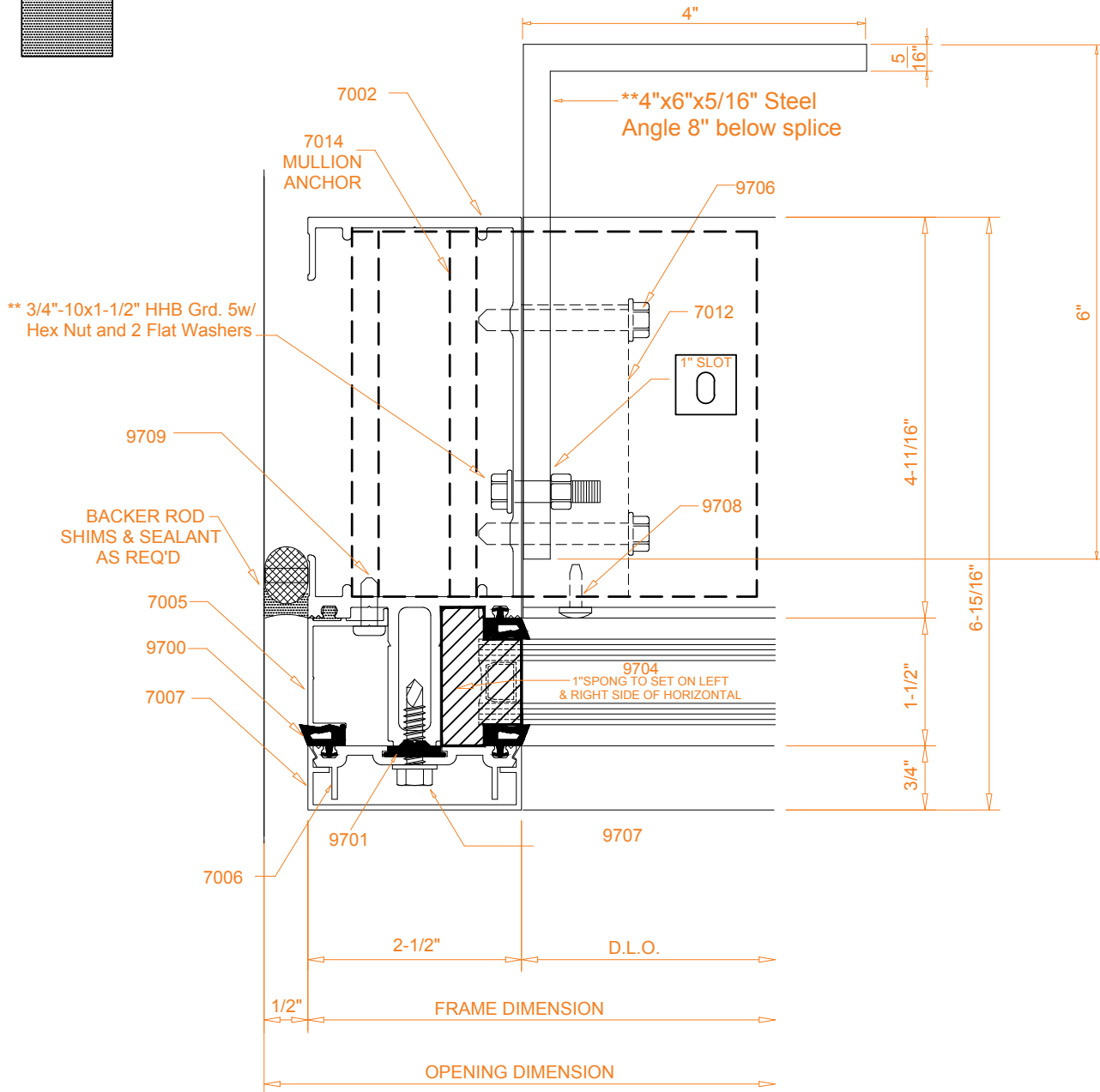
2-1/2" X 7" System for 1" Glazing

Detail A

SEALANT

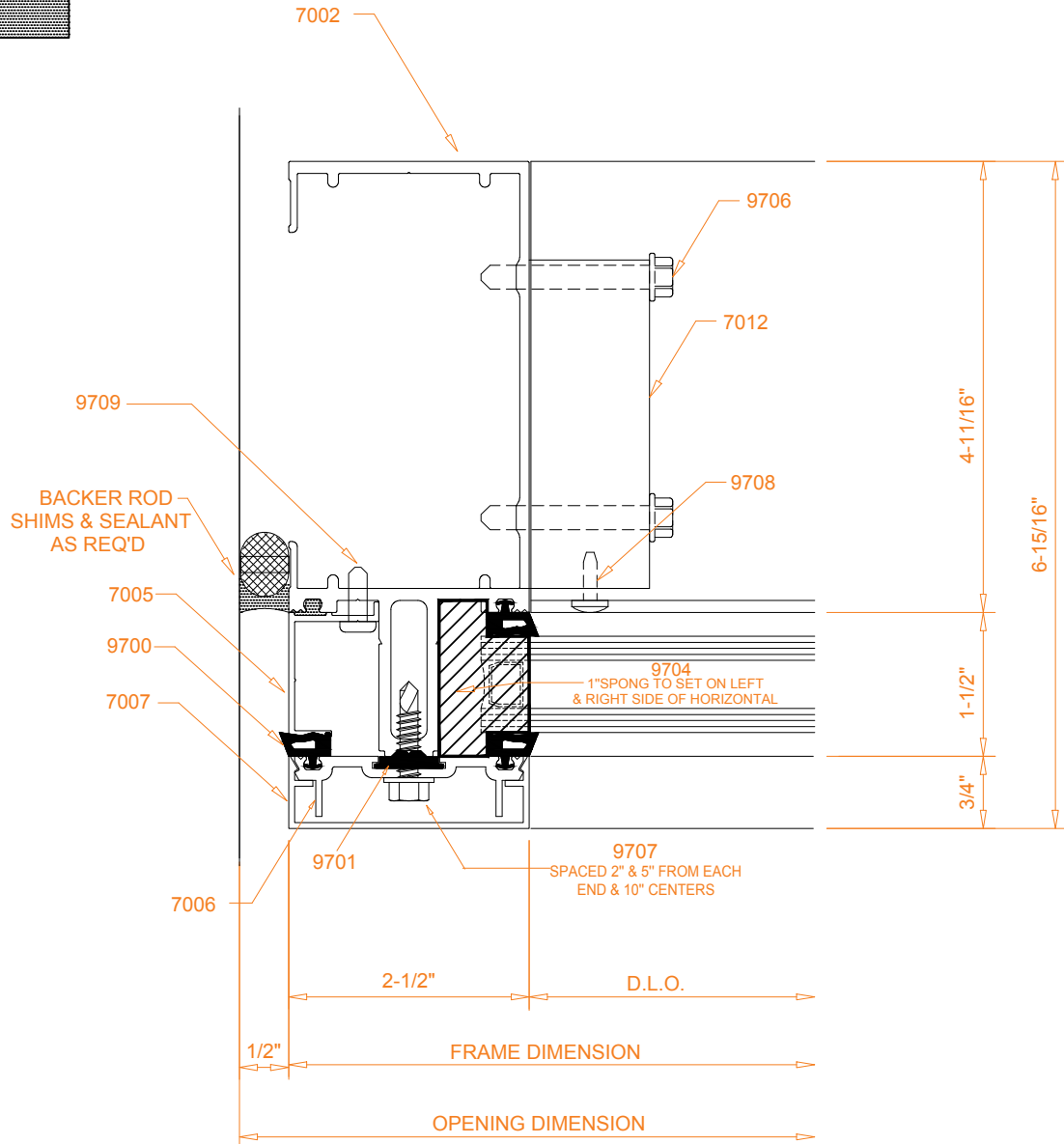
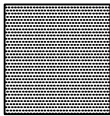


(**) HARDWARE TO BE PROVIDED BY INSTALLER



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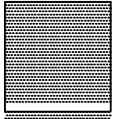
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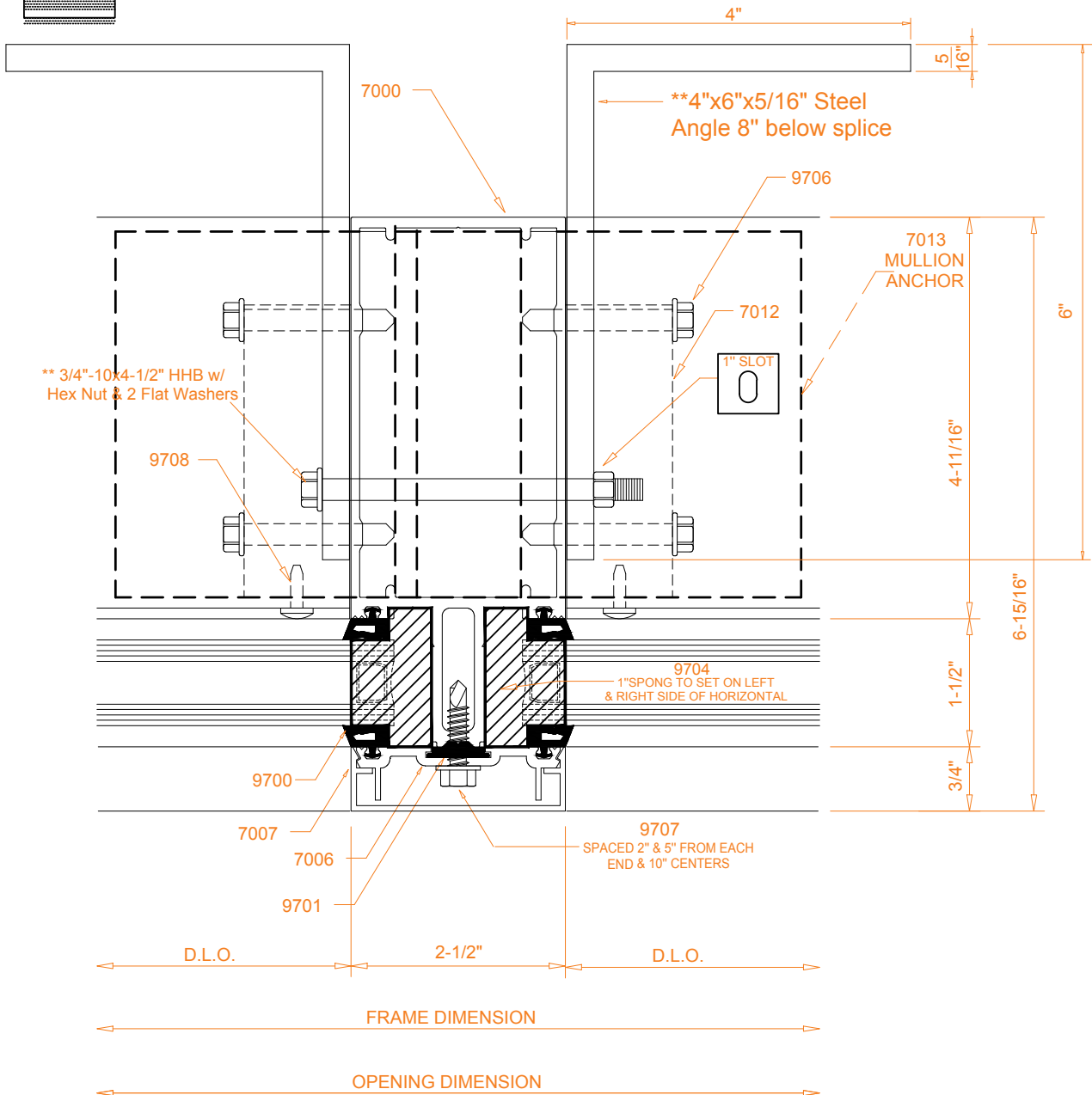
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Detail C

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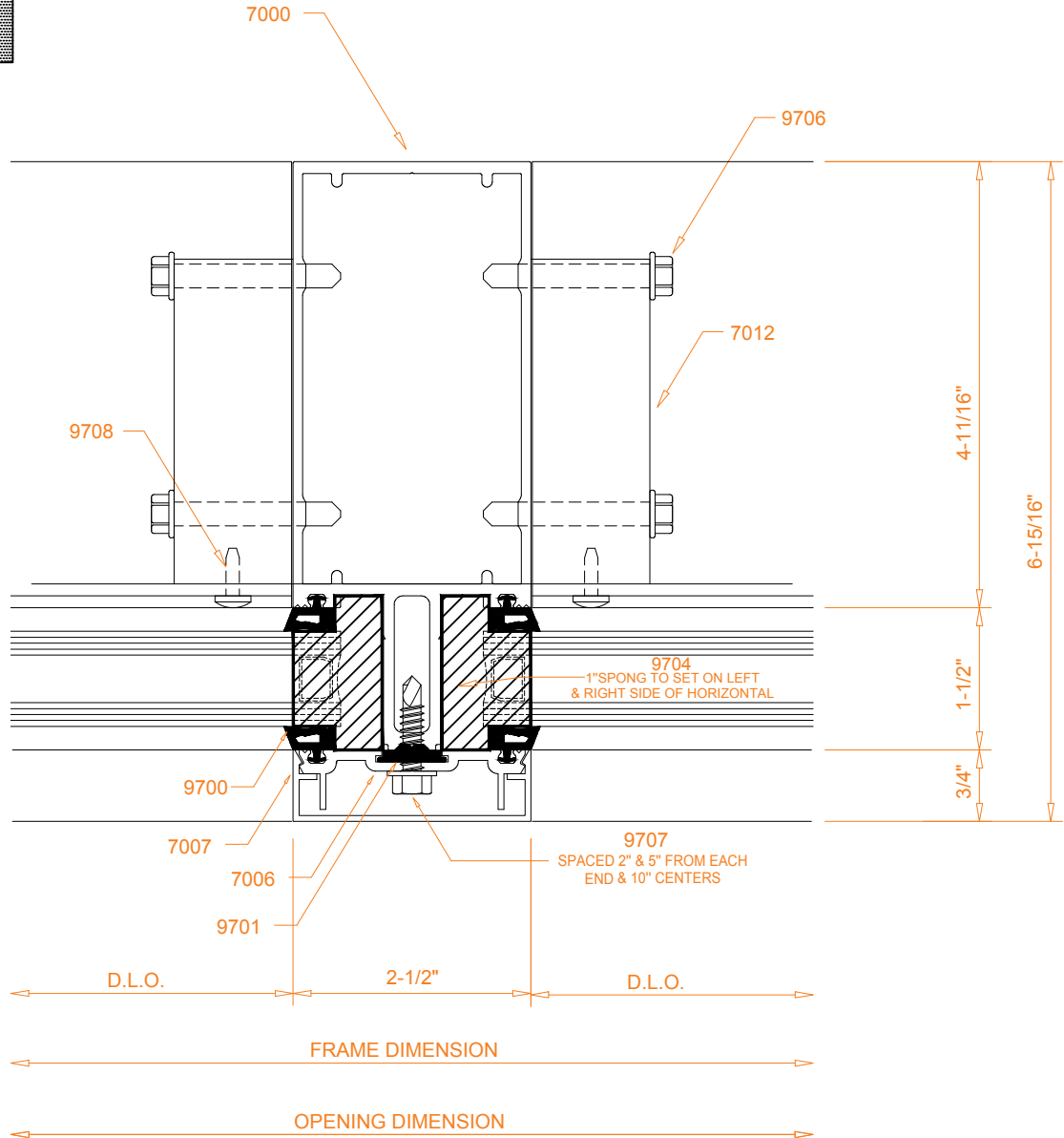
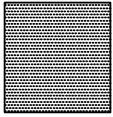


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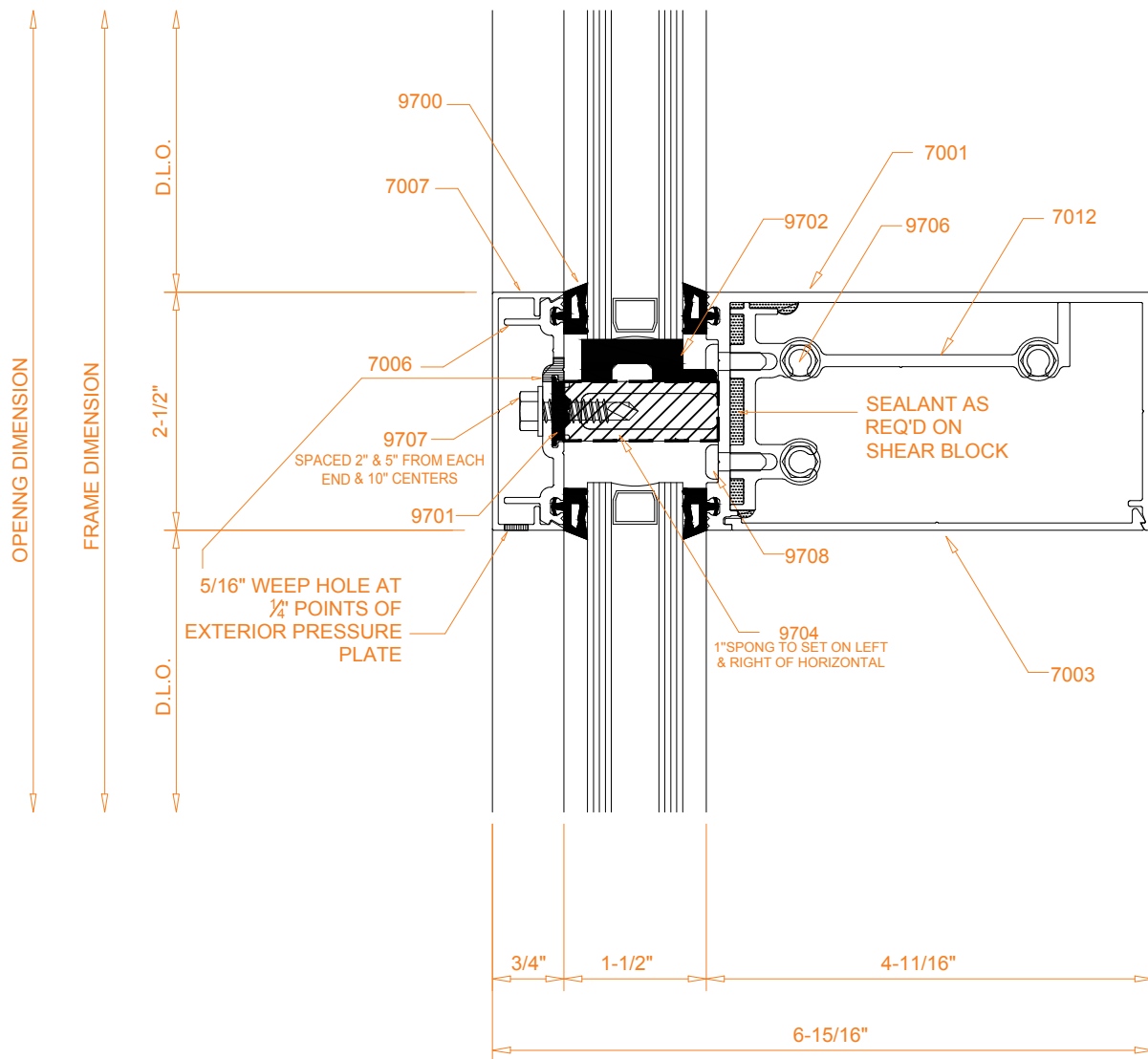
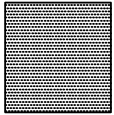
MULLION

SEALANT



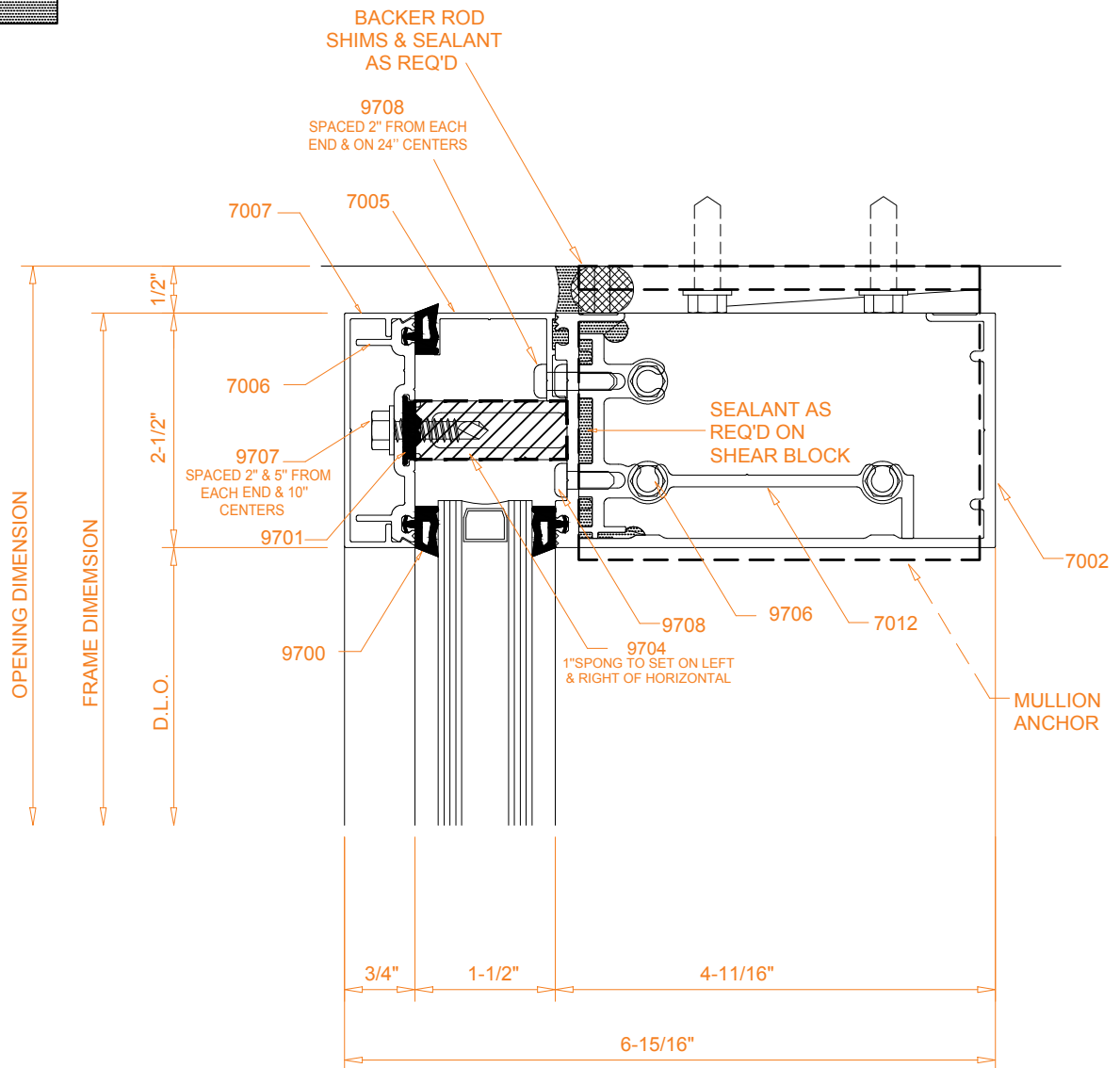
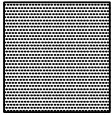
MULLION

SEALANT



INTERMEDIATE HORIZONTAL

SEALANT



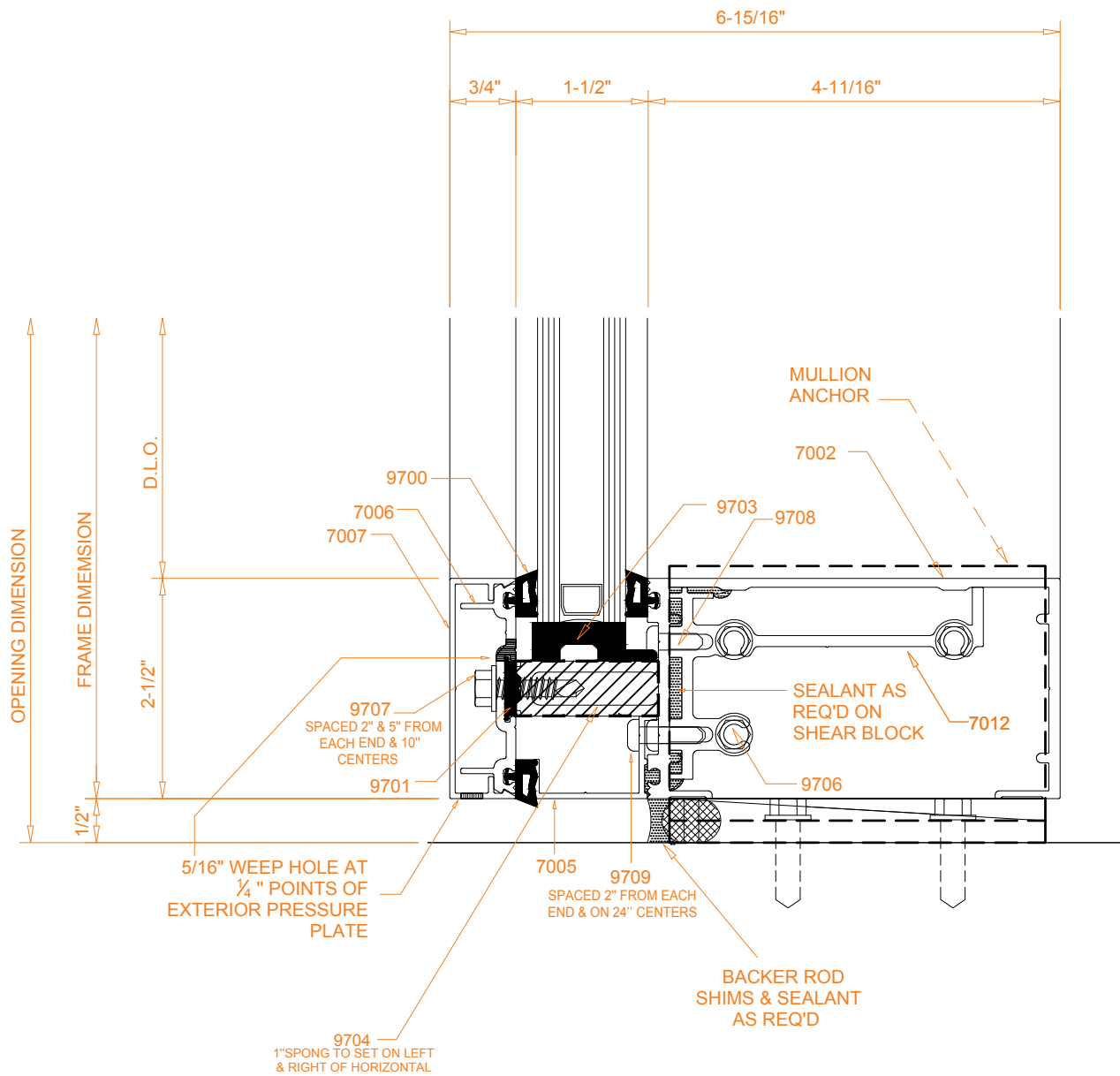
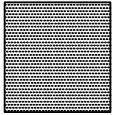
HEAD

7000 Series Curtain Wall

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

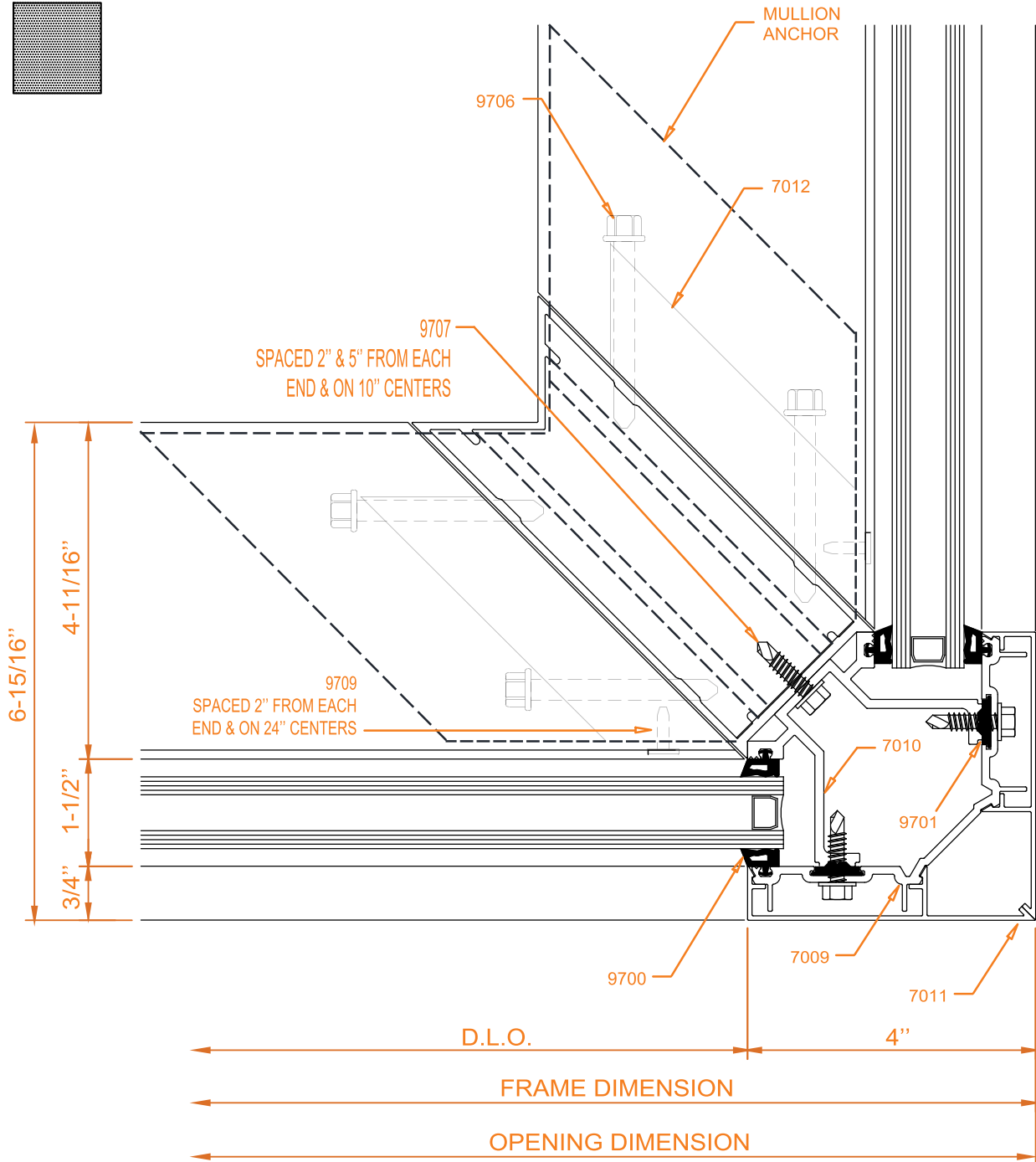
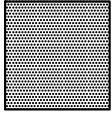
Detail I & J

SEALANT



SILL

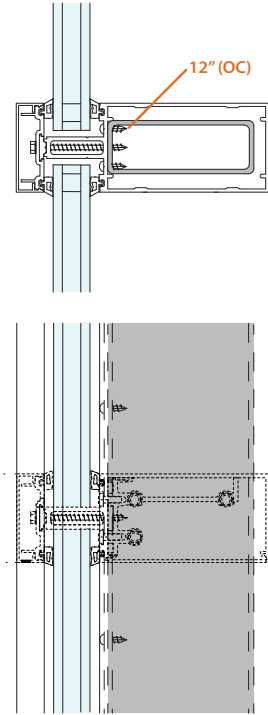
SEALANT



CORNER

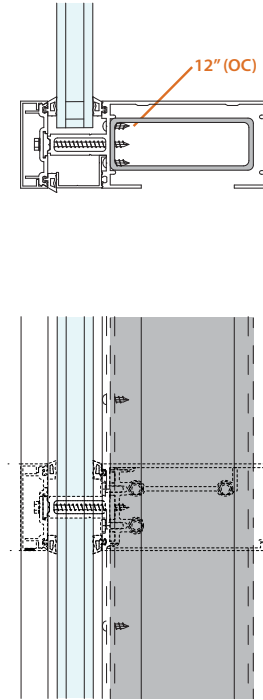
Details

M

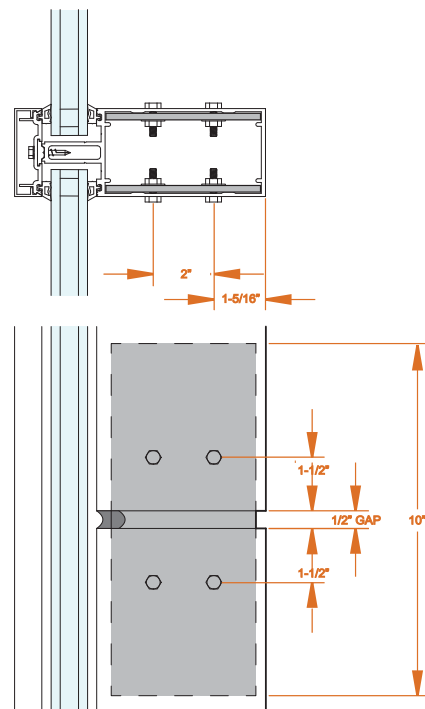


STEEL REINFORCEMENT MULLION

N

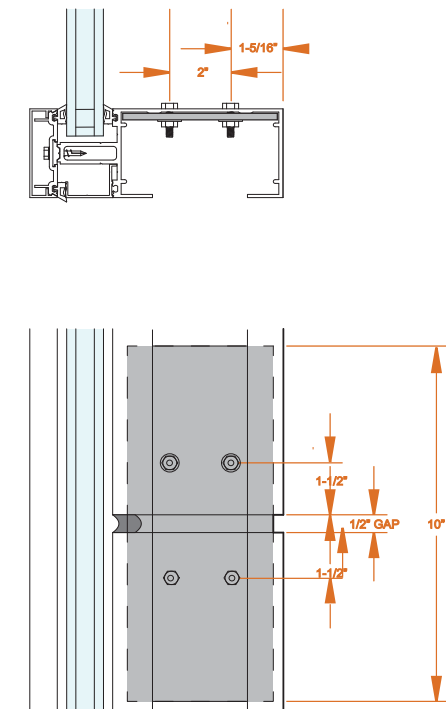


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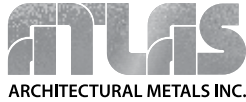


MULLION SPLICE

L



JAMB SPLICE



7000 Series Curtain Wall 2-1/2"x7"

Information & specifications

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.

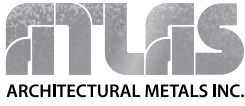
III. EXECUTION

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

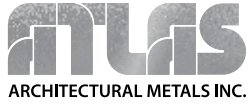
After installation, the General Contractor shall adequately protect exposed portions of aluminum surfaces from damage by grinding and polishing compounds, plaster, lime, acid, cement, or other contaminants. The General Contractor shall be responsible for final cleaning.



7000 Series Curtain Wall


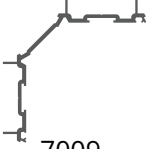





2-1/2" X 7" System

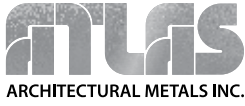
ITEM	DESCRIPTION	STOCK LENGHT	FINISH		
 7000	VERTICAL MULLION	24'-1"	CLEAR	BRONZE	MILL
 7001	HORIZONTAL MULLION	24'-1"	CLEAR	BRONZE	MILL
 7002	JAMB/ HEAD/ SILL	24'-1"	CLEAR	BRONZE	MILL
 7003	HORIZONTAL POCKET FILLER TRIM	24'-1"	CLEAR	BRONZE	MILL
 7004	REDUCER 1/4"	24'-1"	CLEAR	BRONZE	MILL
 7005	PERIMETER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



7000 Series Curtain Wall
Accessories





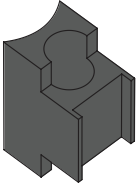
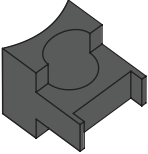
2-1/2" x 7" CURTAIN WALL

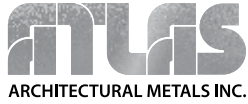
ITEM	DESCRIPTION	Stock Lengths	FINISH		
			CLEAR	BRONZE	MILL
 7008	CORNER MULLION	24'-1"			
 7009	CORNER PRESSURE PLATE	24'-1"			
 7010	90 CORNER ADAPTER	24'-1"			
 7011	CORNER FACE PLATE	24'-1"			
 7012	SHEAR BLOCK	1 1/2"			
	7013/M120 MULL ANCHOR FULL "T"	10'			
	7013/M.5 MULL ANCHOR "T"	4.1875"		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



7000 Series Curtain Wall

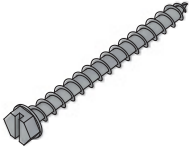
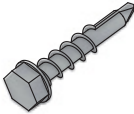
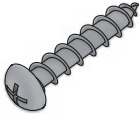
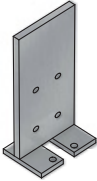
Accessories

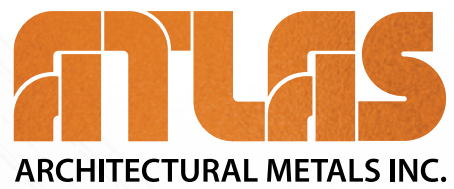
ITEM	DESCRIPTION	PART No.	STOCK / LENGHTS
	DENSE PRESET GASKET	9700XXFX	PER FOOT
		9700XXRX	PER 250' ROLL
	PRESSURE BAR GASKET	9700XXFX	PER FOOT
		9700XXRX	PER 500' ROLL
	1" SETTING BLOCK	9702XXXX	PER PIECE
	1/4" SETTING BLOCK	9703XXXX	PER PIECE
	1" SPONGE	9704XXXX	PER BAG 100CT.
	1/4" SPONGE	9705XXXX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



7000 Series Curtain Wall
Accessories

2-1/2" x 7" CURTAIN WALL

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



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