

2026

Curtain Walls





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.



7000 Series Curtain Wall System

Designed for Performance. Engineered for Modern Architecture.

The Atlas 7000 Series Curtain Wall System delivers the strength, flexibility, and visual appeal required for today's commercial building envelopes. Engineered to meet demanding structural and environmental performance requirements, the 7000 Series provides expansive glass openings while maintaining clean sightlines and superior durability.

Designed for low-rise and mid-rise applications, the system accommodates a wide range of glazing options and architectural configurations, making it ideal for office buildings, healthcare facilities, educational campuses, financial institutions, and mixed-use developments.

Manufactured with precision and backed by Atlas quality, the 7000 Series combines proven performance with the modern aesthetics architect's demand.

Key Features

- High-performance curtain wall system
- Accommodates monolithic and insulated glazing
- Shear block assembly construction
- Vertical spans up to 27'-9"
- Vertical spacing up to 5'-7 1/2" center-to-center
- 2-1/2" X 7" system depth
- 1/4" glazing reducer option
- Clean exterior appearance
- Designed for commercial applications
- Precision manufactured by Atlas

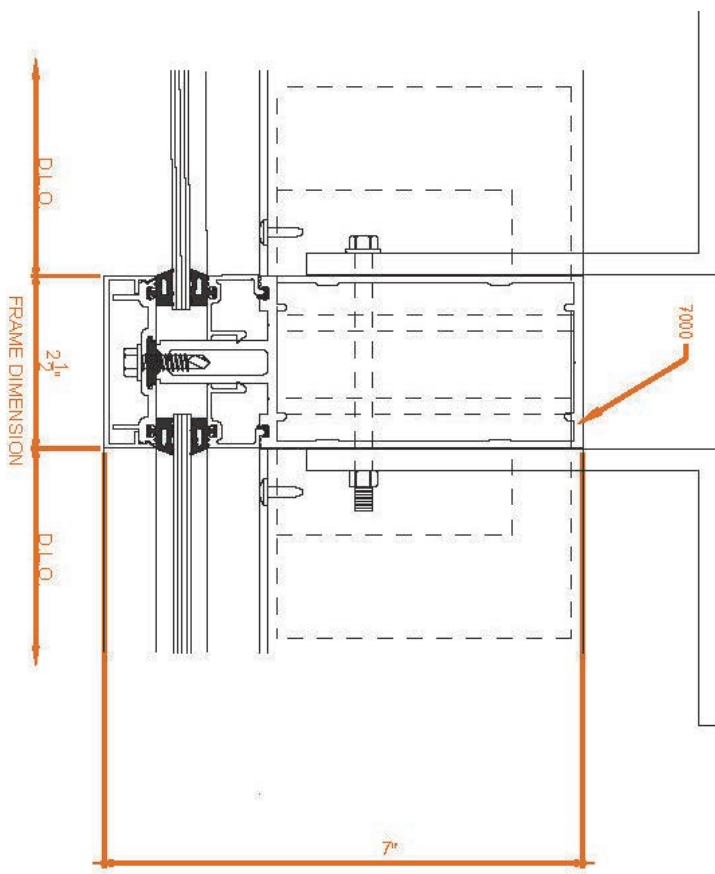
7000 Series - Curtain Wall



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
Kynar (PVDF)
Powder Coat

Sight profile:

2-1/2"

System depth:

7-1/2"

Glazing thickness:

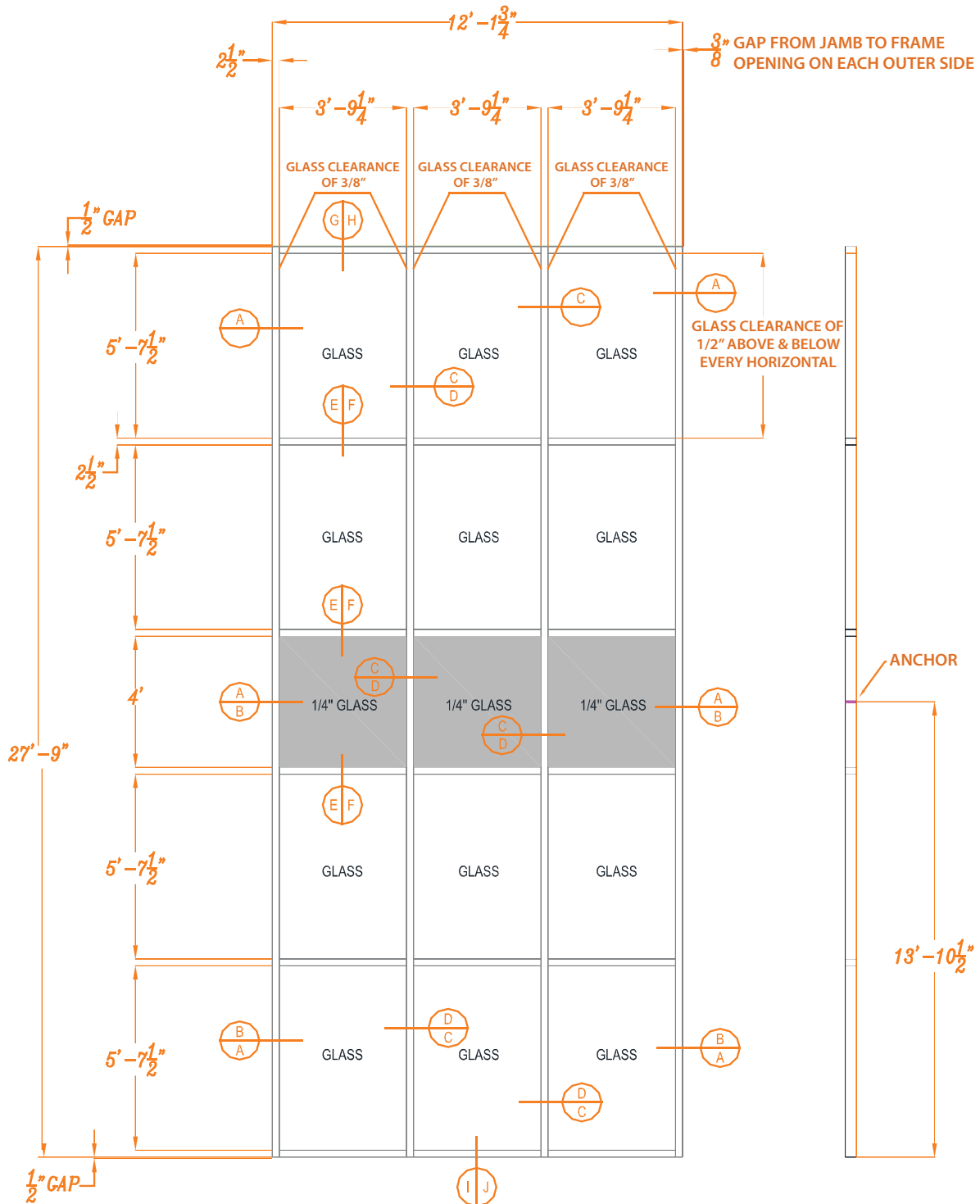
1/4" / 1"

Assembly type:

Shear Block

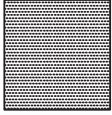
7000 - Series Curtain Wall Detail

Mock up Model as Tested

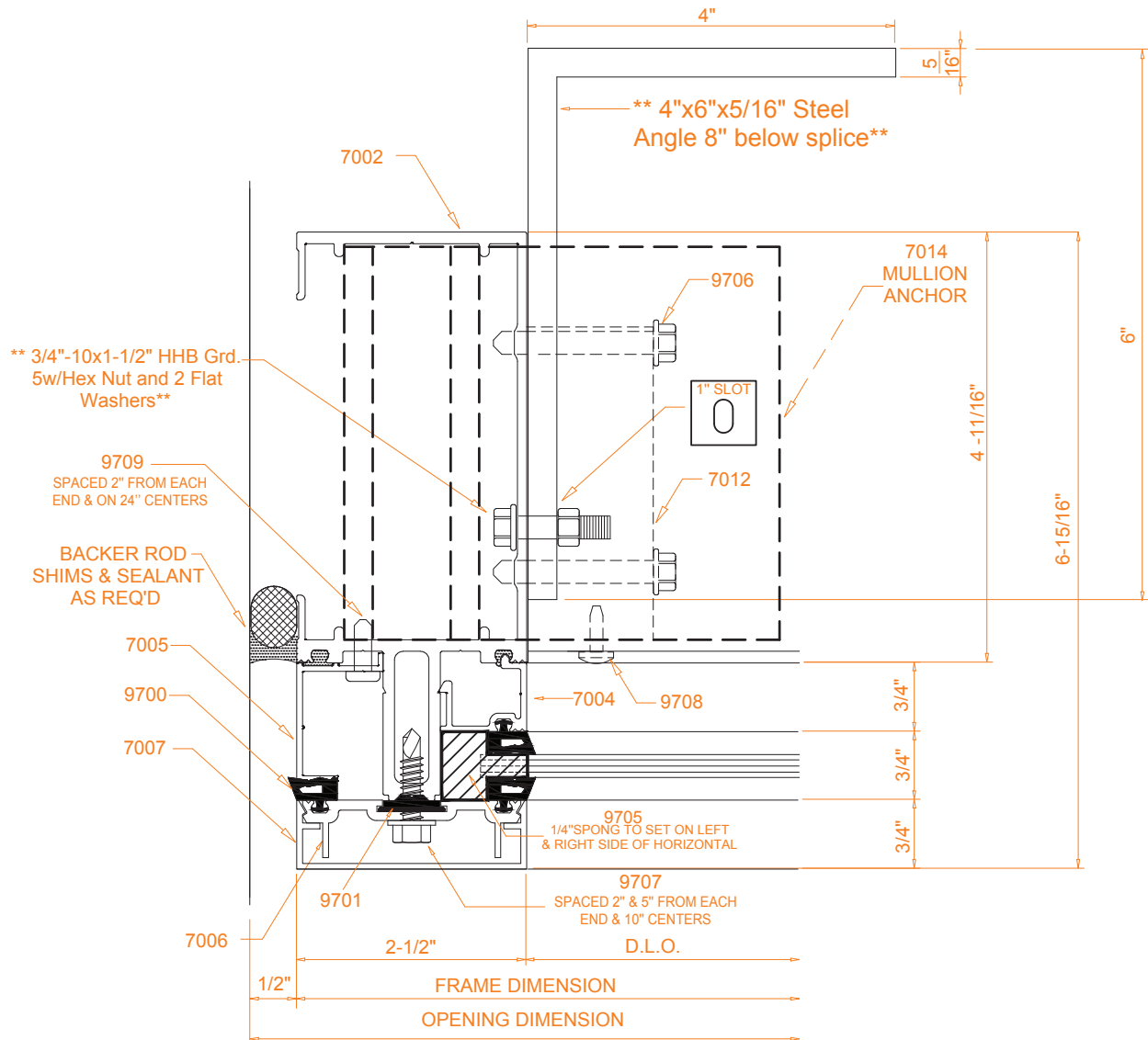


Detail A

SEALANT



(**) HARDWARE TO BE PROVIDED
BY INSTALLER



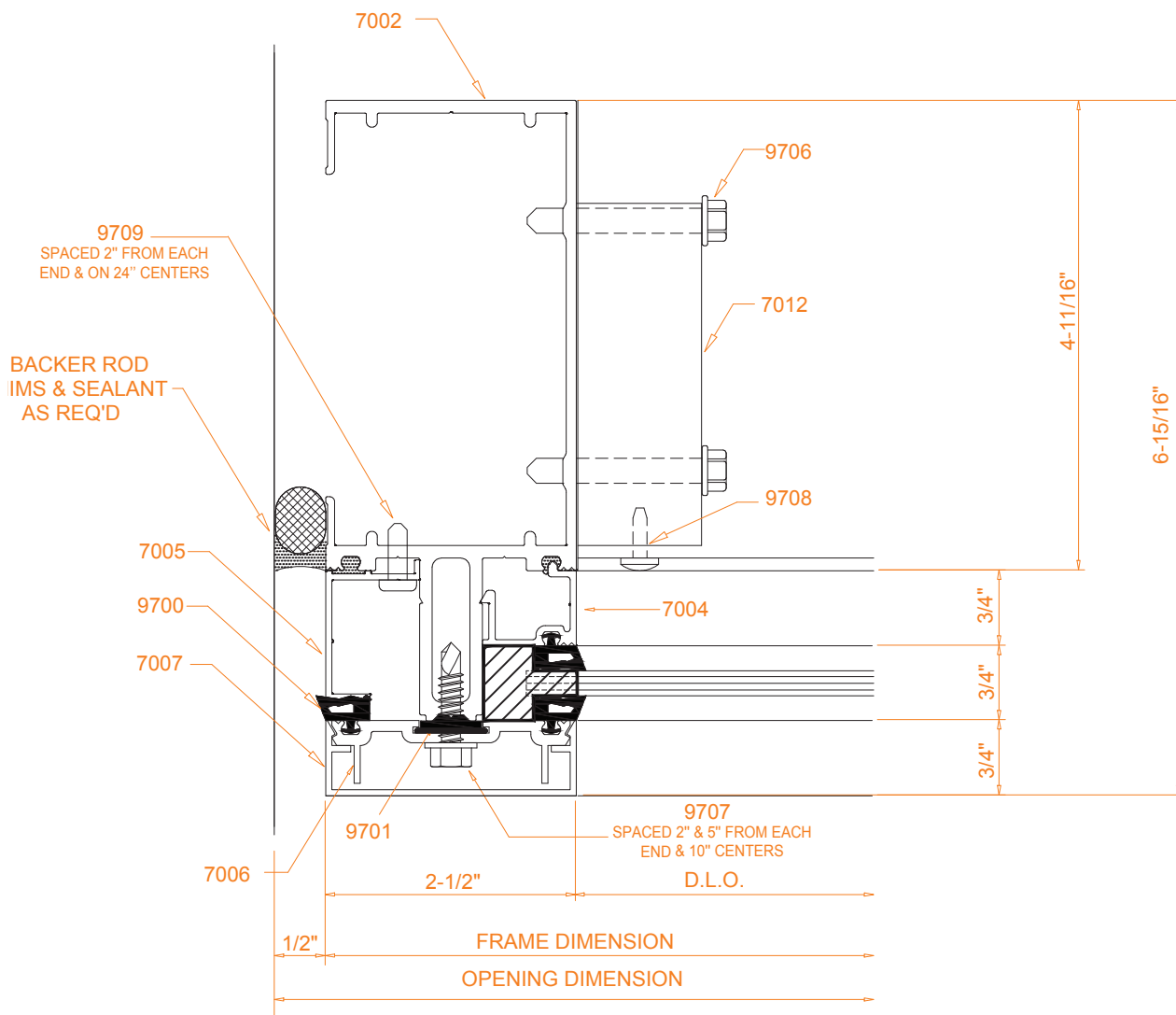
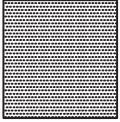
JAMB

7000 Series Curtain Wall

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

Detail B

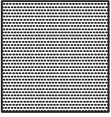
SEALANT



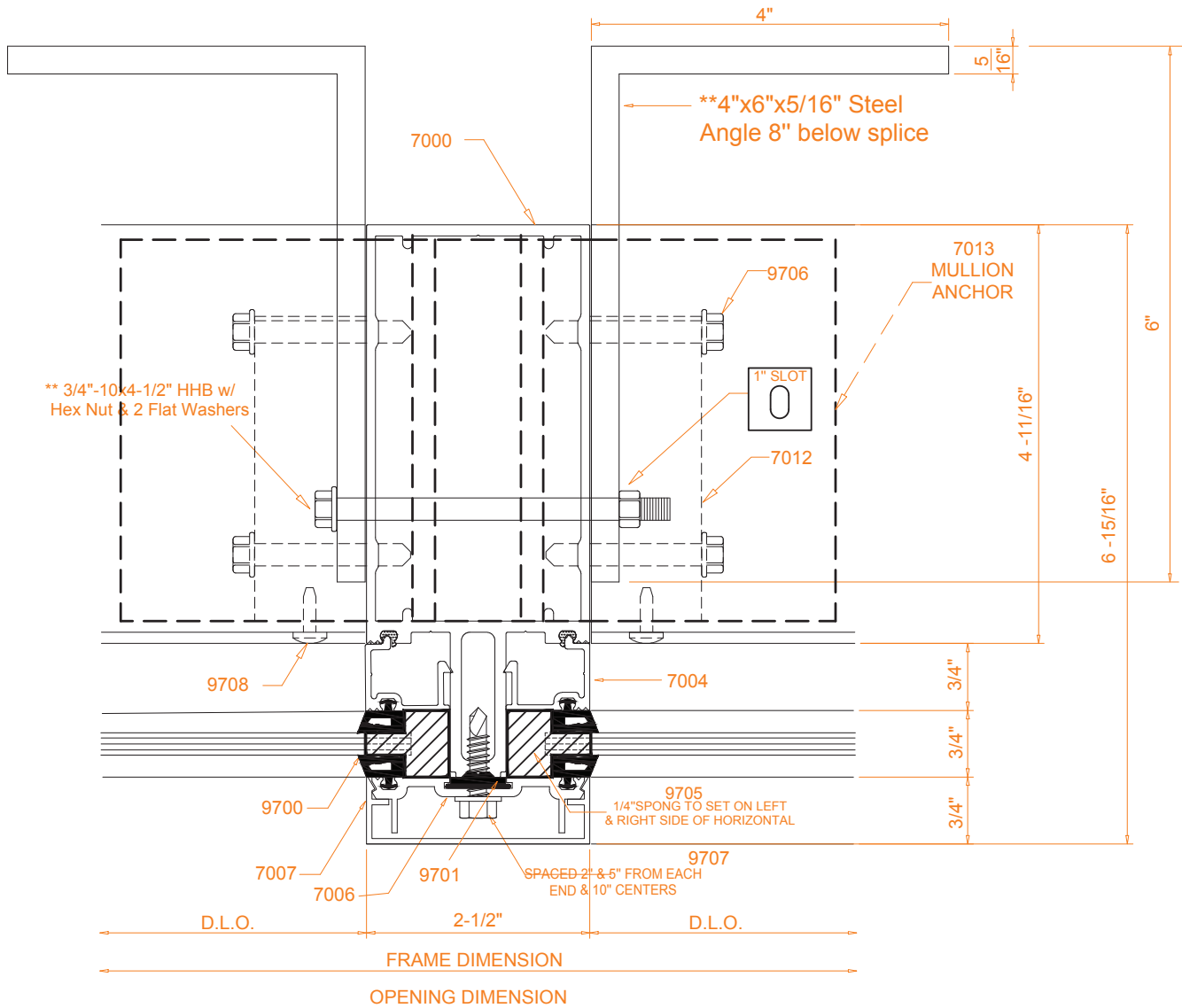
JAMB

Detail C

SEALANT



(**) HARDWARE TO BE PROVIDED
BY INSTALLER



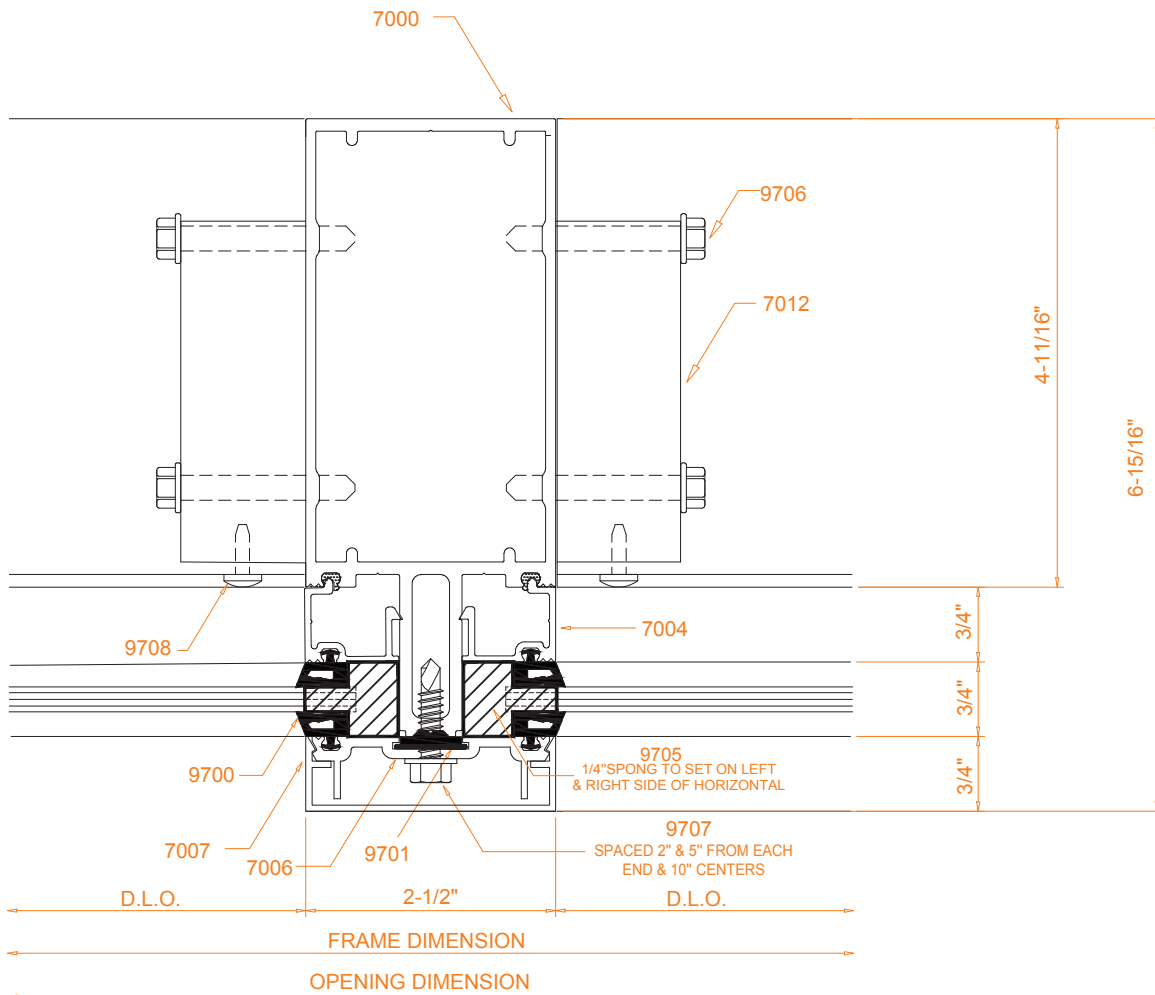
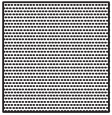
MULLION

7000 Series Curtain Wall

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

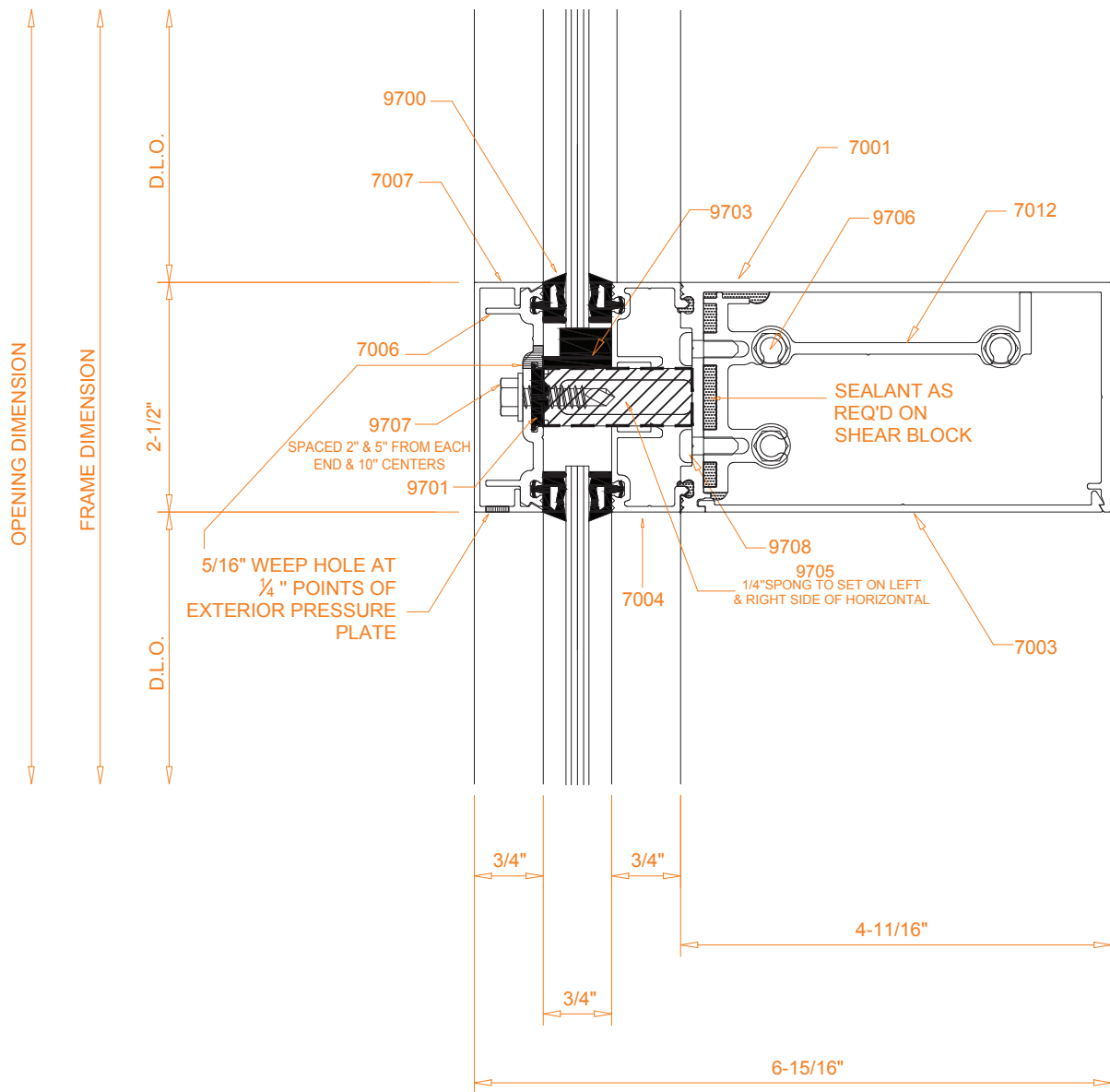
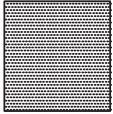
Detail D

SEALANT



MULLION

SEALANT



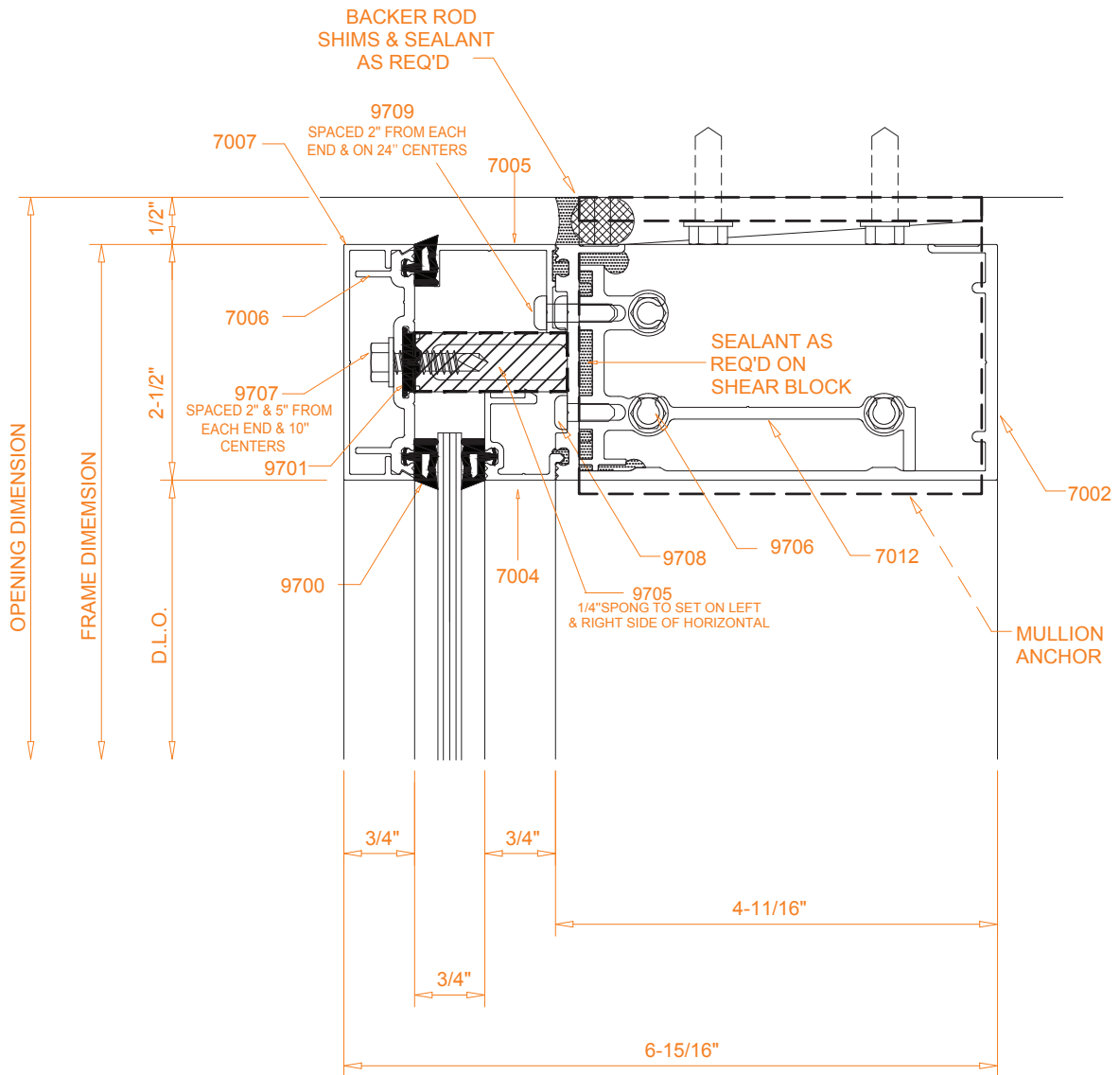
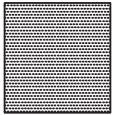
INTERMEDIATE HORIZONTAL

7000 Series Curtain Wall

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

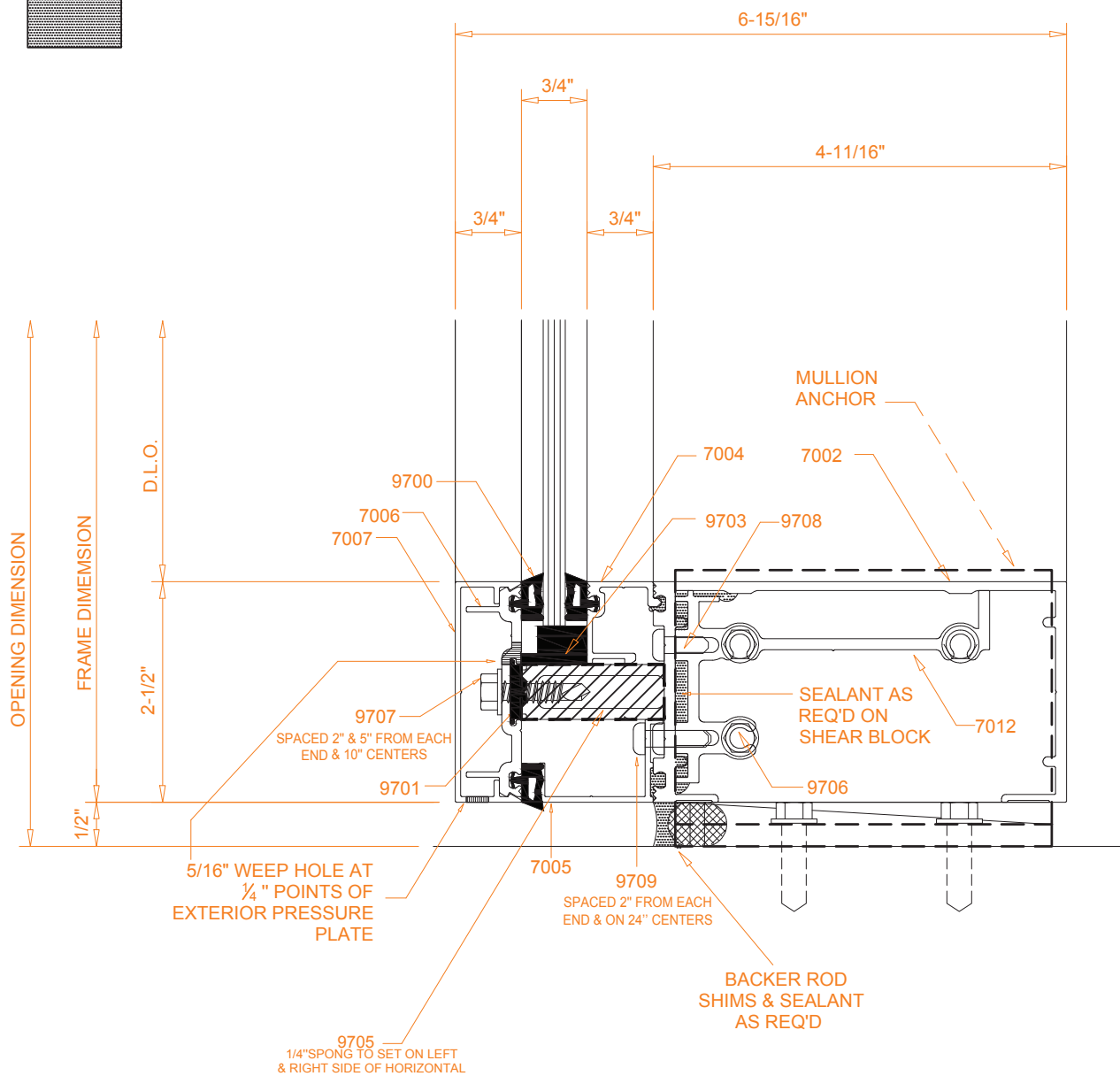
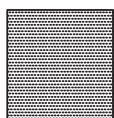
Detail G & H

SEALANT



HEAD

SEALANT

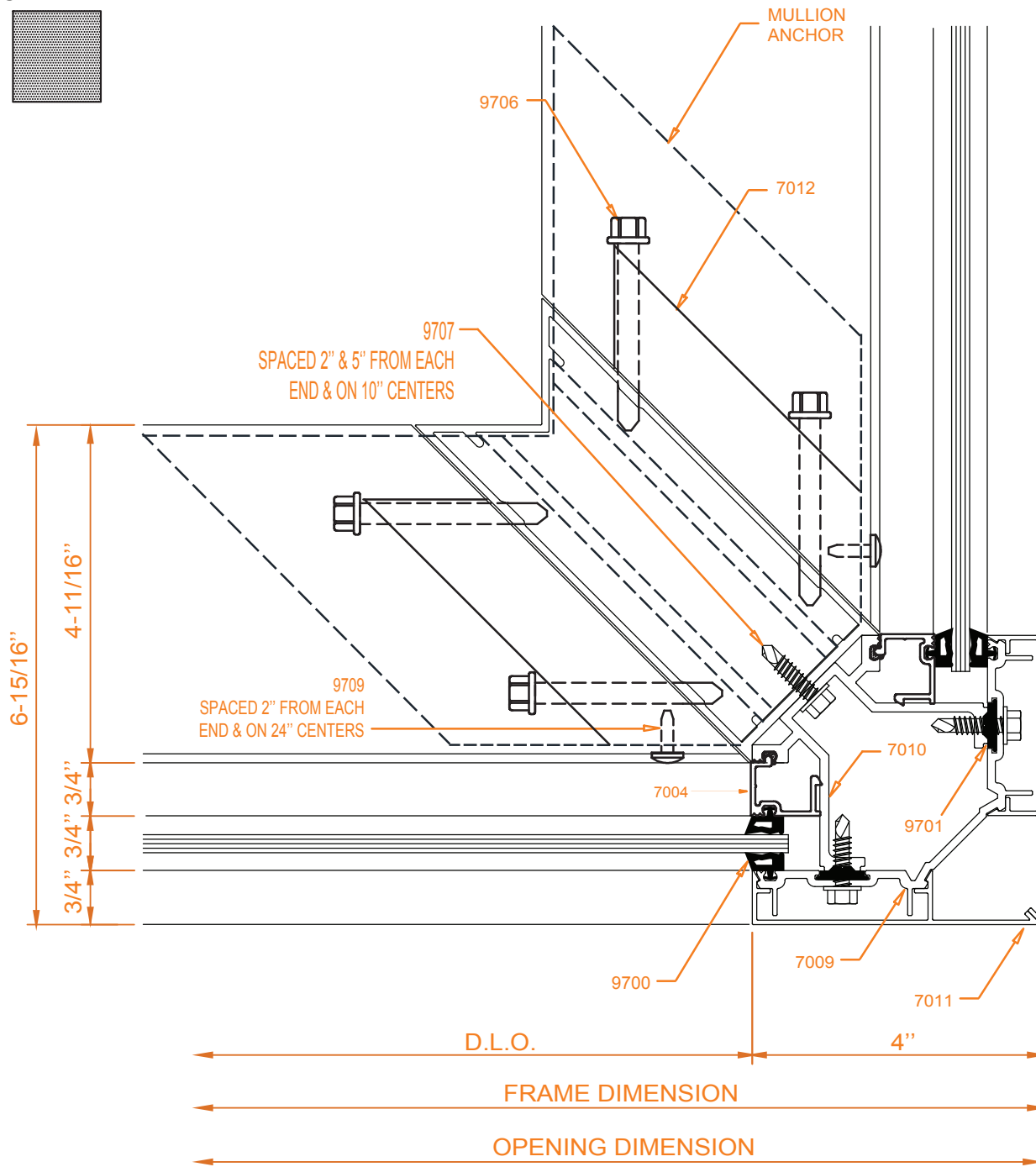
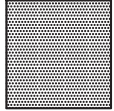


SILL

7000 Series Curtain Wall

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

SEALANT



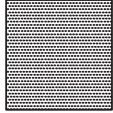
CORNER

7000 Series Curtain Wall

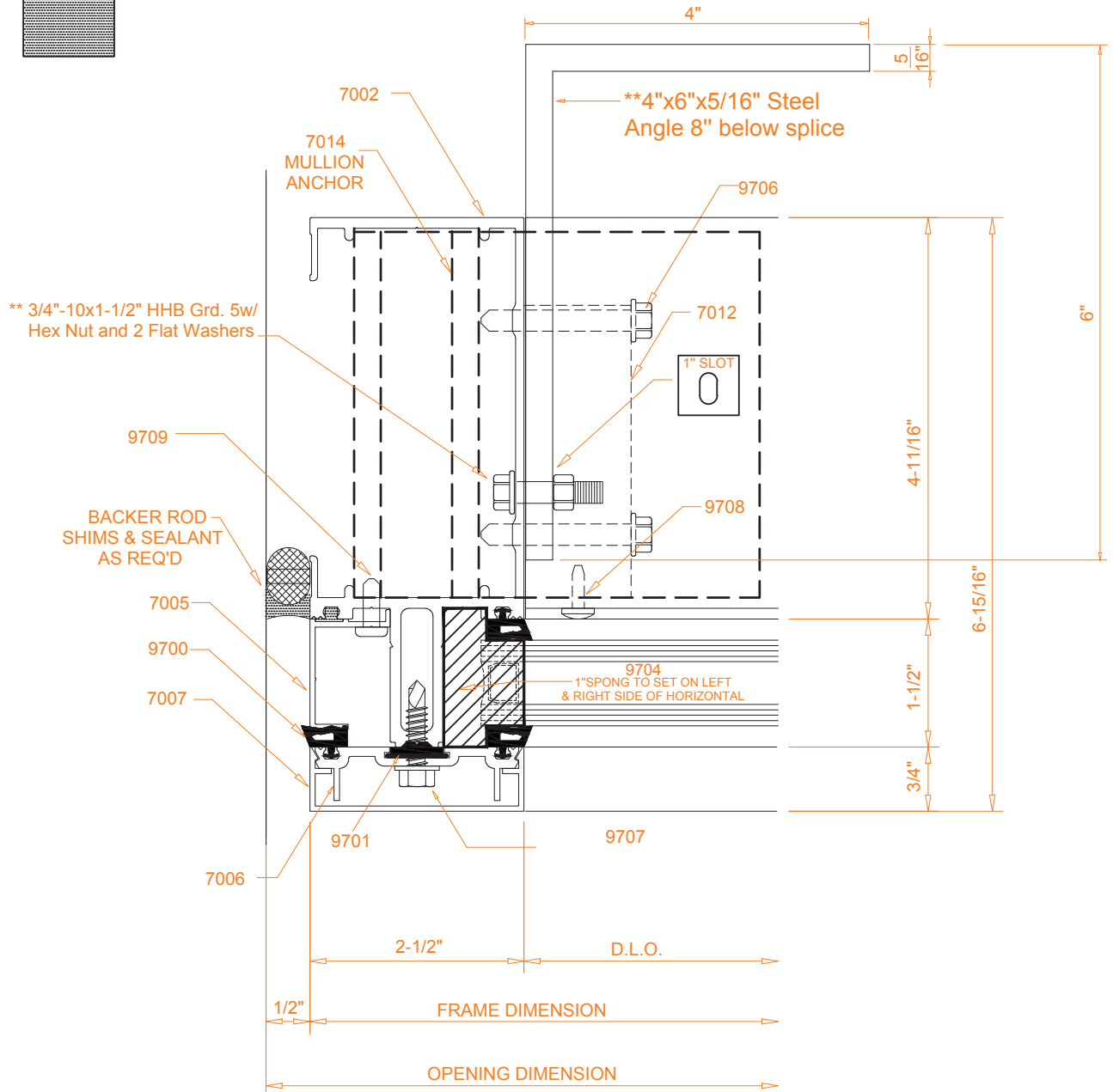
2-1/2" X 7" System for 1" Glazing

Detail A

SEALANT



(**) HARDWARE TO BE PROVIDED BY INSTALLER



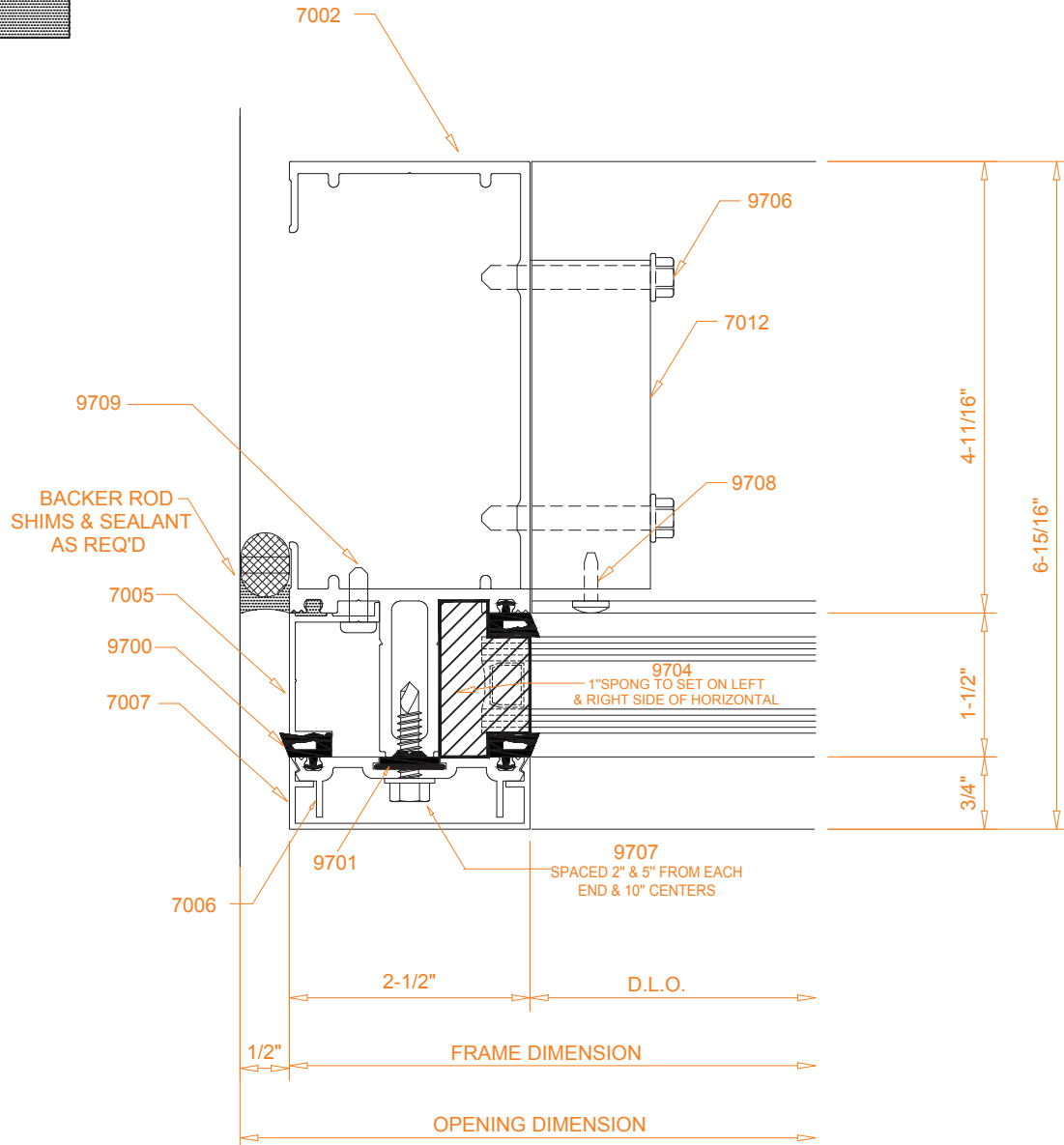
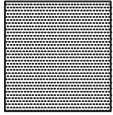
JAMB

7000 Series Curtain Wall

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

Detail B

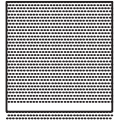
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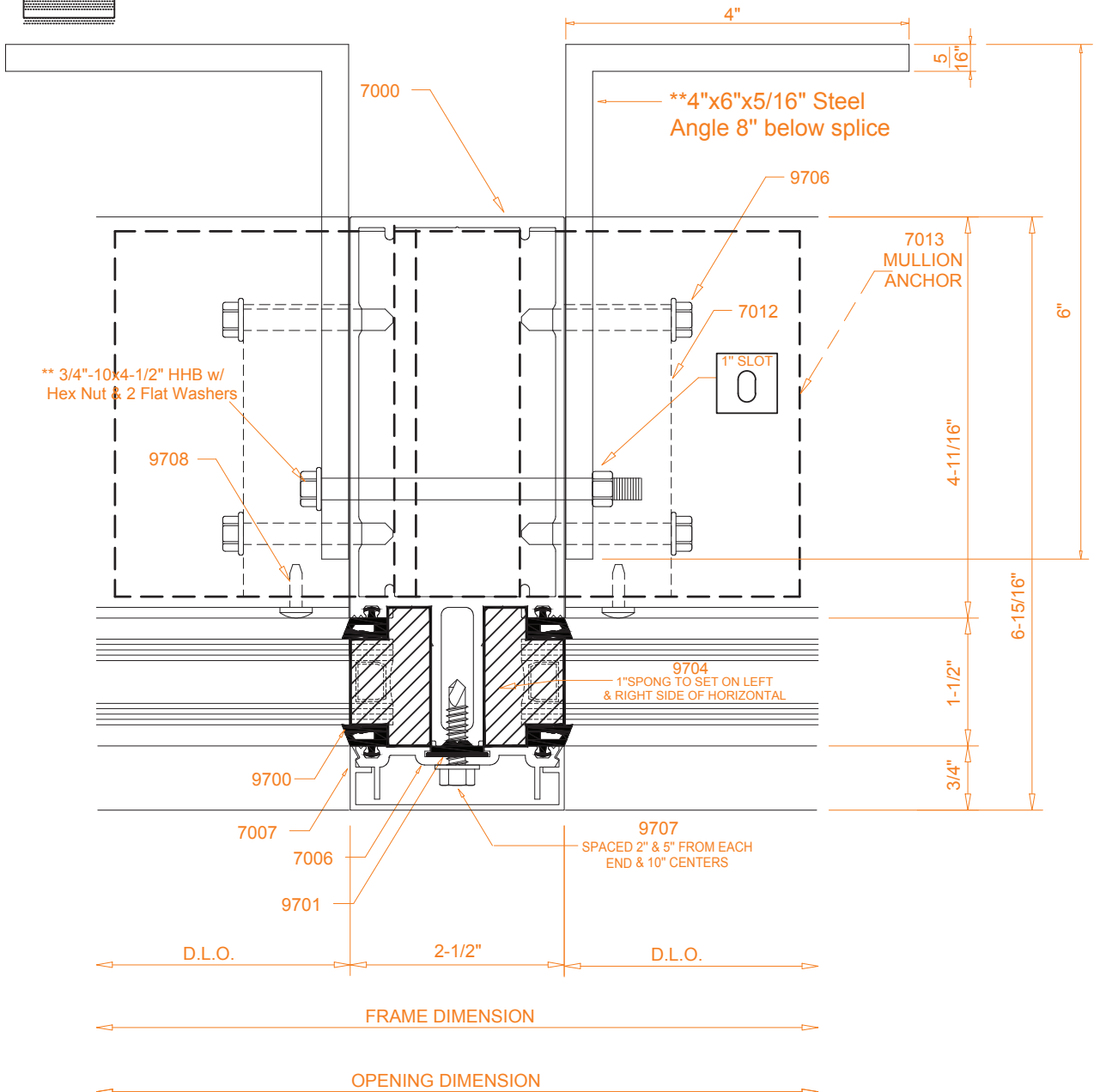
JAMB

Detail C

SEALANT



(**) HARDWARE TO BE PROVIDED BY INSTALLER



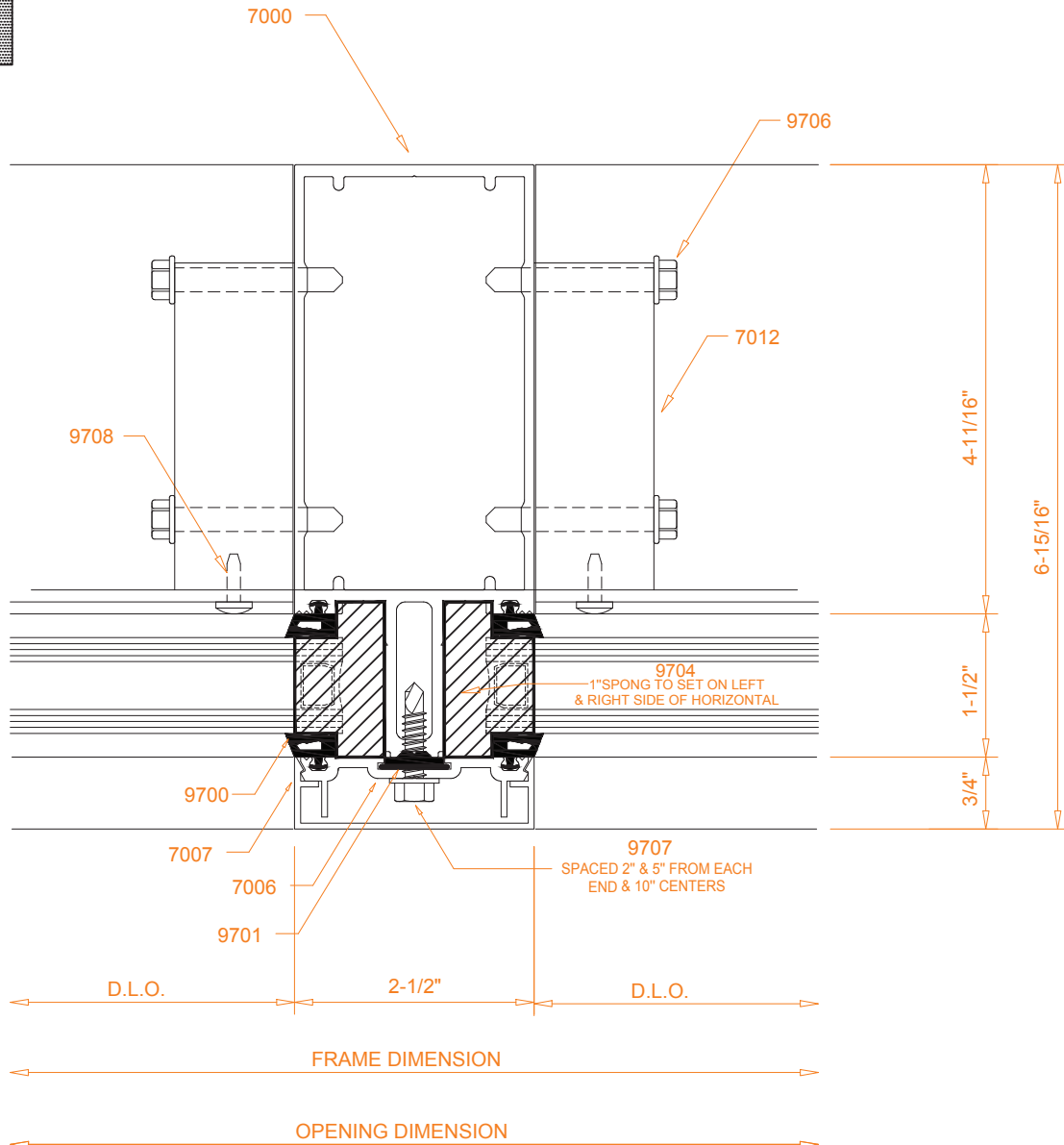
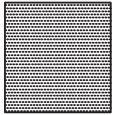
MULLION

7000 Series Curtain Wall

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

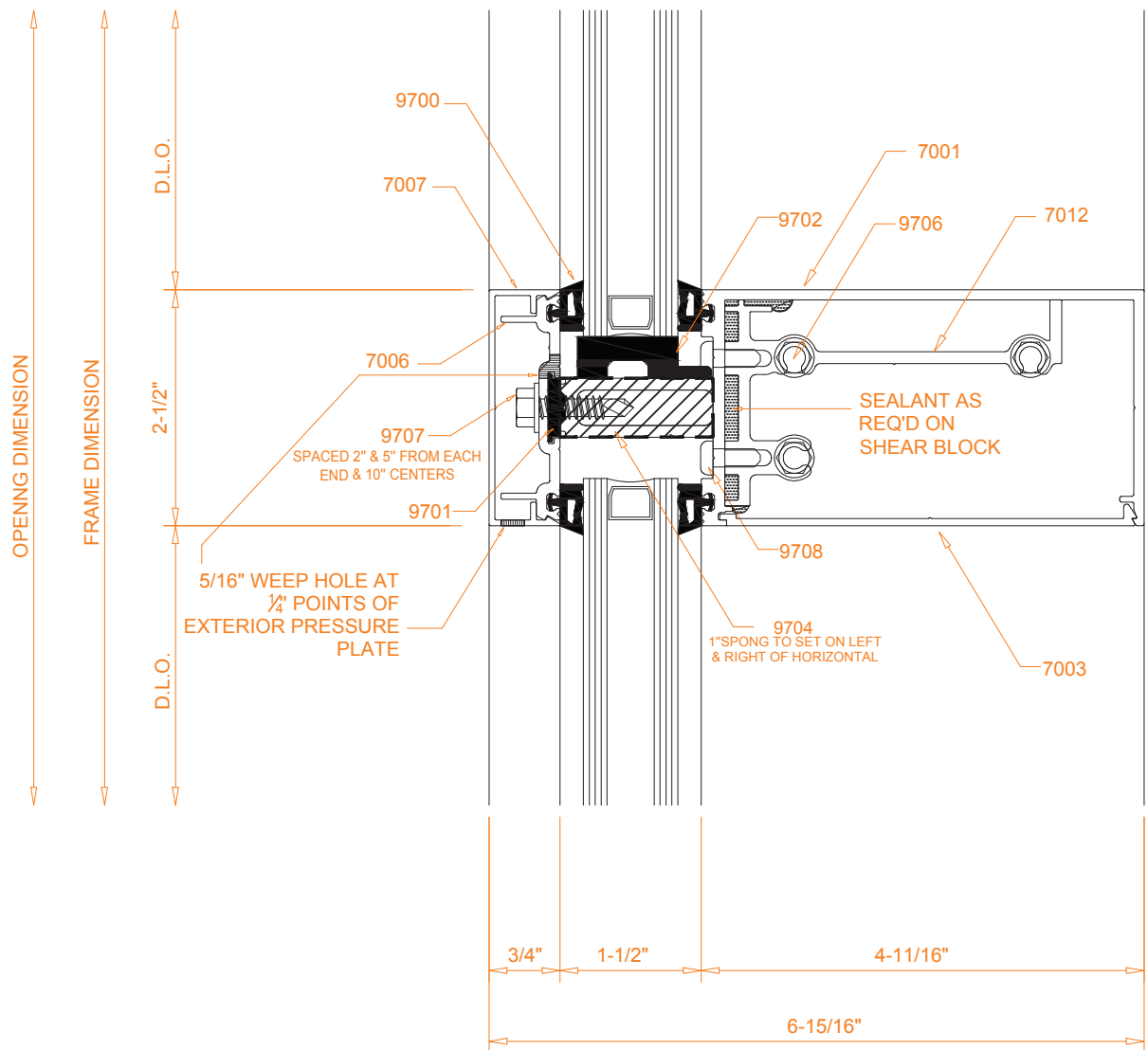
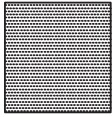
Detail D

SEALANT



MULLION

SEALANT



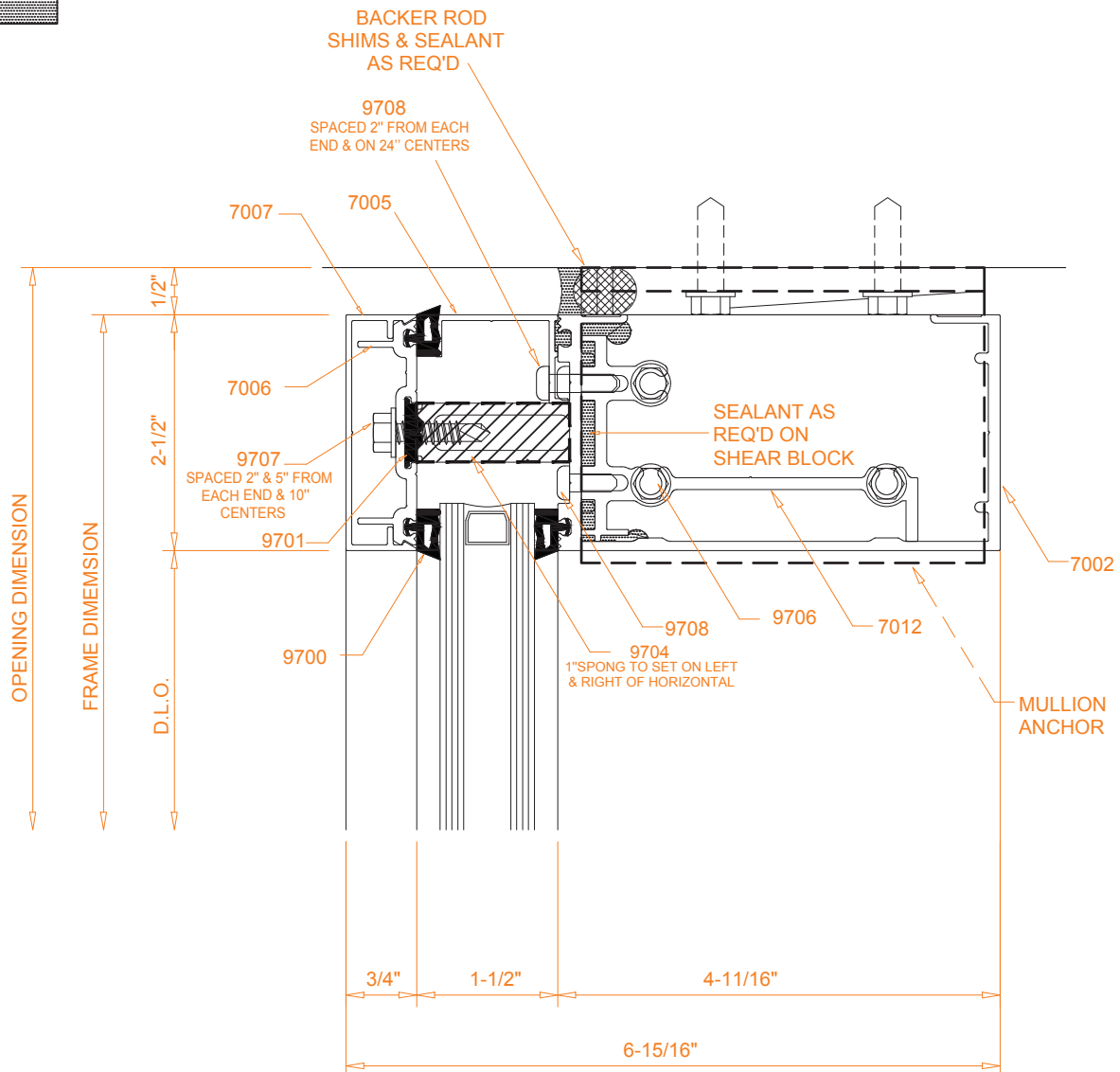
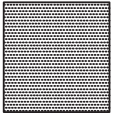
INTERMEDIATE HORIZONTAL

7000 Series Curtain Wall

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

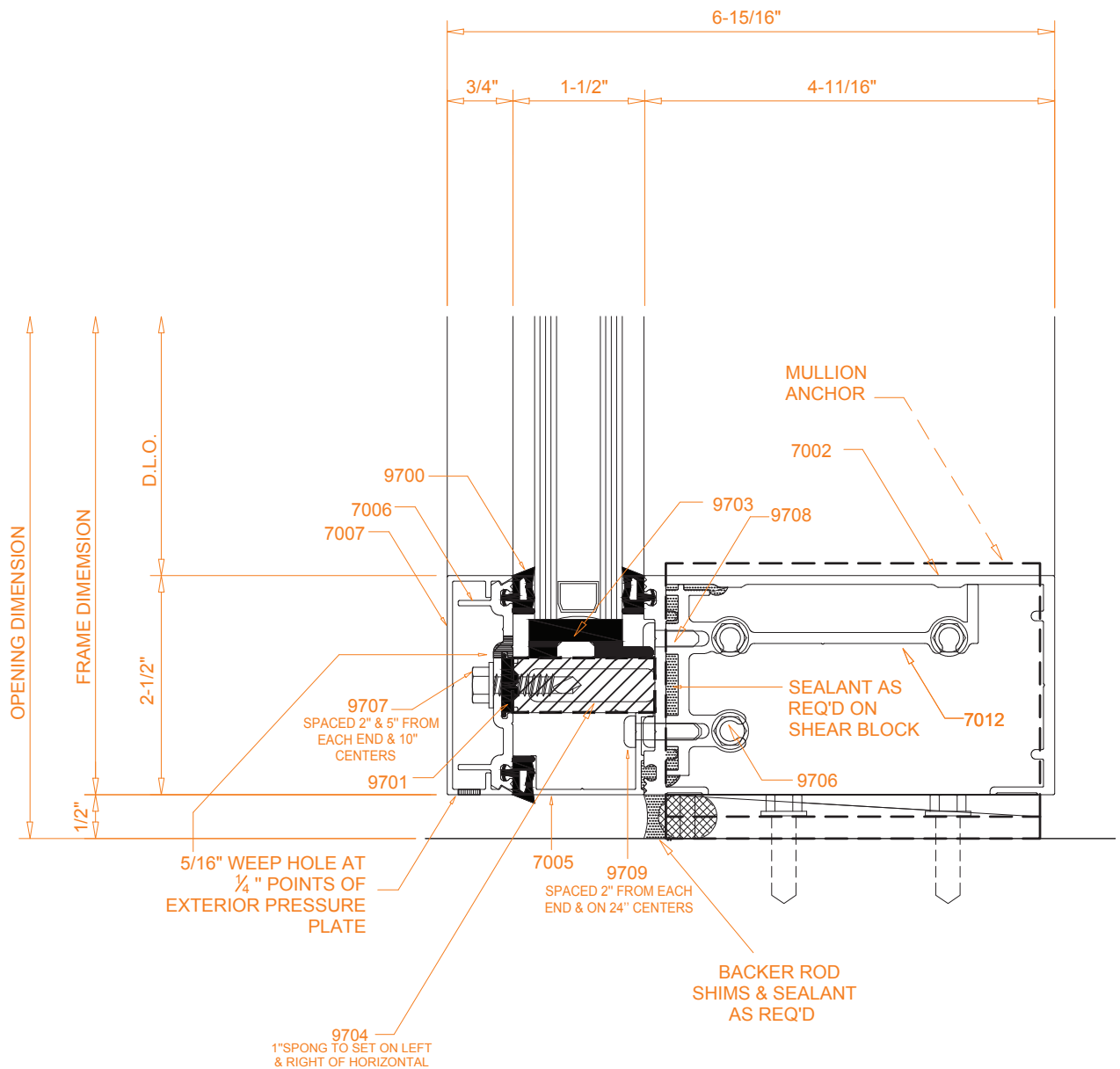
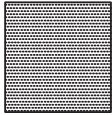
Detail G & H

SEALANT



HEAD

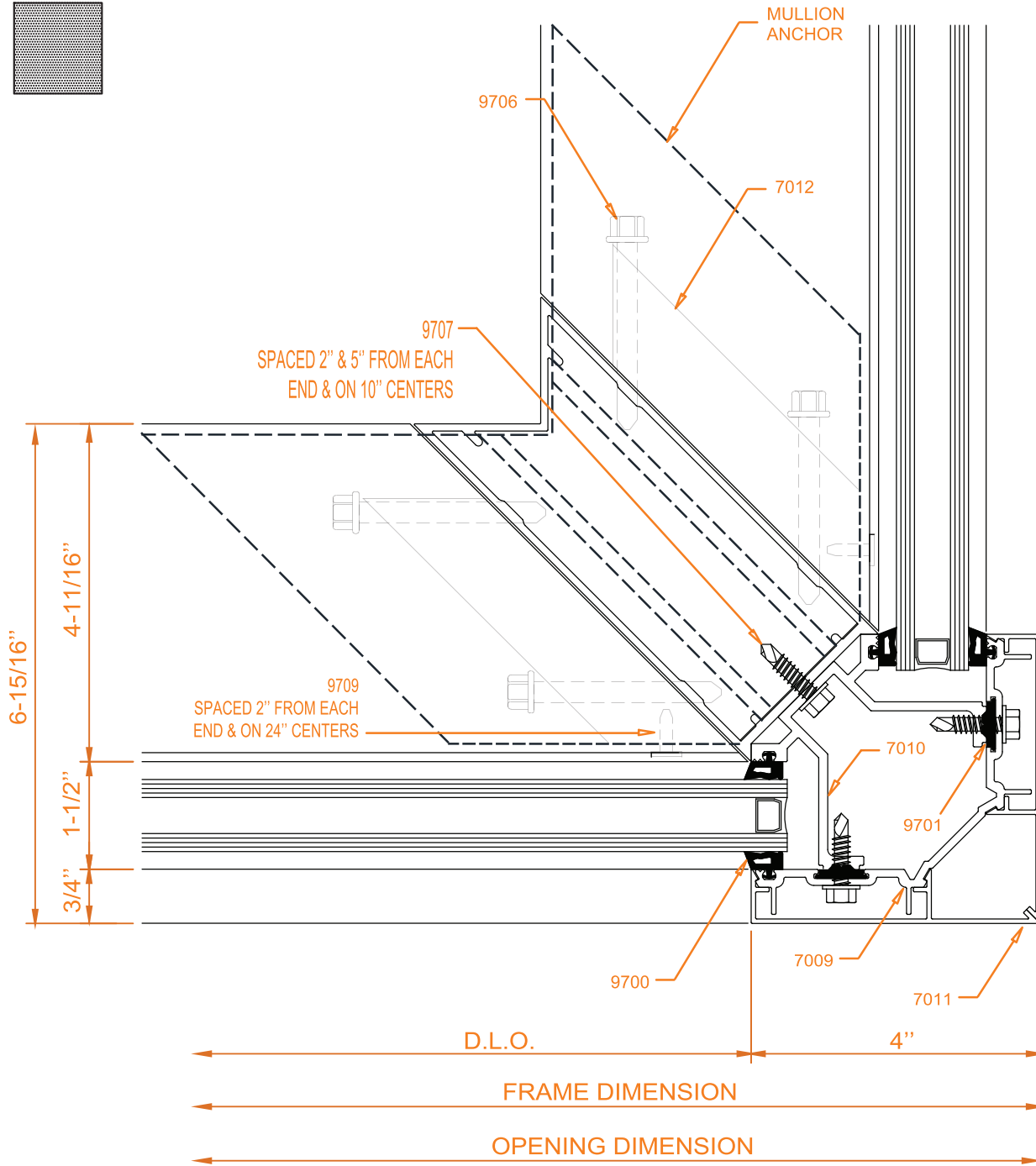
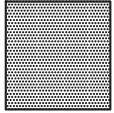
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7000 Series Curtain Wall

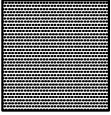
2-1/2" X 7" System for 1" Glazing

SEALANT

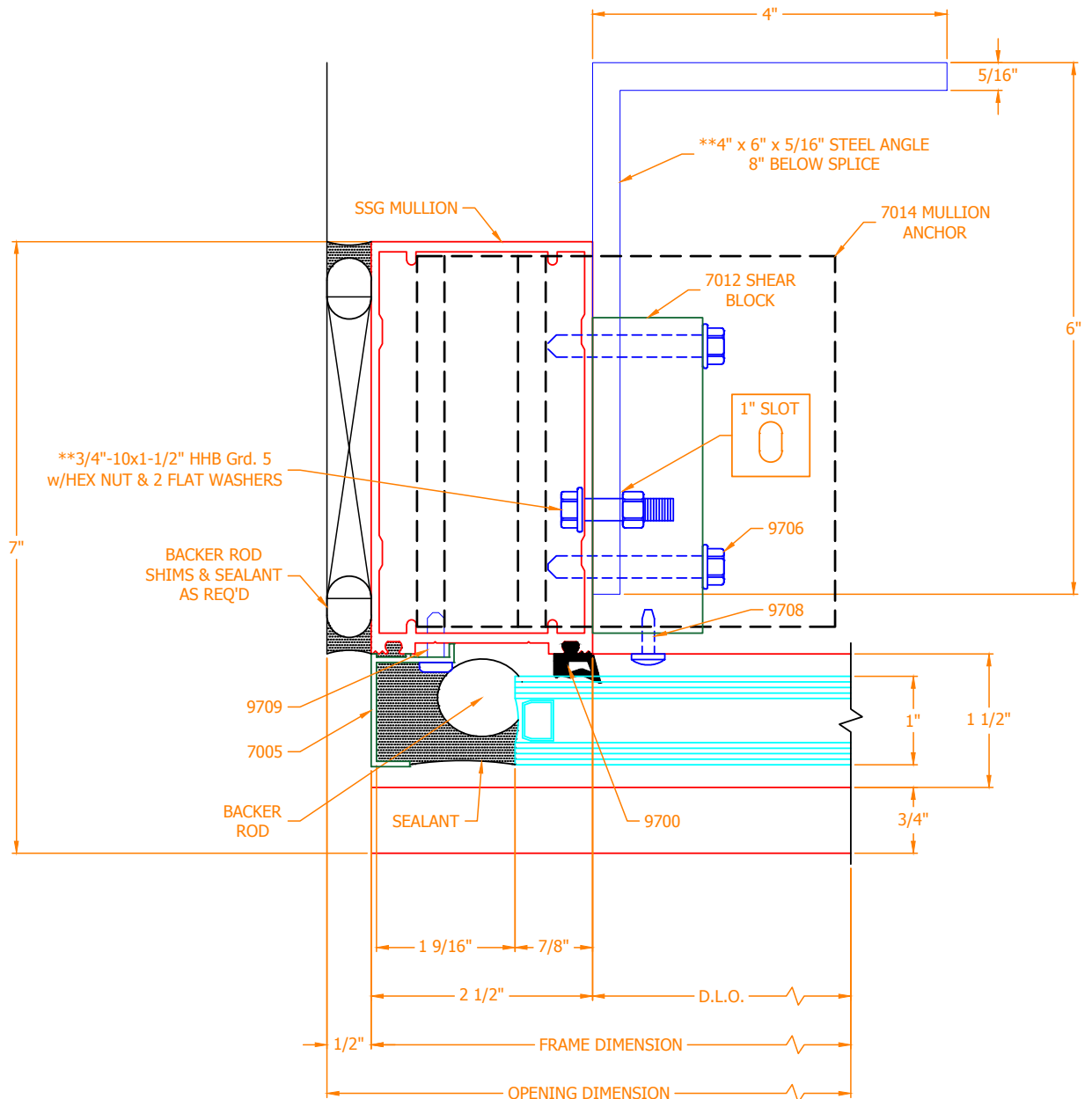


CORNER

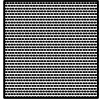
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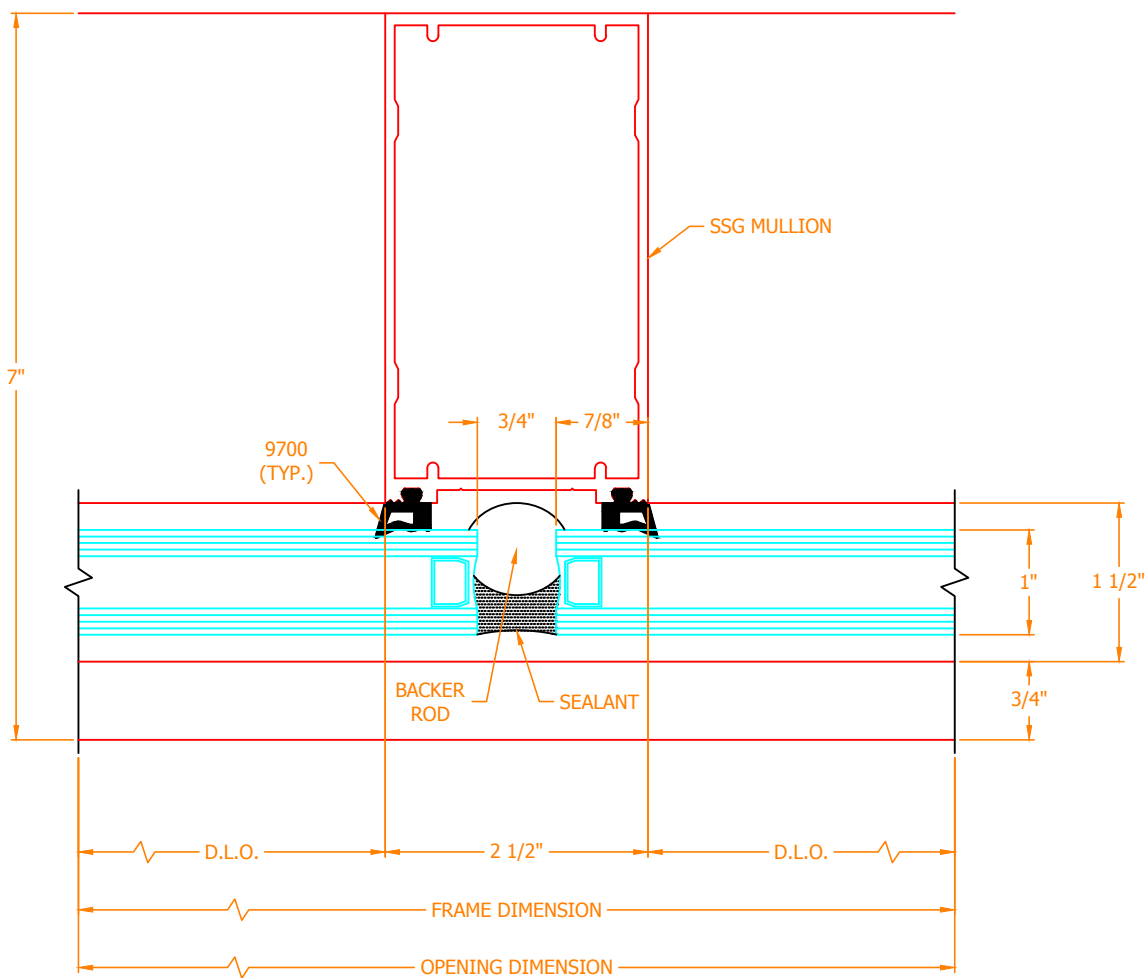
SSG MULLION JAMB DETAIL



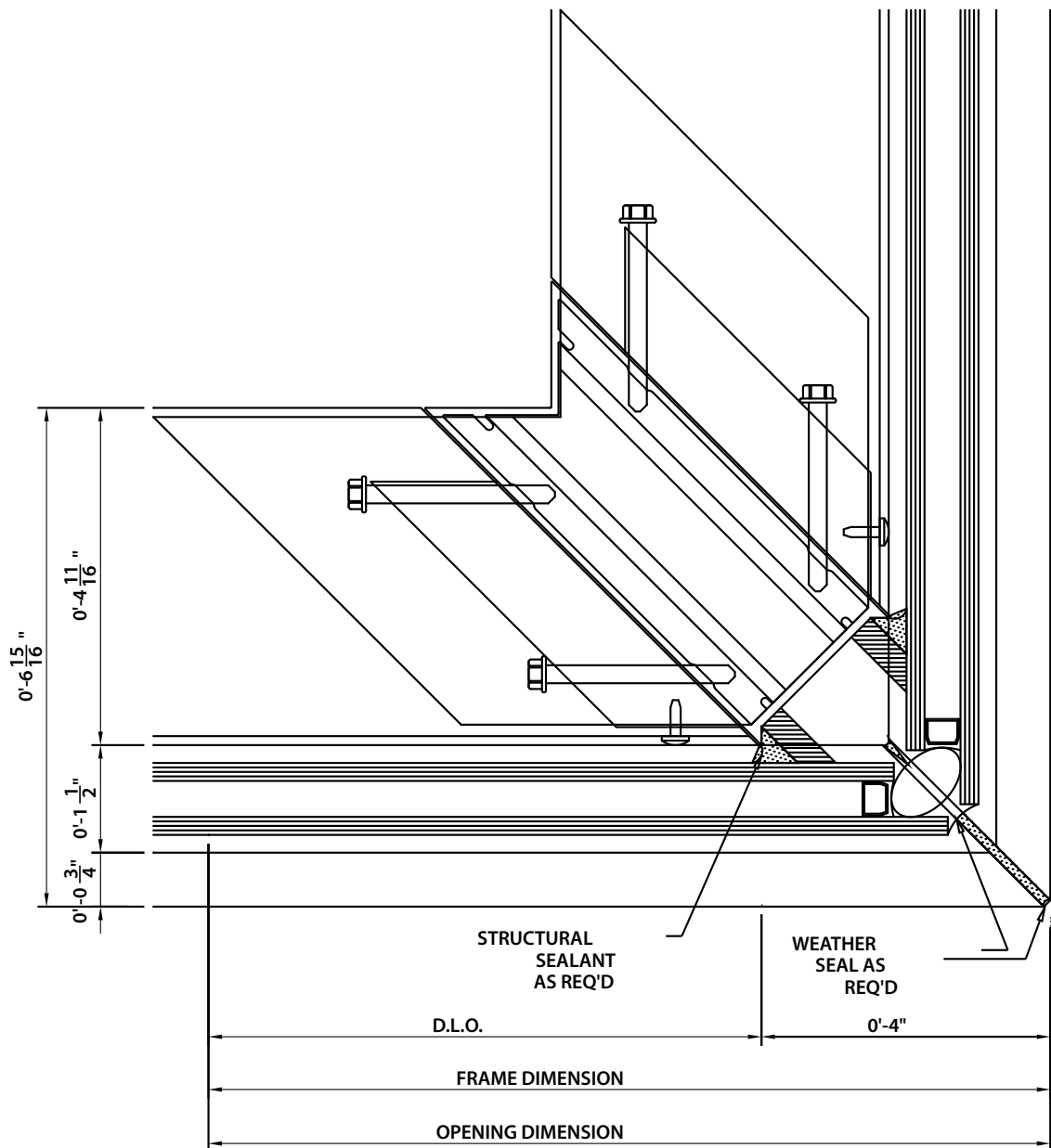
SEALANT



SSG MULLION



CORNER DETAIL

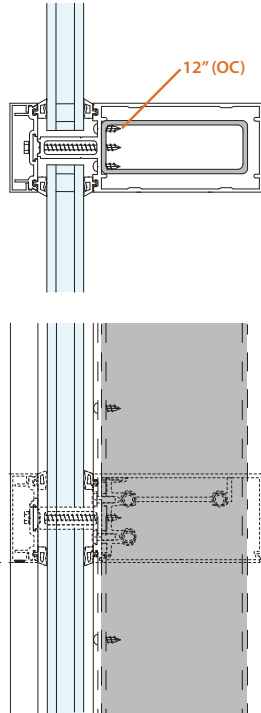


BUTT GLAZED CORNER MULLION

SCALE 6"=1'

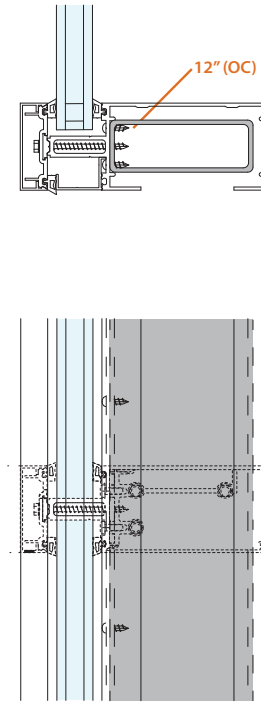
Details

M

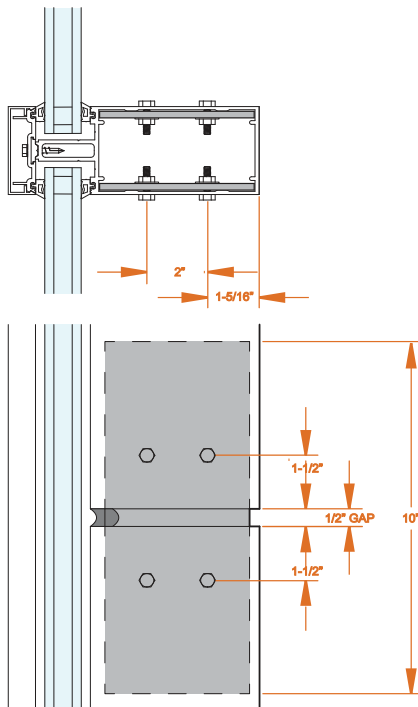


STEEL REINFORCEMENT MULLION

N

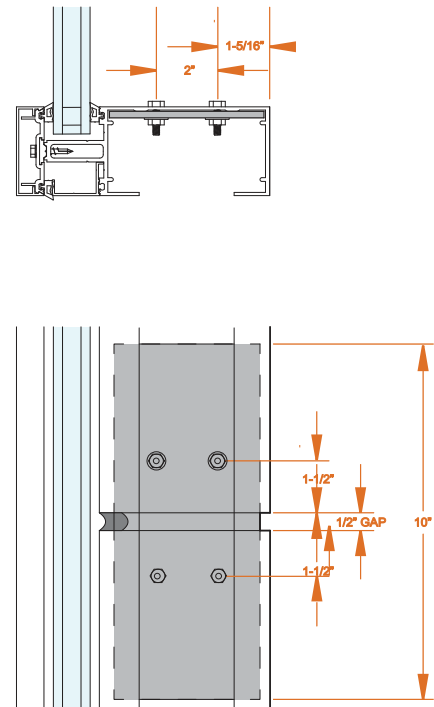


K



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" X 7" 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 wind load, 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 wind load of (Specify) _____ PSF.

II. PRODUCTS

MATERIALS

Extrusions shall be 6063-T5 alloy and temper (ASTM B221 alloy G.S.10A-T5). Fasteners, where exposed, shall be aluminum, stainless steel or zinc plated steel in accordance with ASTM A 164. Perimeter anchors shall be aluminum or steel, providing the steel is properly isolated from the aluminum. Glazing gaskets shall be EPDM OR PVC extrusions. Single acting entrance frames shall include a pile weather-strip which will also provide a cushioning effect.

FINISH

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

...an Architectural Dark Bronze Class II 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

Accessories

ITEM	DESCRIPTION	STOCK LENGTH	FINISH		
 7000	7000 VERTICAL MULLION	24' 1"	CLEAR	BRONZE	
 7000 SSG	7000/SSG BUTT GLAZED	24' 1"	CLEAR	BRONZE	
 7001	HORIZONTAL MULLION	24' 1"	CLEAR	BRONZE	
 7002	JAMB/ HEAD/ SILL	24' 1"	CLEAR	BRONZE	
 7003	HORIZONTAL POCKET FILLER TRIM	24' 1"	CLEAR	BRONZE	
 7004	REDUCER 1/4"	24' 1"	CLEAR	BRONZE	
 7005	PERIMETER ADAPTER	24' 1"	CLEAR	BRONZE	
 7006	PRESSURE BAR	24' 1"			MILL

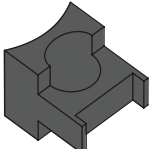
7000 Series Curtain Wall

Accessories

ITEM	DESCRIPTION	STOCK LENGTHS	FINISH		
 7007	FACE CAP	24' 1"	CLEAR	BRONZE	
 7008	CORNER MULLION	24' 1"	CLEAR	BRONZE	
 7009	CORNER PRESSURE PLATE	24' 1"			MILL
 7010	90 CORNER ADAPTER	24' 1"			MILL
 7011	CORNER FACE PLATE	24' 1"	CLEAR	BRONZE	
 7012	SHEAR BLOCK	1 1/2"			MILL
		21' 2"			
 7013	7013/M120 MULL ANCHOR FULL "T"	10'			MILL
	7013/M.5 MULL ANCHOR "T"	4.1875"			
 7014	7014/120 MULL ANCHOR FULL "F"	10' 0"			MILL
	7014/M.5 MULL ANCHOR "F"	4.1875"			

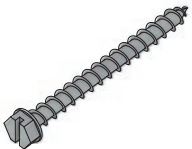
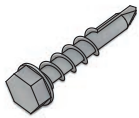
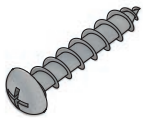
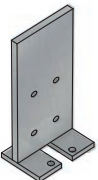
7000 Series Curtain Wall

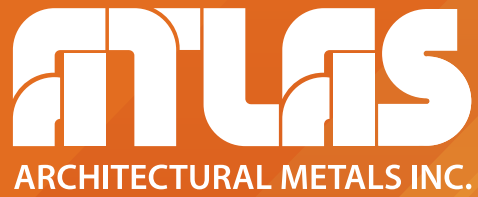
Accessories

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

7000 Series Curtain Wall

Accessories

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



Atlas Architectural Metals, Inc.
(Houston HQ)
11940 Brittmoore Park Dr.
Houston, Tx 77041

Atlas Architectural Metals, Inc.
(Dallas)
2100 Luna Road Suite 140
Carrollton, Tx 75006

P: 713-869-9551
F: 713-869-4254



atlasarchmetals.com