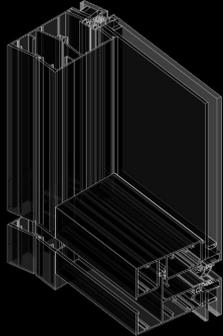
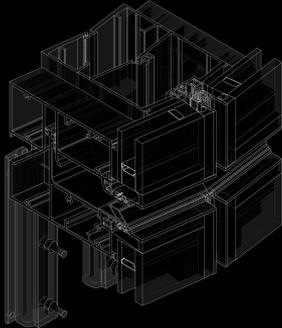


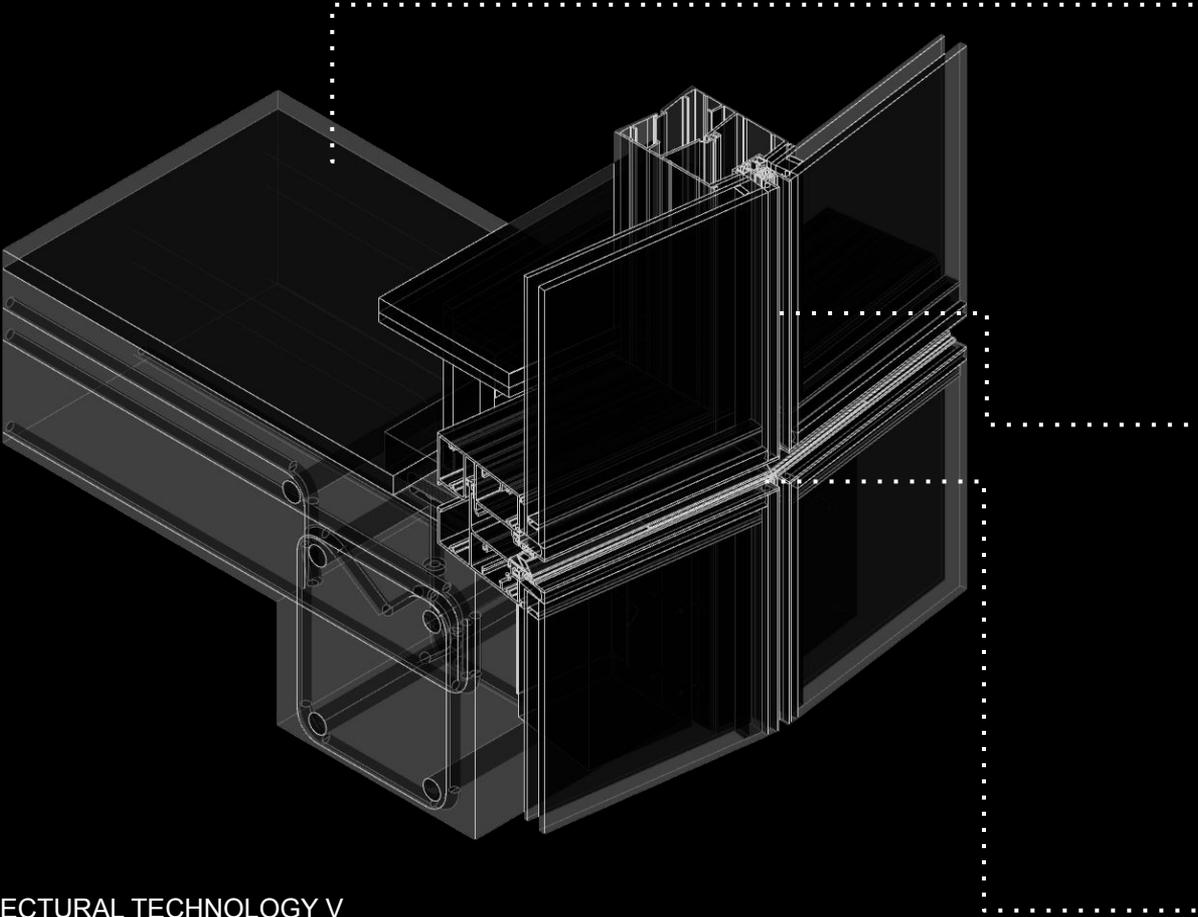
SLAB



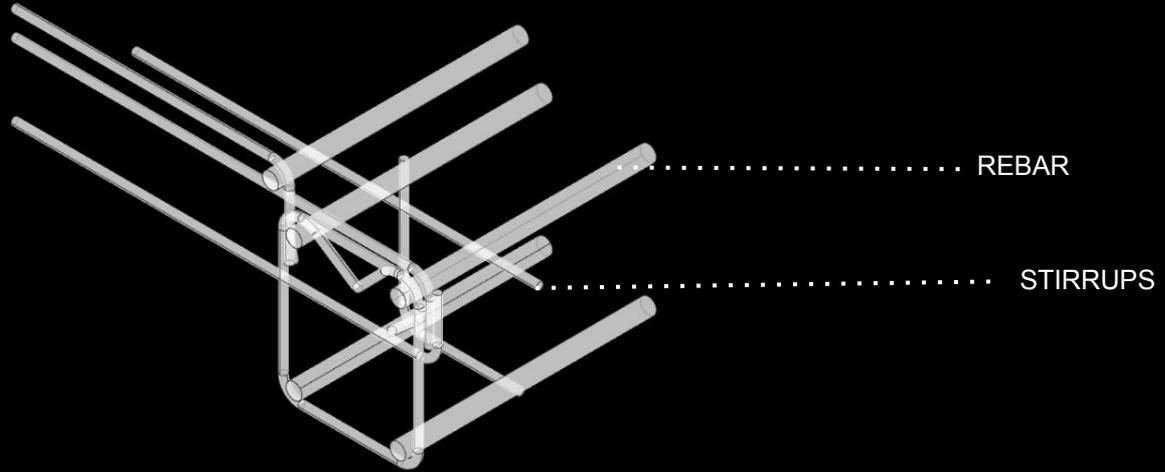
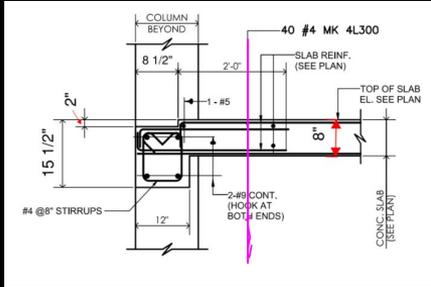
MULLION IGU

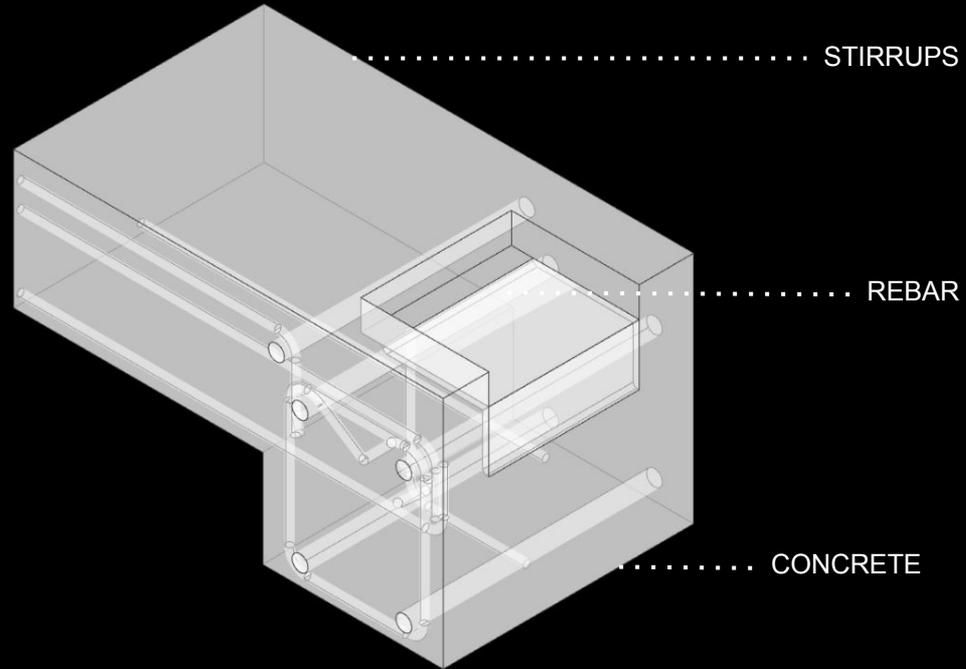


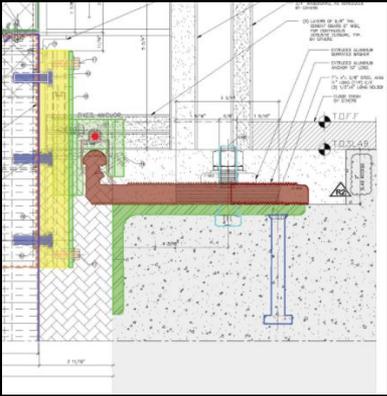
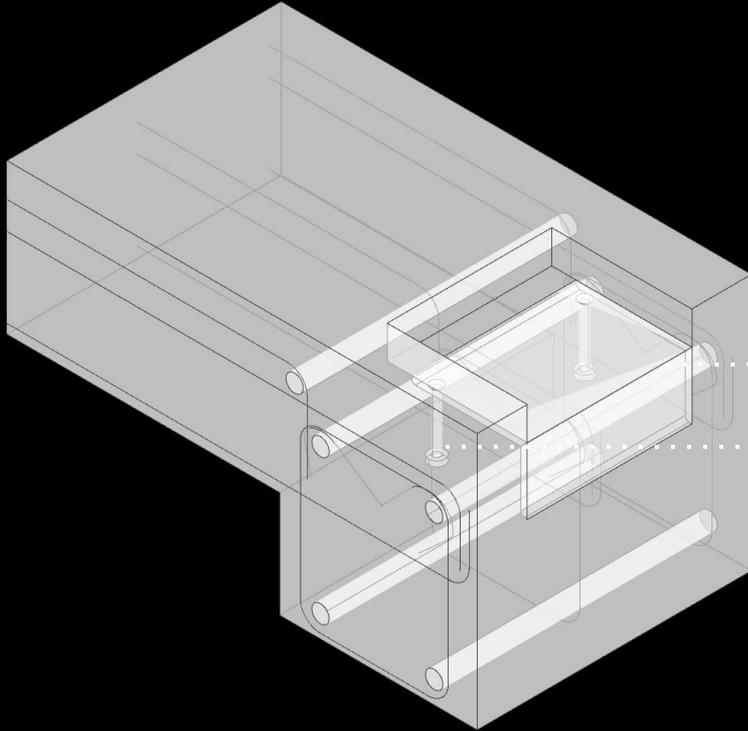
INTERSECTION



# SLAB



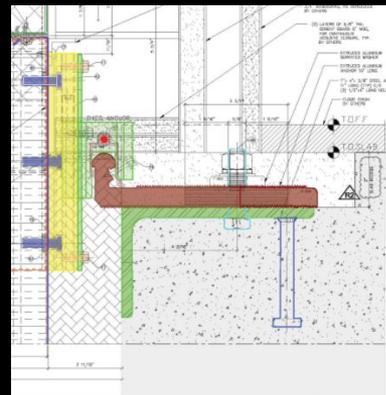
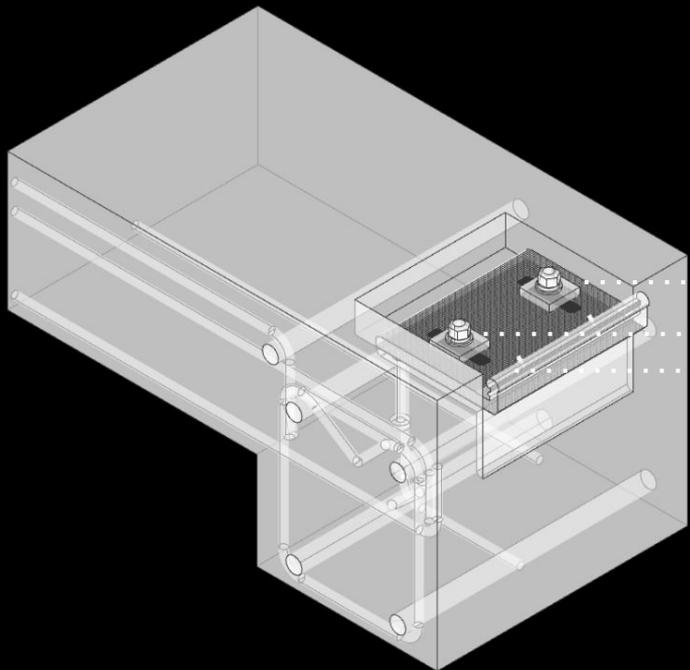




..... ANGLE

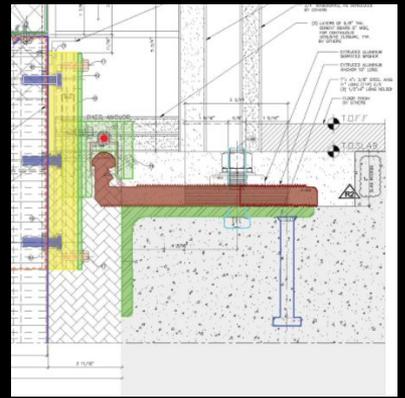
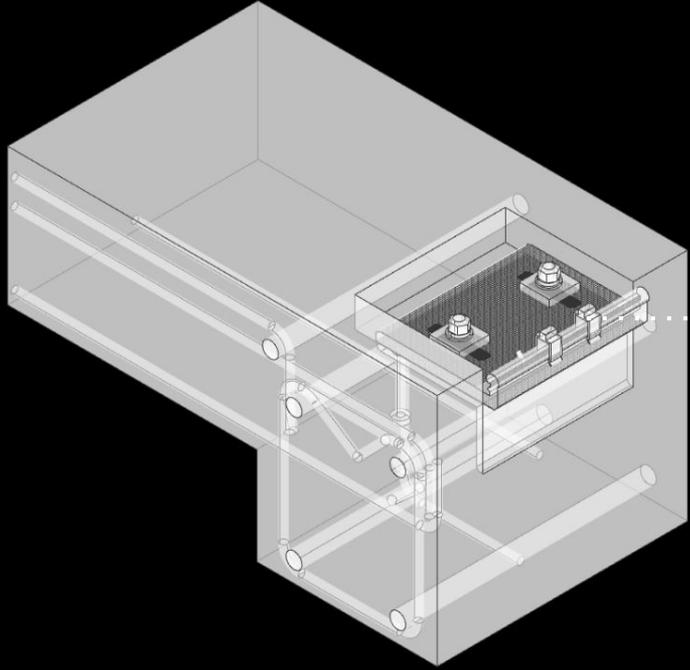
..... WELDED STUD





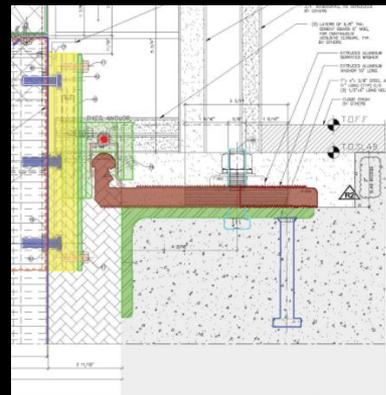
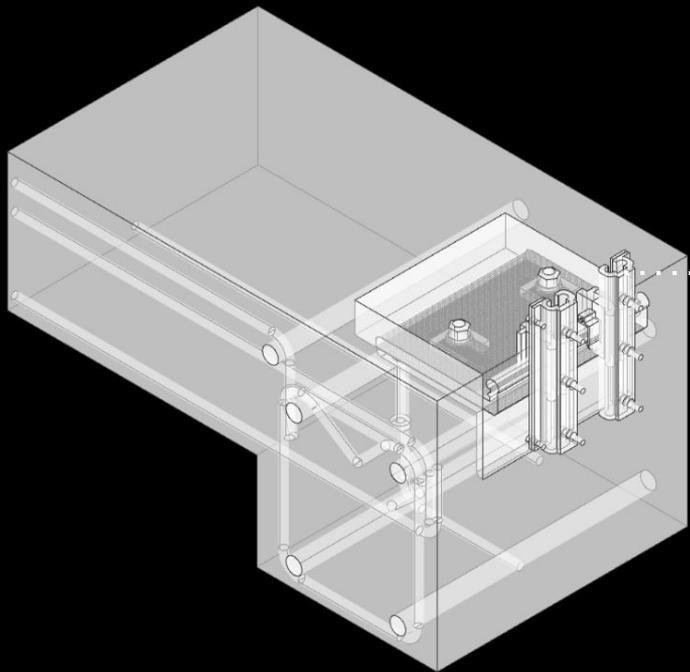
ALUMINUM ANCHOR

KNOB



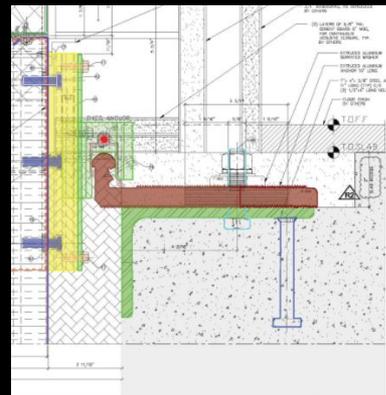
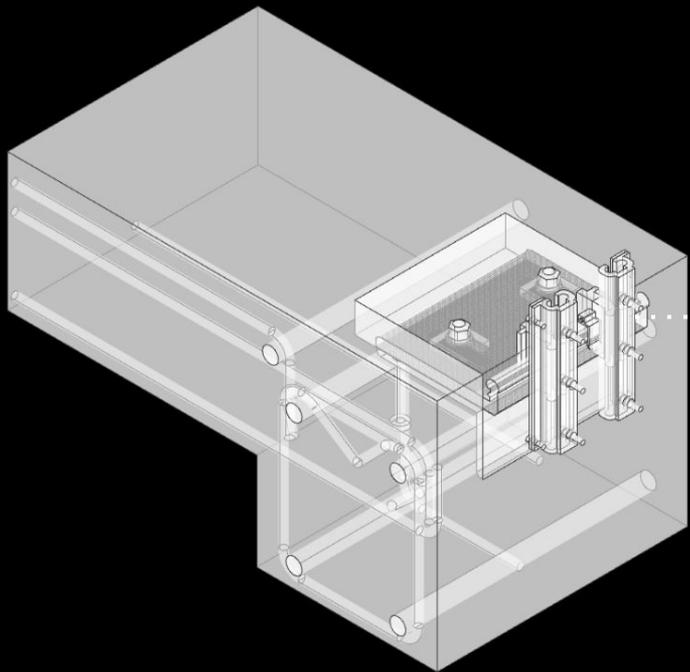
.....ANTI-LIFTING CLIP

	<p><b>WS-501R</b></p> <p>ANTI-LIFTING CLIP</p>
	<p>MATERIAL: ALUMINUM</p> <p>ALLOY: 6063-T6</p> <p>FINISH: PRIME PAINTED</p>



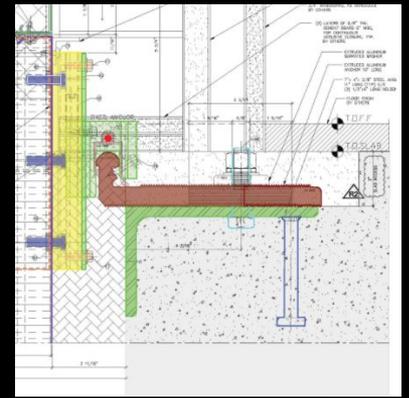
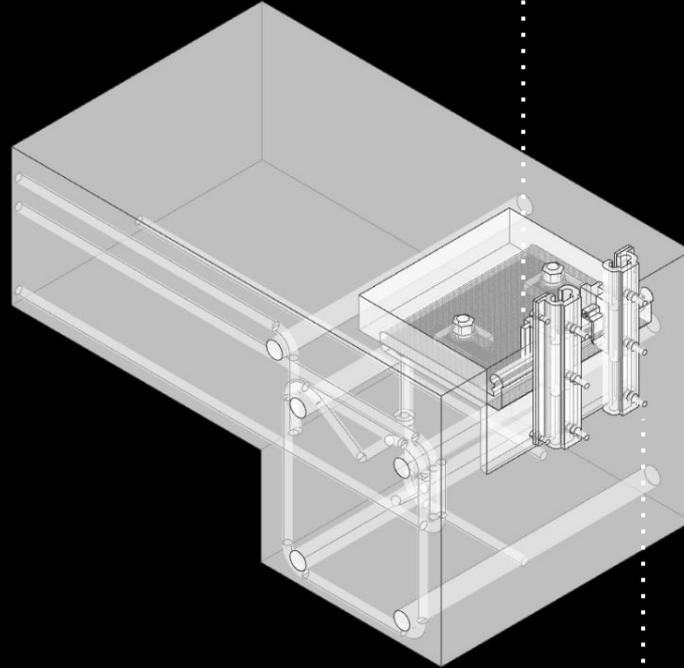
ANCHOR HOOK

	<b>T-025</b> ANCHOR HOOK
	MATERIAL: ALUMINUM
	ALLOY: 6061-T6
	FINISH: FLASH ANOD
	DIE STATUS: EXISTING



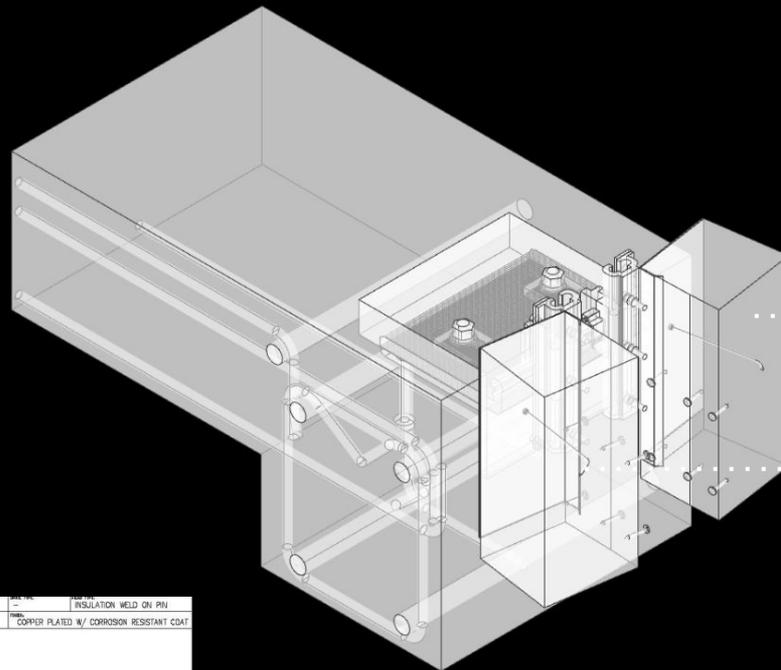
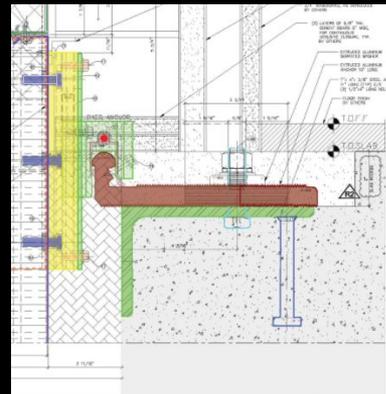
CLIP

17	IN STOCK		DESCRIPTION	DIAMETER - THREAD	LENGTH	GRADE TYPE	HEAD TYPE
			SCREW	1/4"-14	3/4"	HEX	HEX WASHER HEAD (HWH)
PART TYPE			MATERIAL	FINISH			
B			C.H. ST	ZINC			
MFG							
SPECIFICATIONS							



40	IN STOCK		DESCRIPTION	DIAMETER - THREAD	LENGTH	GRADE TYPE	HEAD TYPE
			BOLT	3/8"-16	1 1/4"	SOCKET	LOW HEAD SOCKET CAP (LHSC)
PART TYPE			MATERIAL	FINISH			
B			ALLOY STEEL	MAGN® 565 COATED			
MFG			THERMO 3 ANCHOR				



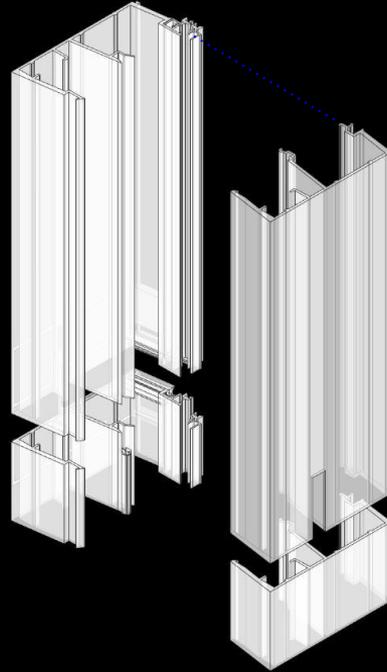
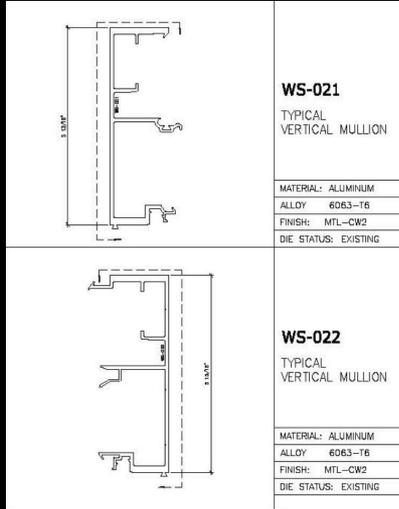


INSULATION

WELD ON PINS

DESCRIPTION	QUANTITY	UNIT	REMARKS
RETAINER	1	EA	INSULATION WELD ON PIN
FOR GALV. STEEL BACK PAVIS			
12 GA MILD STEEL			COPPER PLATED W/ CORROSION RESISTANT COAT
(S0415007)	1	1/2"	FOR 1" INSULATION
(S0415008)	2	1/2"	FOR 2" INSULATION
(S0415009)	3	1/2"	FOR 3" INSULATION
(S0415010)	4	1/2"	FOR 4" INSULATION
(S0415011)	5	1/2"	FOR 5" INSULATION
(S0415012)	6	1/2"	FOR 6" INSULATION
(S0415013)	7	1/2"	FOR 7" INSULATION
(S0415014)	8	1/2"	FOR 8" INSULATION
(S0415015)	9	1/2"	FOR 9" INSULATION
(S0415016)	10	1/2"	FOR 10" INSULATION

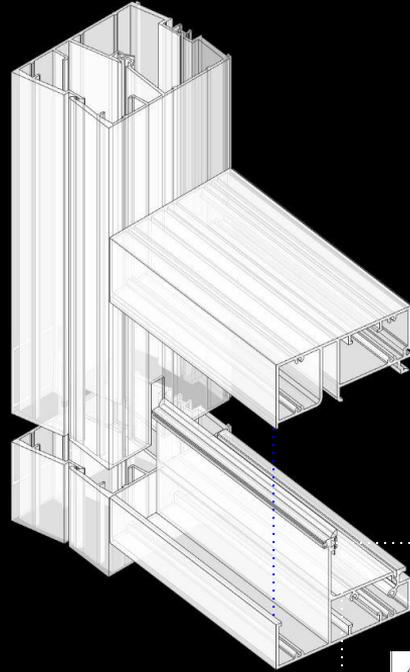
# Mullion and Glazing



Vertical Mullion

BSI	WS-024	VERTICAL_AIR_SEAL_00017	13X_4
		MATERIAL: SILICONE	
		FINISH: BLACK	
		NOTE:	

Vertical Air Seal

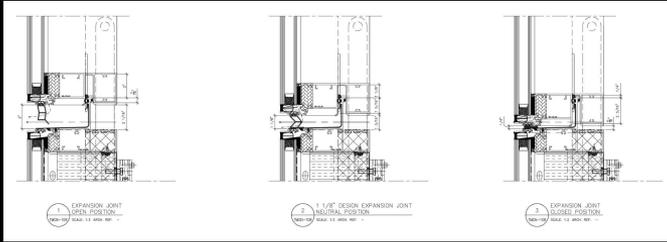


	<p><b>WS-121</b> TYPICAL TOP HOR. MULLION</p> <p>MATERIAL: ALUMINUM ALLOY: 6063-T6 FINISH: MTL-CW2 DIE STATUS: DESIGN</p>
	<p><b>WS-122</b> TYPICAL BOTTOM HOR. MULLION</p> <p>MATERIAL: ALUMINUM ALLOY: 6063-T6 FINISH: MTL-CW2 DIE STATUS: DESIGN</p>

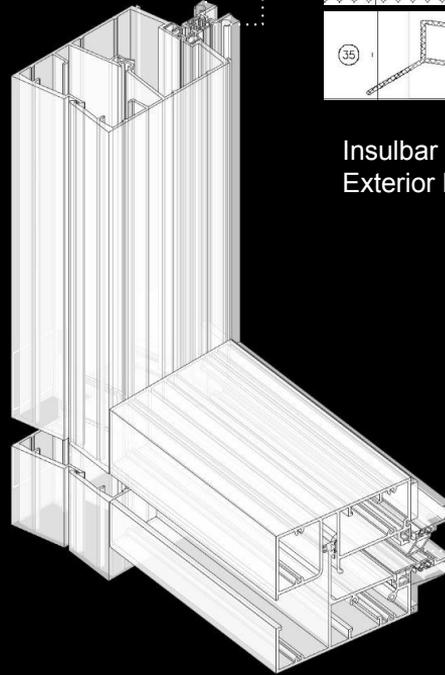
Horizontal Mullion

<p>82</p>		<p>HW2-G03</p>		<p>SECTION: HORIZONTAL AIR SEAL GASKET</p> <p>MATERIAL: EXTRUDED SILICONE (60 x 9 DUR)</p> <p>FINISH: BLACK</p>	<p>9020391</p>
<p>83</p>		<p>WS-G02</p>		<p>SECTION: BOOT_AIRT_GASKET</p> <p>MATERIAL: EXTRUDED SILICONE (60x/-S-DUR)</p> <p>FINISH: BLACK</p>	<p>VEN_#</p>

Boot Joint Gasket



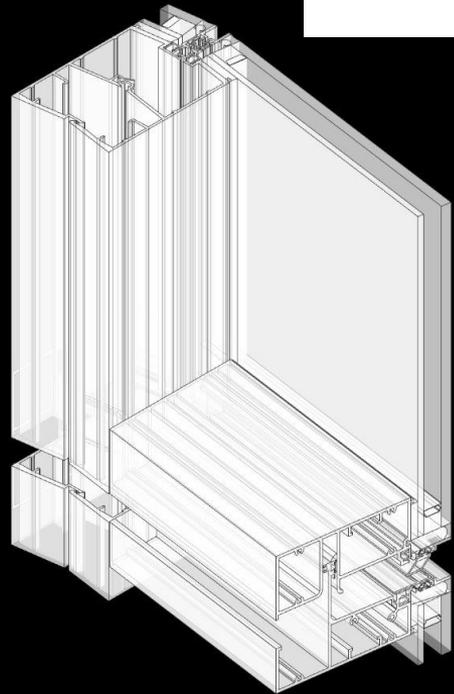
72	IN STOCK		100-G11		DESCRIPTION SILICONE BACK-UP GASKET MATERIAL POLYETHYLENE (TRANSLUCENT) FINISH FOR SEALANT JOINTS UP TO 1/2"	9510150
88			20mm 4145_RPT		DESCRIPTION INSULBAR (20 x 7.5 mm) MATERIAL GLASS-REINFORCED BLACK NYLON FINISH BLACK	
35			HW2-001R		DESCRIPTION EXTERIOR EXPANSION MATERIAL EXTRUDED SILICONE (70 ± 5 DURO) FINISH BLACK NET WT	

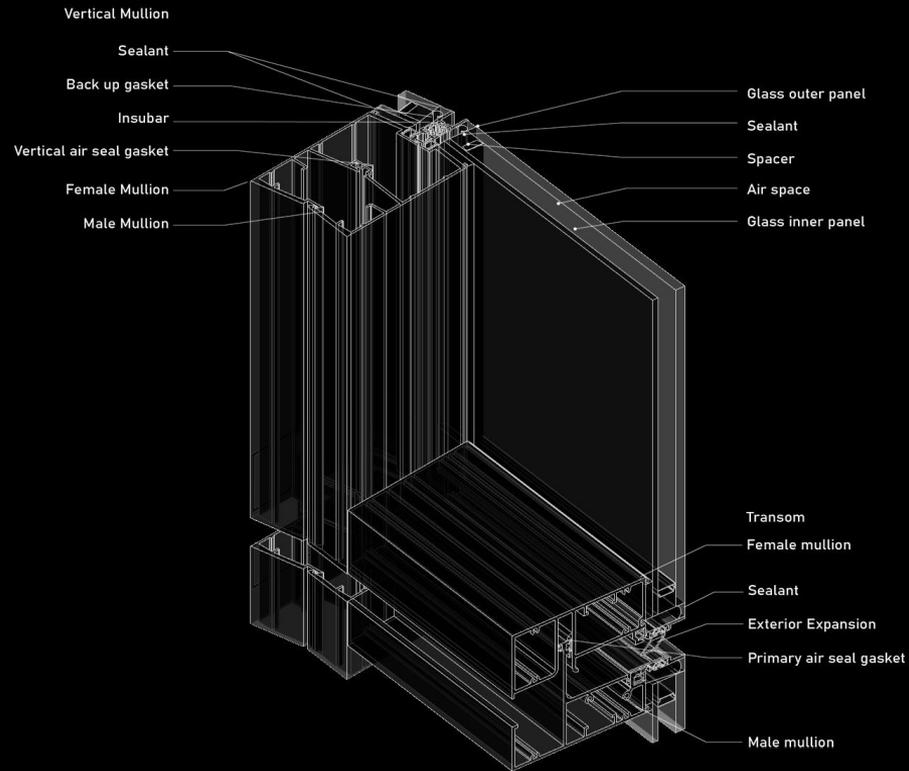


Insulbar  
Exterior Expansion

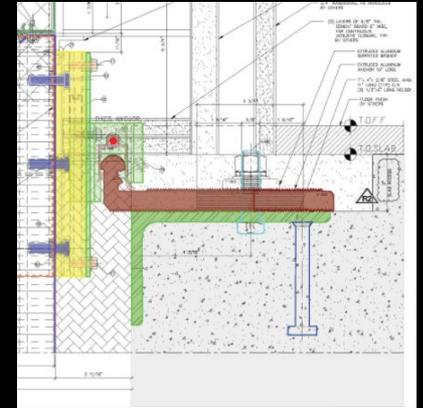
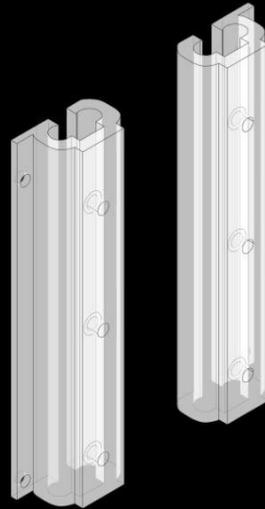
	<b>WS-601R1</b> TYPICAL VERTICAL FIN ADAPTER
MATERIAL: ALUMINUM	
ALLOY: 6063-T6	
FINISH: PRIME PAINT	
DIE STATUS: EXISTING	

Vertical Fin Adaptor



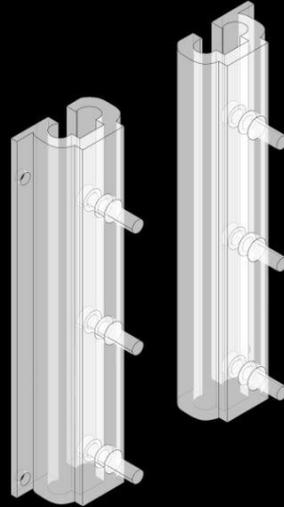
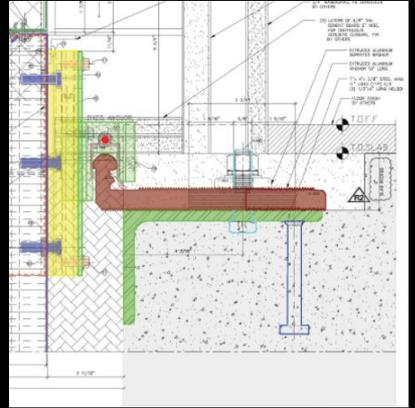


# 4-WAY INTERSECTION



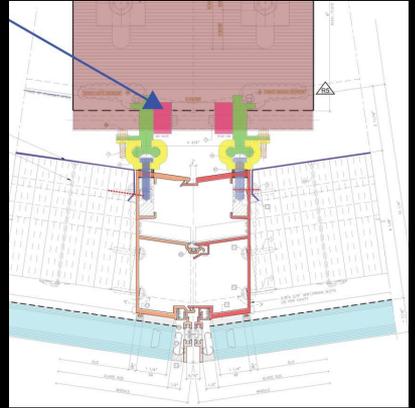
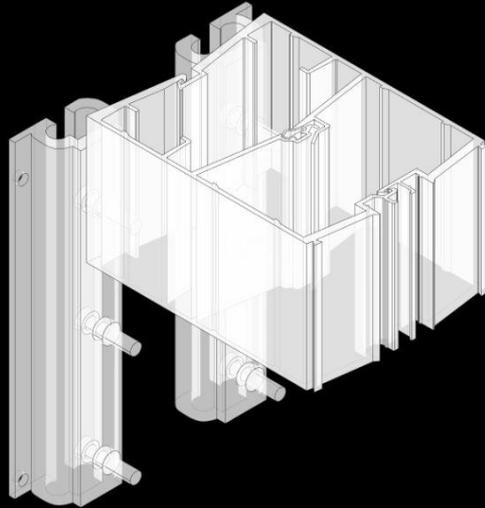
CLIPS

40	IN STOCK		DESIGN: BOLT	DRAWN: SWAN	DATE: 1 1/4"	TYPE: SOCKET	REV: LOW HEAD SOCKET CAP (LHSC)	HA640212
			PORT: METAL	MATERIAL: ALLOY STEEL	FINISH: MAGNI 565 COATED			
NOTE: THEPNO 3 ANCHOR								
82	STATUS		DESIGN: CUSTOM_WASHER_AT_ANCHOR_(RES)	DRAWN: ALUMINUM	DATE: ---	TYPE: ---	REV: ---	
			NOTE: CUSTOM_WASHER_AT_ANCHOR_(RES)					

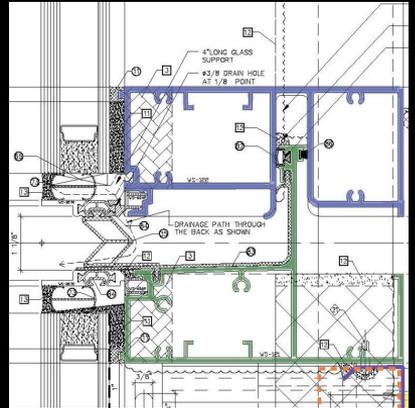
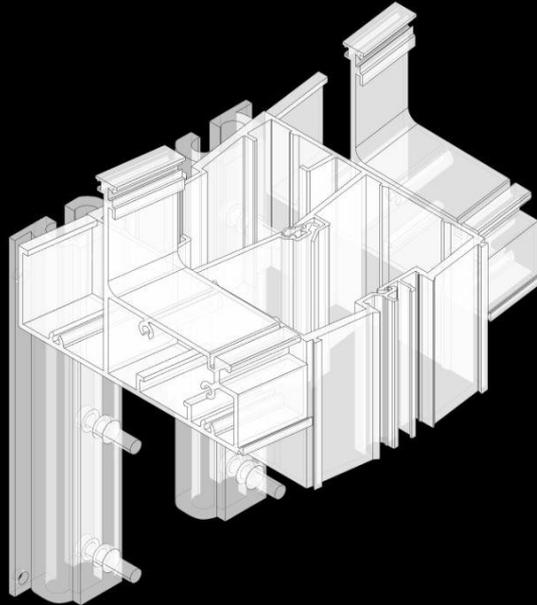
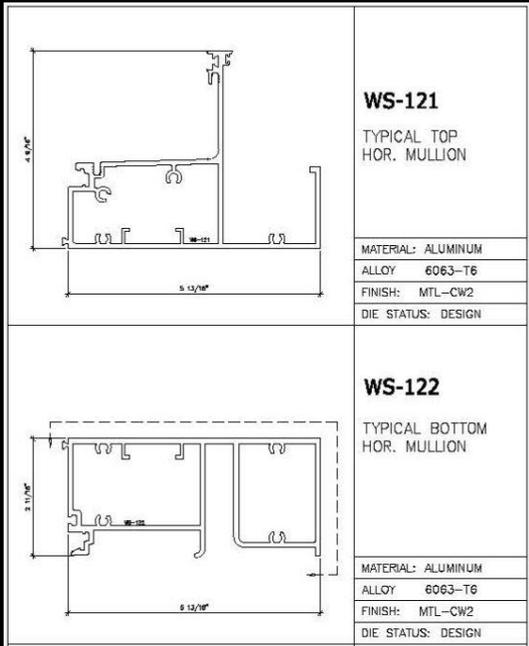


BOLTS

	<p><b>WS-021</b> TYPICAL VERTICAL MULLION</p> <table border="1"> <tr><td>MATERIAL:</td><td>ALUMINUM</td></tr> <tr><td>ALLOY:</td><td>6063-T6</td></tr> <tr><td>FINISH:</td><td>MTL-CW2</td></tr> <tr><td>DIE STATUS:</td><td>EXISTING</td></tr> </table>	MATERIAL:	ALUMINUM	ALLOY:	6063-T6	FINISH:	MTL-CW2	DIE STATUS:	EXISTING
MATERIAL:	ALUMINUM								
ALLOY:	6063-T6								
FINISH:	MTL-CW2								
DIE STATUS:	EXISTING								
	<p><b>WS-022</b> TYPICAL VERTICAL MULLION</p> <table border="1"> <tr><td>MATERIAL:</td><td>ALUMINUM</td></tr> <tr><td>ALLOY:</td><td>6063-T6</td></tr> <tr><td>FINISH:</td><td>MTL-CW2</td></tr> <tr><td>DIE STATUS:</td><td>EXISTING</td></tr> </table>	MATERIAL:	ALUMINUM	ALLOY:	6063-T6	FINISH:	MTL-CW2	DIE STATUS:	EXISTING
MATERIAL:	ALUMINUM								
ALLOY:	6063-T6								
FINISH:	MTL-CW2								
DIE STATUS:	EXISTING								

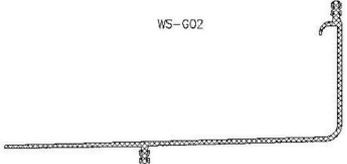


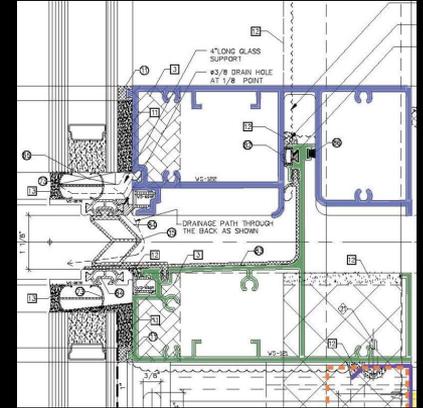
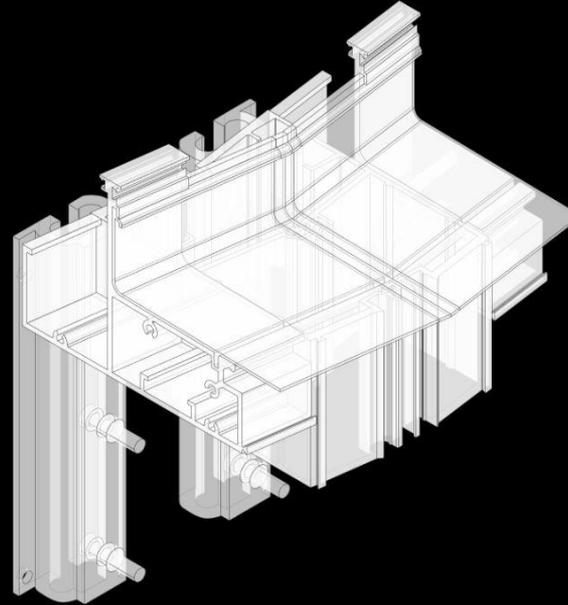
VERTICAL MULLION  
(BOTTOM)



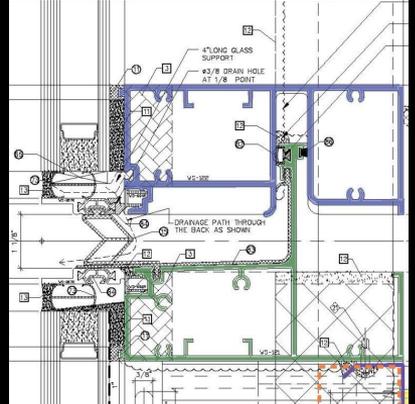
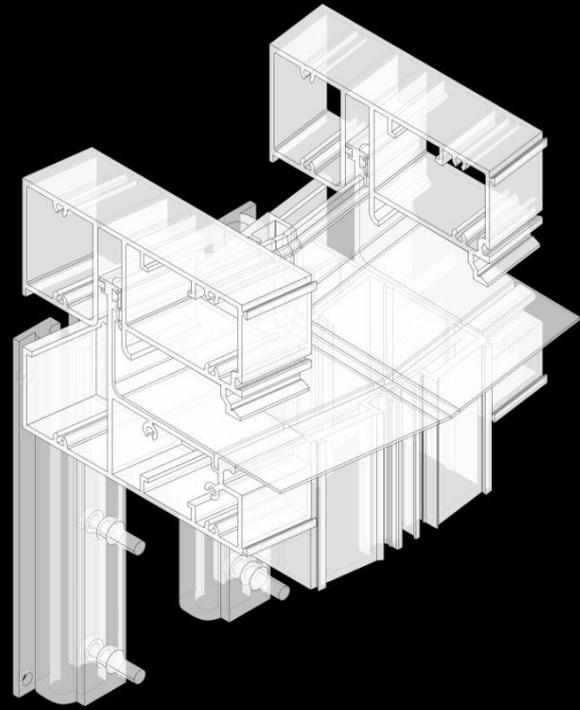
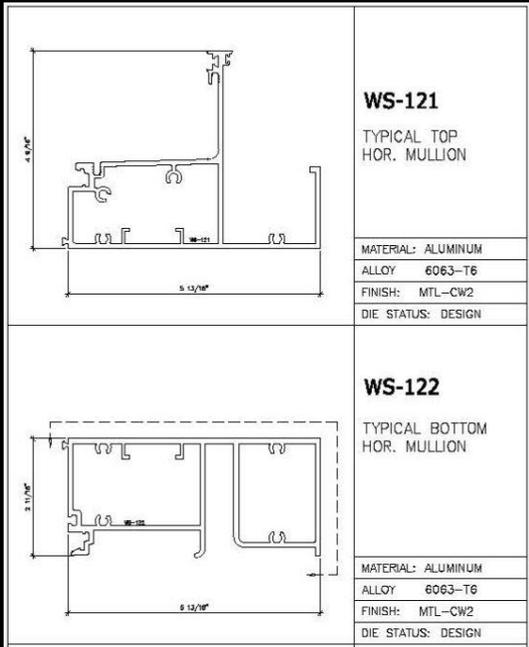
HORIZONTAL MULLION  
(BOTTOM)

4-WAY INTERSECTION

83 STATUS	WS-G02	DESCRIPTION: BOOT_JOINT_GASKET		ITEM #
		MATERIAL: EXTRUDED_SILICONE_(60+/-_5_DURO)		
		COLOR: BLACK	NOTE:	

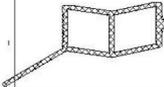


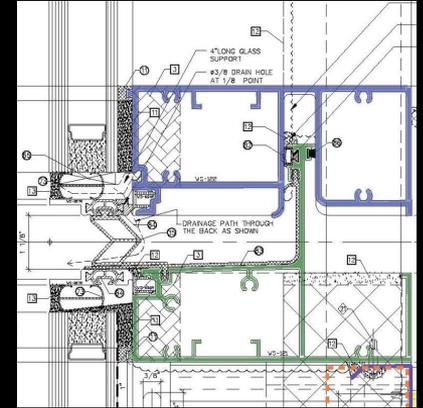
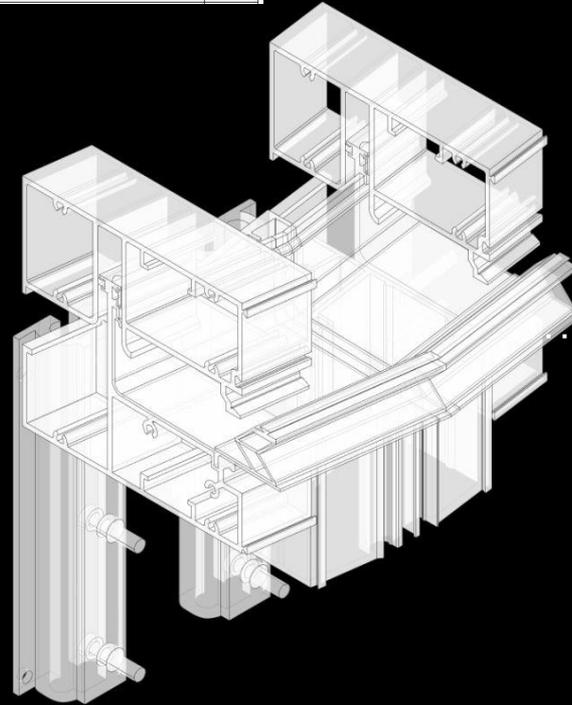
BOOT JOINT GASKET (12"  
LONG, CENTERED  
BETWEEN UNITS)



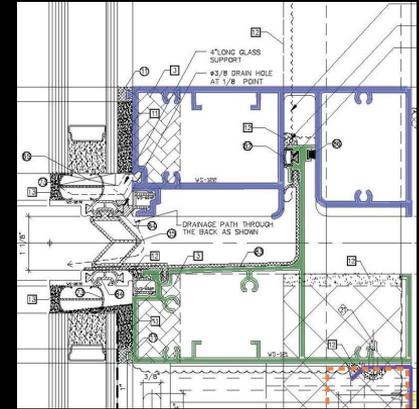
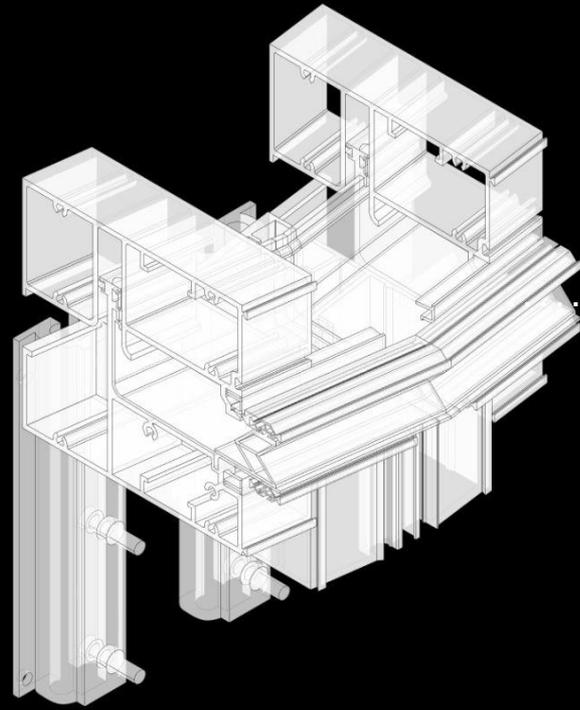
HORIZONTAL MULLION  
(TOP)

4-WAY INTERSECTION

35		HW2-G01R	DESCRIPTION		90610193
			EXTERIOR EXPANSION		
INTERNAL			EXTRUDED SILICONE (70 ± 5 DURO)		
COLOR			BLACK		



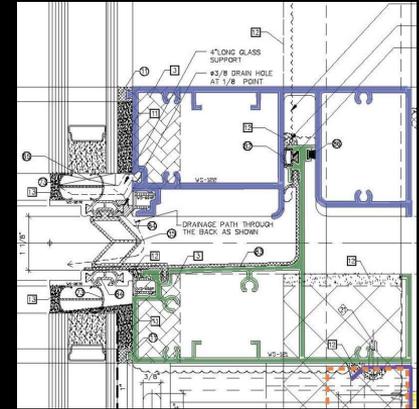
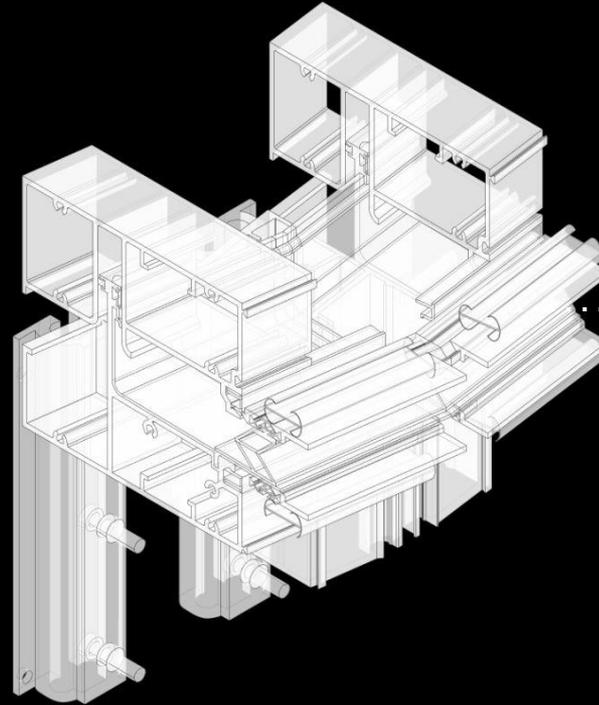
..... EXTRUDED SILICONE



..... ALUMINUM AND GLASS CLIPS

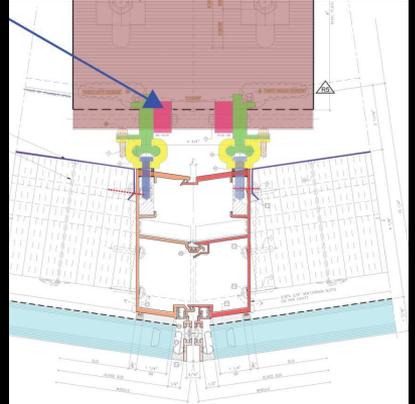
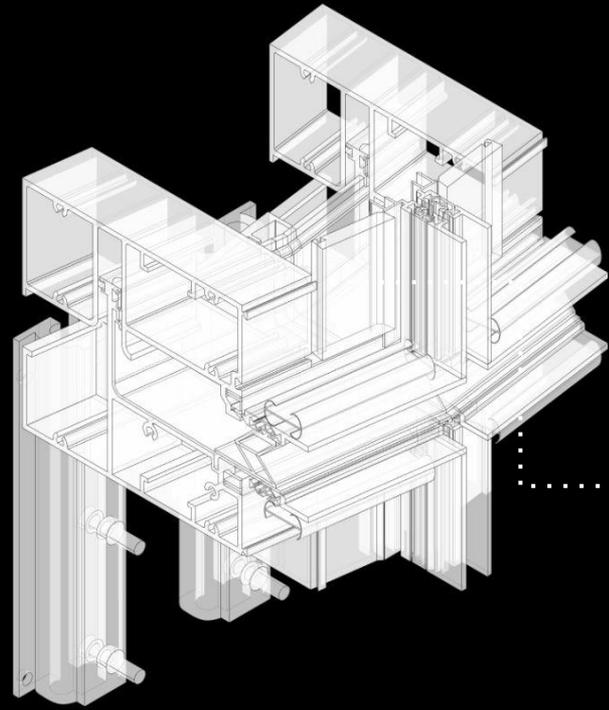


73	IN STOCK		100-G12		DESCRIPTION:	30510161
					SILICONE BACK-UP GASKET	
					MATERIAL:	
					POLYETHYLENE (TRANSLUCENT)	
DETAIL:	NOTE:					
					FOR SEALANT JOINTS UP TO 9/16"	

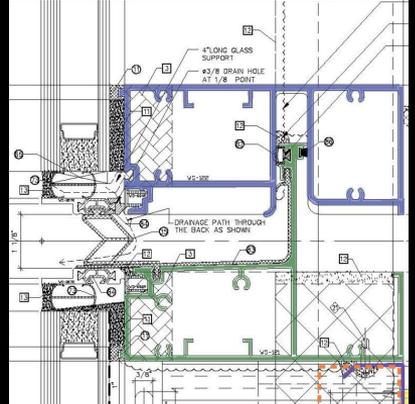
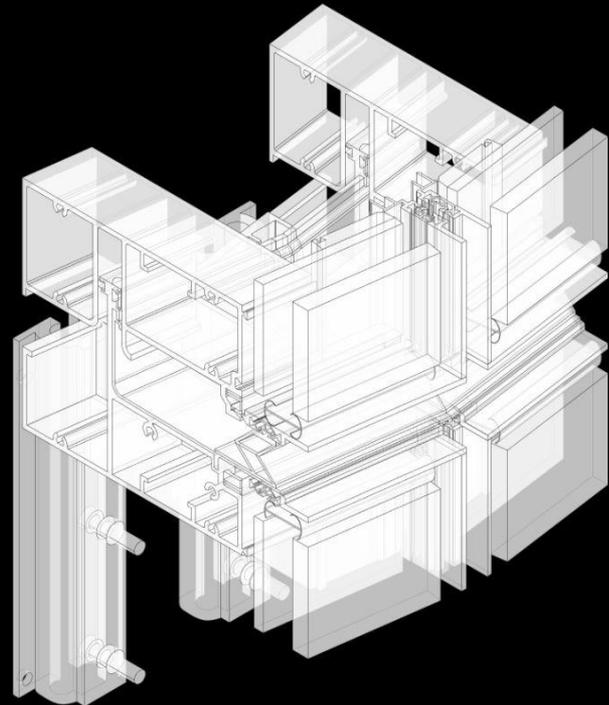


..... POLYETHYLENE



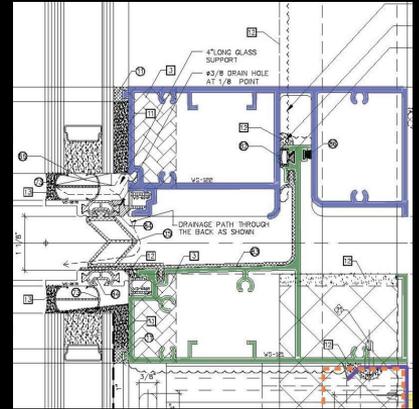
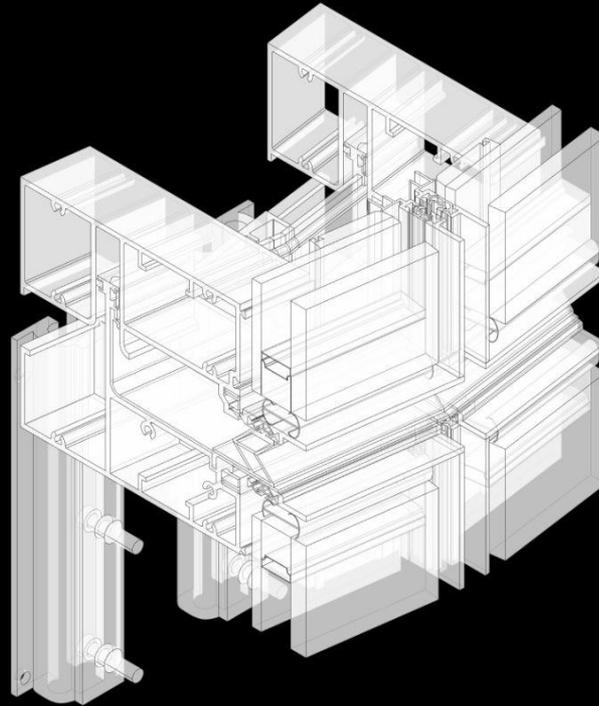


..... SEALANT



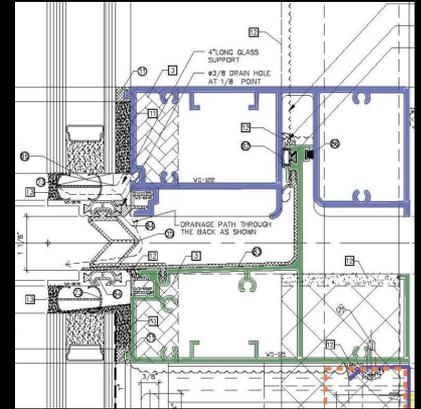
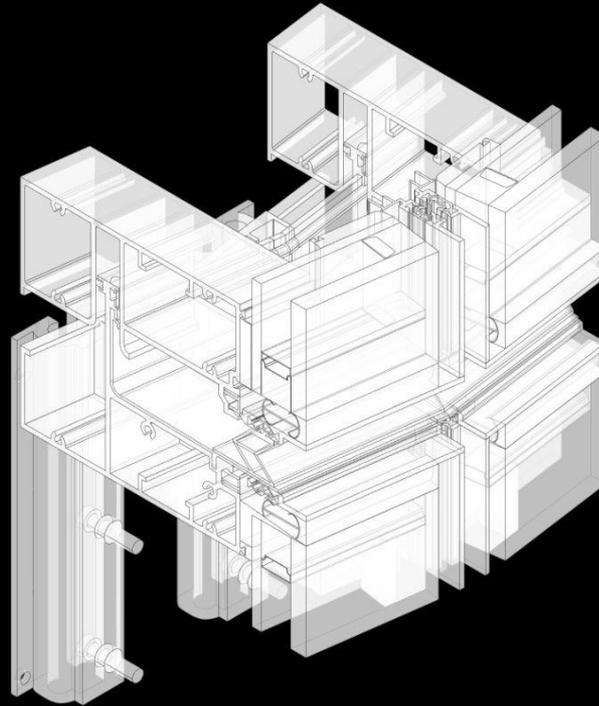
GLASS

4-WAY INTERSECTION



SPACER

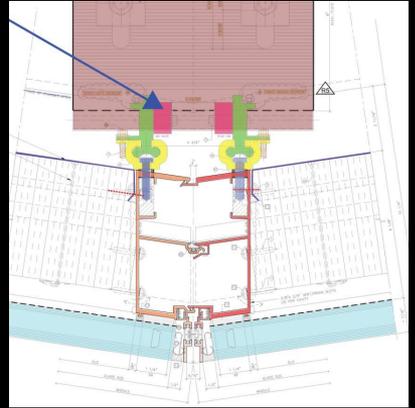
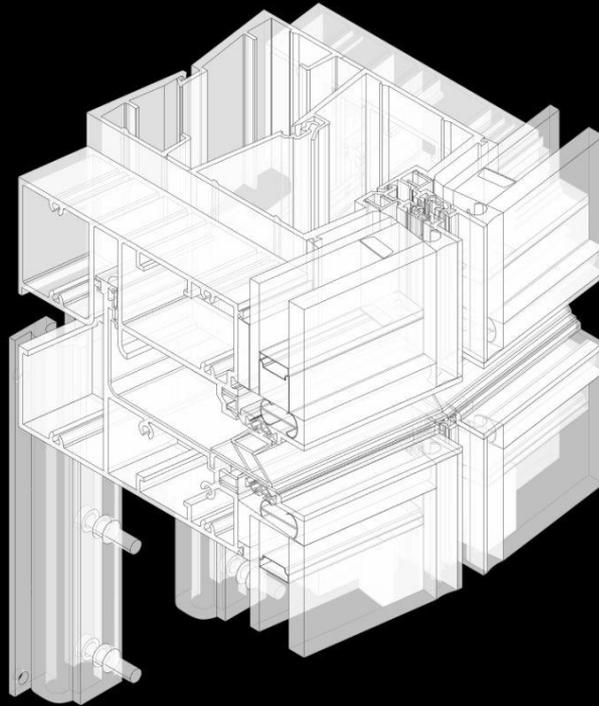
4-WAY INTERSECTION



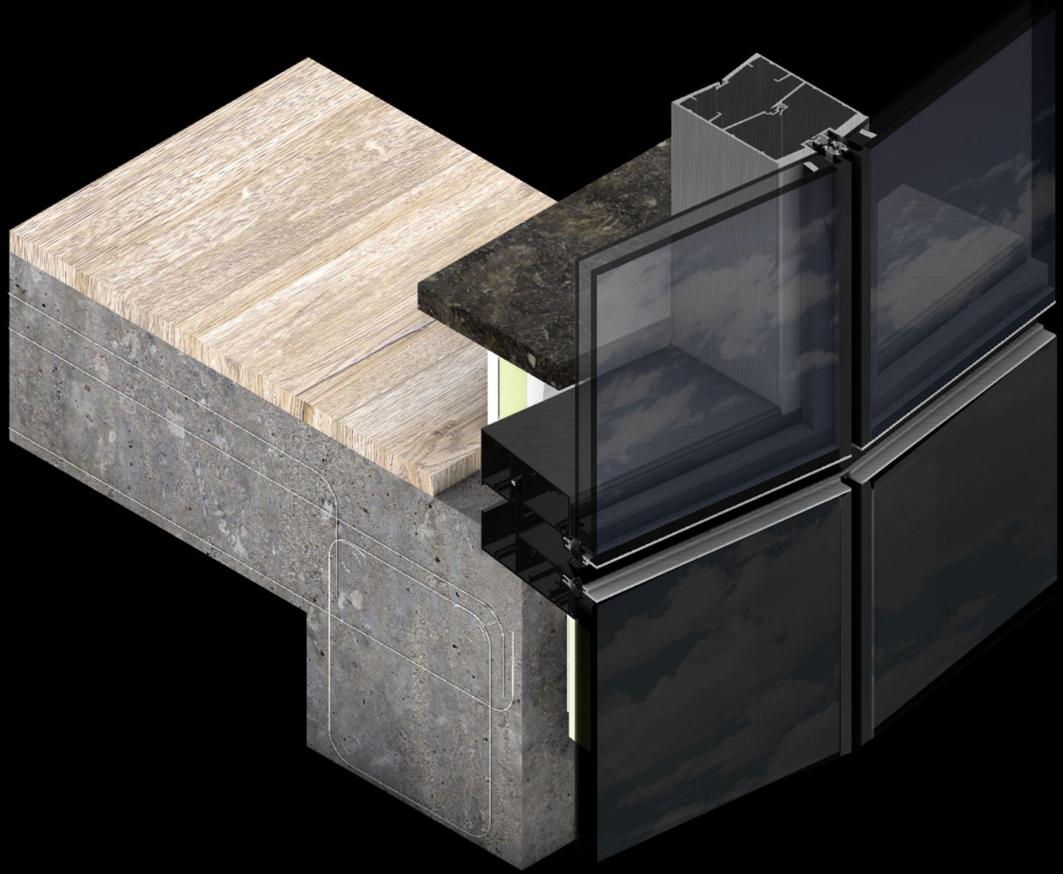
SILICONE SEALANT

4-WAY INTERSECTION

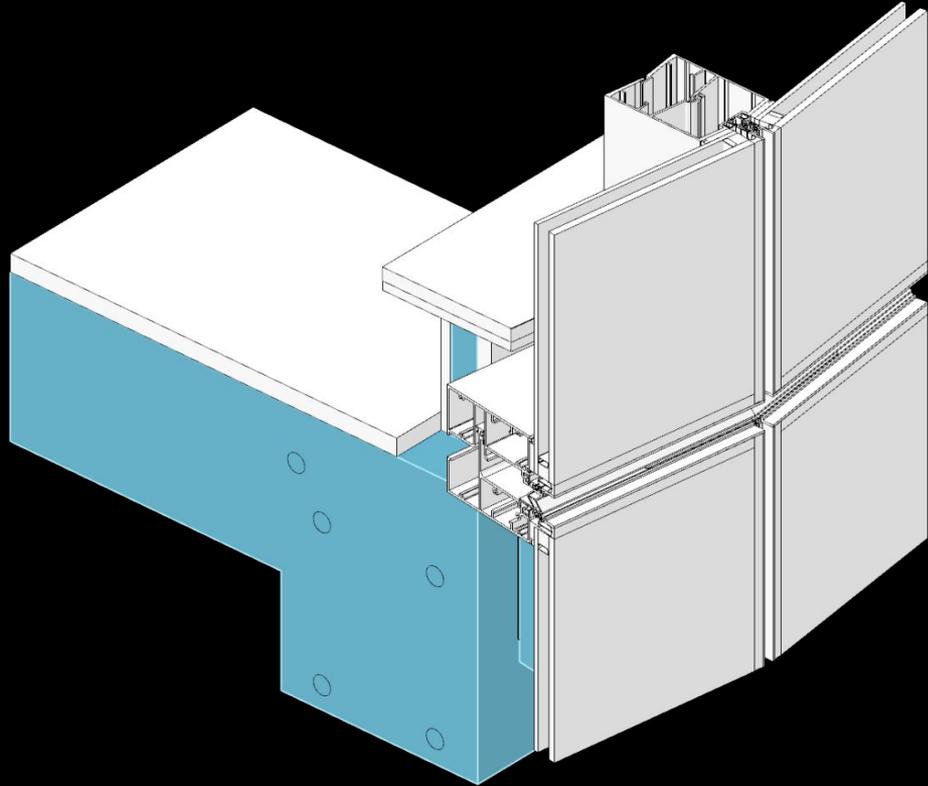
	<p><b>WS-021</b> TYPICAL VERTICAL MULLION</p> <table border="1"> <tr><td>MATERIAL:</td><td>ALUMINUM</td></tr> <tr><td>ALLOY:</td><td>6063-T6</td></tr> <tr><td>FINISH:</td><td>MTL-CW2</td></tr> <tr><td>DIE STATUS:</td><td>EXISTING</td></tr> </table>	MATERIAL:	ALUMINUM	ALLOY:	6063-T6	FINISH:	MTL-CW2	DIE STATUS:	EXISTING
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ALLOY:	6063-T6								
FINISH:	MTL-CW2								
DIE STATUS:	EXISTING								



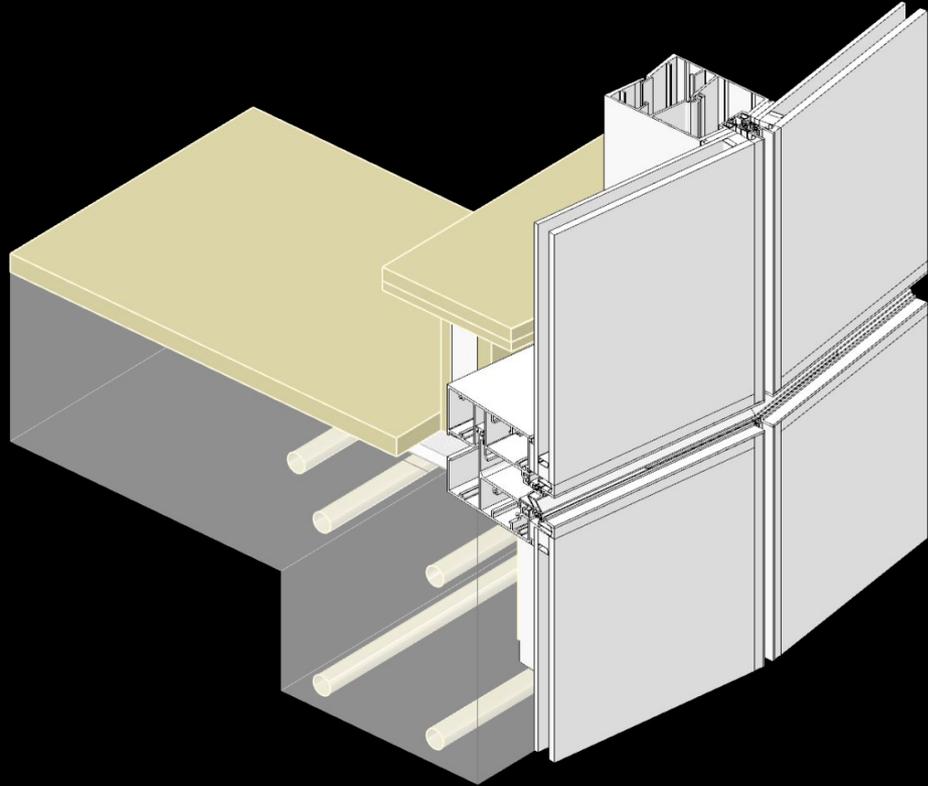
VERTICAL MULLION (TOP)



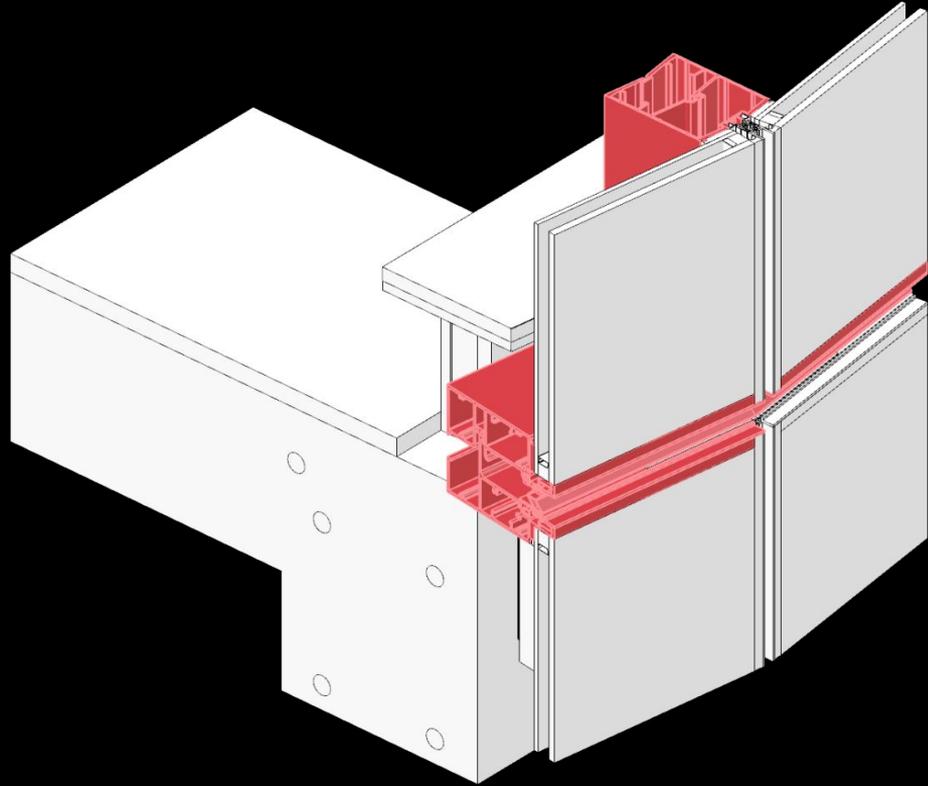
# Physical Model



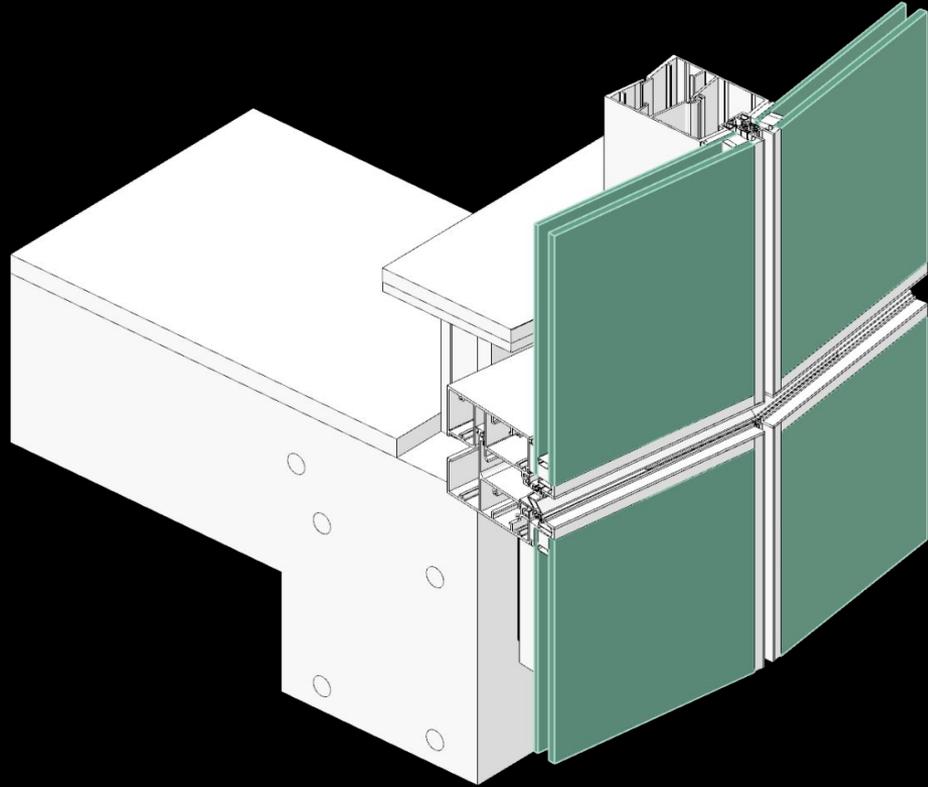
Blue Foam



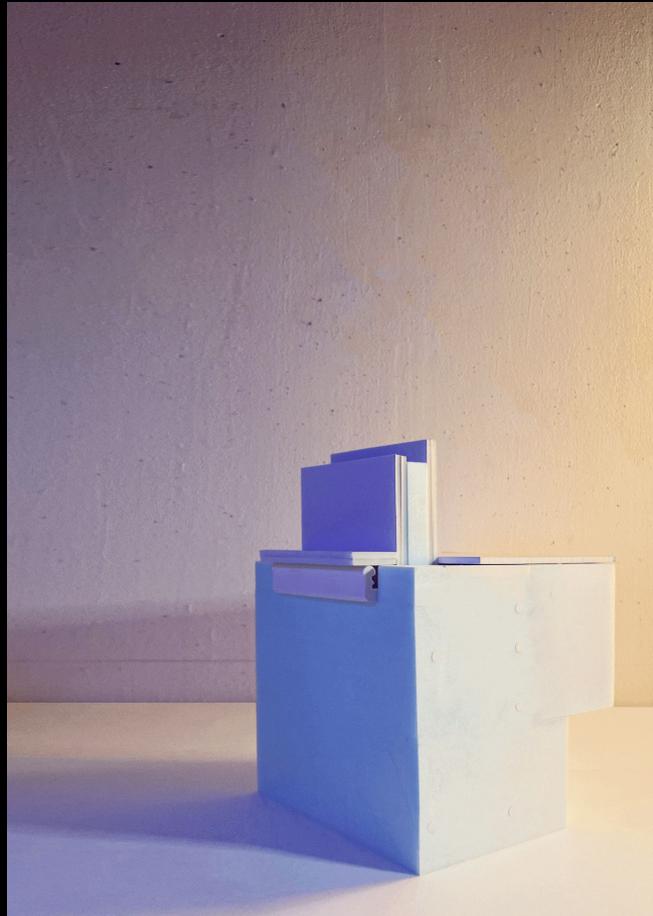
Foamcore and Paper



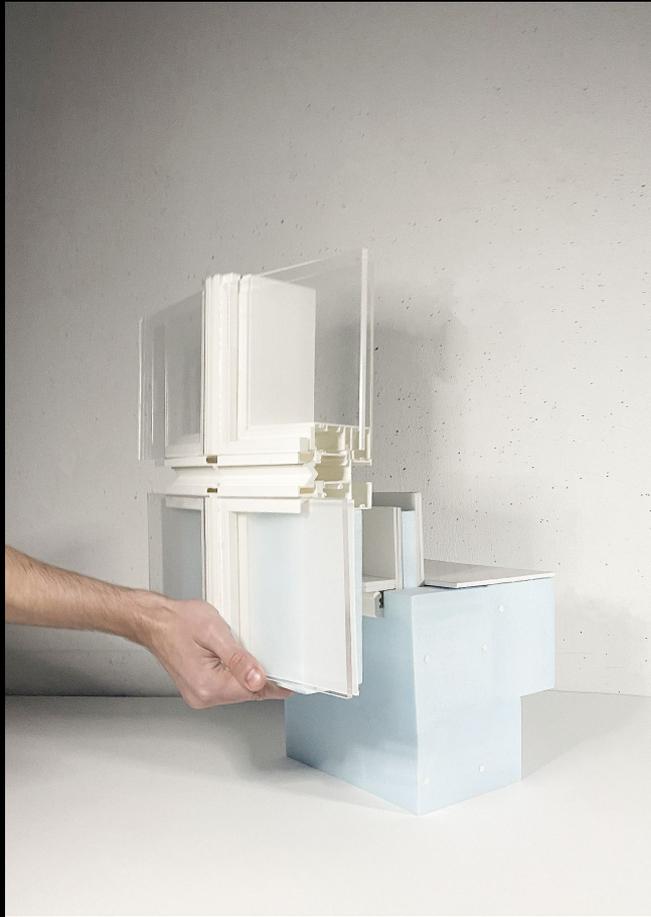
3D Printing

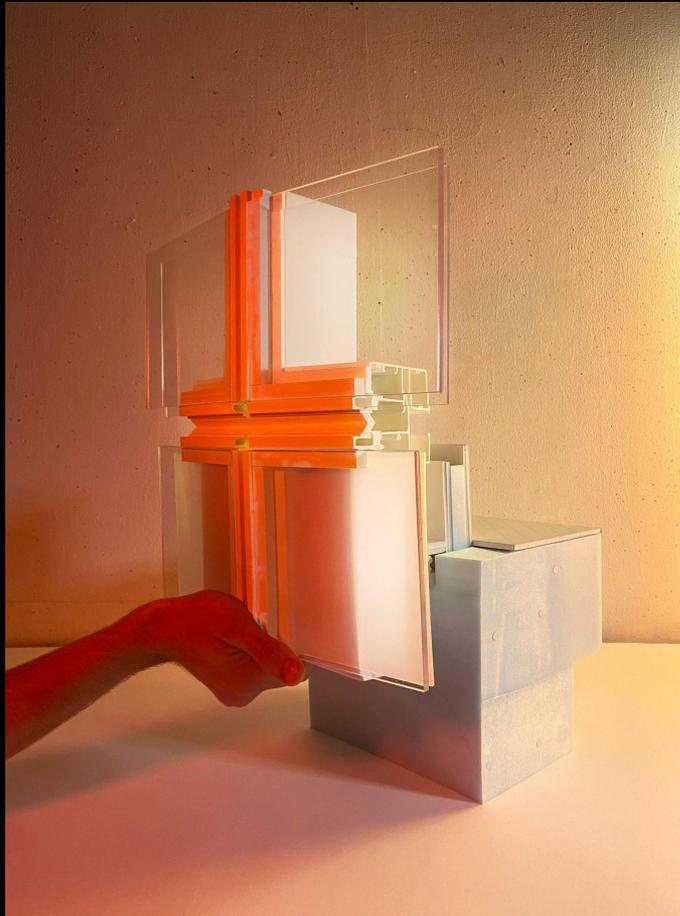


Acrylic (Clear and Fritted)



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