



Architectural Binder Section NW MultiSlide 630

GENERATION ™

Comprehensive Product Line by NanaWall

NanaWall[®]
Boundaries **Unbound**[®]

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NW MultiSlide 630—Generation 4 MultiSlide Glass Wall by NanaWall

NanaWall, the innovator of high-performing, durable glass wall systems, has done it again. Introducing a modern and innovative new take on sliding doors, the NW MultiSlide 630. As part of the comprehensive NanaWall Generation 4 product line, the NW MultiSlide 630 offers the best weather performance in the industry with slim sightlines, barefoot-friendly sills, and robust rollers that ensure the panels glide with ease.

The NW MultiSlide 630 aluminum frame profile is styled in a crisp, angular design with the intersection of two sliding panels being a mere 2 1/8" (55 mm). Comprised of a host of proprietary and patented features, this Generation 4 MultiSlide Glass Wall offers an extremely streamlined appearance, creating a new level of aesthetics and performance. As a custom-built architectural solution, NW MultiSlide 630 offers the unique flexibility option of multidirectional panels for those who seek ultimate versatility.

NW MultiSlide 630 is designed to be rattle-resistant, highly energy efficient, and have strong weather performance. Offered in both double and triple glazing, this system provides exceptional protection from outside elements in all climates and delivers comfort and security when closed. As a NanaWall product, the NW MultiSlide 630 has been put through rigorous independent performance testing for air, water, structural, thermal, acoustics, operation, and forced entry.

Consistent Sightline Across All Generation 4 Aluminum Framed Systems

Unique to the Generation 4 product line, the NW MultiSlide 630 offers the same consistent horizontal frame lines found across all of the aluminum framed Generation 4 products. This allows the architect, builder, and designer to design with NanaWall Generation 4 folding, sliding, individual swing doors, tilt turn windows, sidelites, and transoms while keeping a continuous and uniform glass line within their projects.

Minimal Sightlines and Modern Aesthetic with Patented Multifunctional Thermal Break

Panel frames are thin and contemporary with a total 2 1/8" (55 mm) junction where the two adjacent sliding vertical stiles interlock. The top rails are a visible 1 3/4" (45 mm) and the bottom rails are 3" (76 mm), providing clean aesthetics. Panel depth is 2 5/8" (67 mm).

The Bionic Turtle® is a patented (Patent No. US10550625B2) polyamide single piece insulbar design that serves many functions. Not only does it provide an outstanding insulating thermal break within the frame profiles for energy efficiency, but it also serves as a concealed channel to house the system's locking rods.

Multidirectional Panels Provide Ultimate Flexibility

NW MultiSlide 630, like the Generation 4 folding systems, offers the ultimate in user flexibility with the optional configurations that allow for multidirectional panels. The panels in a XX or XXX configuration allow for the system to be opened at either end.

Unique Gothic Arch Roller Design Provides Frictionless Smooth Operation

NW MultiSlide 630 is engineered for ease of use providing effortless opening and closing of the system on demand. The bottom rollers run on two stainless steel wheels with a unique Gothic arch design supported by a double row of encapsulated and self-lubricating ball bearings. With a 2-point contact of each wheel to the floor track, the system glides quietly and smoothly with less friction by providing an equal distribution of weight on the stainless steel track. Stainless steel rollers offer a smoother, more robust, and durable rolling experience over those made of plastic.

The rollers run above the water table and are concealed in the bottom rail. This proprietary design allows for continued long-term smooth operation and has been (internally) tested to 20,000 opening and closing cycles in accordance with DIN/EN 1191.

Two Weather Resistant Sill Options with ADA-Compliant and Barefoot-Friendly Feature

NW MultiSlide 630 floor supported panels glide on one of two sill options: Low Profile Saddle and Flush. The ADA-compliant Low Profile Saddle sill coordinates with the Low Profile Saddle sill of the NW Aluminum 640 folding system to create a unified and consistent glass sightline. The barefoot-friendly design of the Flush sill visually disappears with a level installation with the finished flooring.

Achieving an unprecedented 5.43 psf water rating for enhanced weather protection, the bottom rail of each panel provides a profile drip edge that extends into the sill and creates an optimal seal with the sills to combat wind and rain.

Both sills have weep holes pre-drilled in the factory for a cascading water management system. Up to three tracks are possible with the option of offsetting the tracks for a more minimal appearance.

Outstanding Thermal Efficiency and Triple Glazing Options

A fundamental benefit of this Generation 4 multislide glass wall is energy efficiency. Depending on the glass type selected, NW MultiSlide 630 offers thermal performance values as low as “.26”. For optimal defense from heat and cold, the system comes standard with two levels of concealed seals that are incorporated into the design of the profiles.

The glass pocket can accommodate double and triple paned glass from 1/4" (6 mm) to 1 3/4" (45 mm) insulated glass.

Acoustically Tested with Impressive Results

For interior application, this system combines sleek acoustically separated aluminum framing and specialized gasketing with sound enhanced glass to achieve optimal performance with the range of unit STC from 36 up to STC 43—all while allowing maximal transparency and natural daylight to flood interior spaces. For exterior applications, a unit OITC value ranging from 30 to OITC 36 can be achieved.

Quiet and Rattle-Free Features

A built-in rattle-resistant feature comes standard in the head track providing panels that remain quiet and secure within the frame. Additionally, NW MultiSlide 630 has bumpers designed to avoid any metal-to-metal contact creating a soft closing experience.

Secure Two-Point Locking with Additional Anti-Lift Feature

Unlike inferior sliding systems that only lock to the side jamb, NW MultiSlide 630 comes with highly secure two-point locking. With a simple 180° turn of the handle, steel locking rods with a 1" (24 mm) throw drive into both the head track and the sill. These locking rods, along with an anti-lift feature in the head track, provide built-in additional security eliminating the potential for vandals to lift or pry a panel out of the frame.

Optional Advanced Security Mechanism

For applications requiring state-of-the-art security, an optional lock monitoring system with Reed contacts is available located within the head track. A special concealed locking mechanism end cap applied to the locking rod, in

combination with the concealed Reed contact, creates an open or closed loop for the home security system supplied by others. This optional locking feature can be concealed cable routed through the frames to a home security system.

Multipurpose Frame Insert Provides Continuous Surface at Side Jamb and Head Track

Standard to the system is a black polyamide clip-on multipurpose frame insert that conceals all visible frame-to-structure attachment points and screw heads to create a clean, even appearance. Additionally, this frame cover piece creates a hollow space to run, and guide concealed cabling for the NW MultiSlide 630 to connect to a home security system by others.

Installation Mounting Plate for Optimal Load Transfer

Stainless steel installation plates provide optimal load transfer, reducing the number of screws required for mounting the system's frame. Each installation plate is backed with a sealing cushion to avoid bridging the thermal break and spreads the load of the screw head over a larger surface area resulting in fewer fixing points needed. These plates create a clean, finished look. Multipurpose inserts installed on the side jamb and head track cover these installation plates and provide a continuous surface.

Handle Options

Stainless Steel Cranked Handles with Thumb Turn

Stainless steel cranked handles designed for additional thumb turn locking along with escutcheon plates are available either in a brushed satin or black titanium finish.

Stainless Steel Two-Point Locking Handles

Stainless steel two-point locking handles are brushed satin or black titanium finish. A key cylinder option is also available for keyed locking on the outside.

Flush Push

A flush installed pull is available in brushed satin and black titanium finish is available for optional exterior operation.

System Sizes and Configurations

Maximum panel sizes for double or triple-glazed systems can reach heights of 10' 2" (3100 mm) and panel widths up to 6' 6" (1980 mm). The maximum panel weight is 880 lbs. (400 kg).

Configuration options are available with up to three tracks and six panels. For completely unobstructed openings, pocketing solutions are possible.

Divided Lites

NW MultiSlide 630 offers the panel customization option of horizontal mullions and simulated divided lites in the pattern of your choice to match various architectural design styles.

Finishes

NW MultiSlide 630 is available in 50 standard powder coat colors in standard AAMA 2604 (2605 optional) and over another 200 optional colors available in powder coat and anodized finishes. Custom-matched colors and simulated wood effects are also available. For accurate color swatch examples, please request our Powder Coating Finish Options brochure.

For a classic look, SE (Steel Effect) colors are also available.

Screens

A screen accessory option is available by others to complement the system.



Testing Results | NW MultiSlide 630

Maximum Unit Panel Width: 6' 6" (1980 mm)
 Maximum Unit Panel Height: 10' 2" (3100 mm)
 Maximum Unit Panel Weight: 880 lbs. (400 kg)

TYPE OF TEST	LOW PROFILE SADDLE SILL AND FLUSH SILL ①
 <p>Air Infiltration/Exfiltration (ASTM E283)</p>	<p>@ 1.57 psf 0.14/0.13 cfm/ft² A2 ②</p>
 <p>Water Penetration * (ASTM E547 and E331)</p>	<p>@ 5.43 psf (260 Pa)</p>
 <p>Structural Load Deflection (ASTM E330)</p> <p><i>Note that the structural test pressures were 50% higher than the design pressures shown. (See design windload charts)</i></p>	<p>+/-50 psf (2400 Pa) Class LC - PG50</p> <p>Uniform Load Deflection, L/175 +/-30 psf (1440 Pa) Class CW - PG30</p>
 <p>Forced Entry Resistance (ASTM F842)</p>	<p>Type: A - Grade: 25 pass</p>
 <p>Operating Force (ASTM E2068)</p>	<p>Initiate Motion: 10.3 lbf (47 N) Maintain Motion: 7.6 lbf (33 N)</p>
 <p>Cycle Testing (per DIN EN 1191/12400)</p>	<p>40,000 cycles</p>

① Excerpts of results specific or equivalent to lab tested by Intertek Building & Construction, an independent testing laboratory per AAMA/WDMA/CSA 101/I.S.2/A440-22, North American Fenestration Standard/Specification for Windows, Doors, and Skylights; unit size tested: 8' 11" x 8' 6" (2710 mm x 2600 mm) 2 panel unit.

② For Canada, tested to CSA A440S1-17, Canadian Supplement to AAMA/WDMA/CSA/I.S.2/A440; NAFC/Specification for Windows, Doors, and Skylights.

* Water rating may not be applicable for configuration not tested.



Thermal Performance

NW MultiSlide 630 ^③ - Rated, certified, and labeled in accordance with NFRC 100 + 200

TYPE OF GLASS (1 LITE) ^④	CENTER OF GLASS U-FACTOR	UNIT U-FACTOR	SHGC ^⑤	VT ^⑥	2015 ENERGY STAR
Double IG Clear (air filled)	.48	.53	.46	.58	-
Double IG Standard Low E (argon filled)	.25	.37	.22	.51	-
Double IG Standard Low E (air filled)	.30	.40	.23	.51	-
Triple IG Low E x 2 (argon filled)	.12	.26	.19	.40	*
Triple IG Low E x 2 (air filled)	.15	.28	.19	.40	*
Double IG Alternate Higher SHGC Low E (argon filled)	.25	.37	.30	.52	-
Double IG Alternate Higher SHGC Low E (air filled)	.29	.42	.31	.52	-

NOTES

③ U-Factor, SHGC, & VT for NW MultiSlide 630 system unhinged panels will be about the same except in some cases variations of +/- .01 from what is shown.


④ NFRC simulated U-factors of units with a horizontal mullion will have values of about .01 to .02 higher than units with no horizontal mullion. Please contact NanaWall for details.

⑤ SHGC = Solar Heat Gain Coefficient
⑥ VT = Visible Transmittance

* 2015 Energy Star Qualification Criteria: U-Factor for doors in all climate zones \leq .30, SHGC \leq .25 in South/South Central zones, and \leq .40 in North/North Central zones. (For guidance only. NanaWall is not a participant of the Energy Star program.)

Shown above are thermal values for select glass options only. Thermal values for many other glass options are available. These may be able to meet specific requirements, such as Energy Star values for other zones, CA Title 24 prescriptive values, other state and local energy codes, etc. Thermal values for glass with other Low E coatings and Suntuitive dynamic glass are available. Please contact NanaWall for more information.

NW MultSlide 630

TYPE OF TEST	RESULTS
 <p>Acoustical Performance ^①</p>	STC (Rw) 36 and OITC 30 achieved with STC 33 glass (1 1/8" (28 mm) double IGU, 6 mm annealed + 6 mm annealed)
	STC (Rw) 38 and OITC 31 achieved with STC 39 glass (1 3/16" (30 mm) double IGU, 6 mm annealed + 8 mm laminated)
	STC (Rw) 43 and OITC 36 achieved with STC 51 glass (1 1/2" (38 mm) double IGU, 12 mm enhanced laminated + 10 mm enhanced laminated)

① Excerpts of results of a two panel unit 8' 10 5/16" x 7' 2 5/8" (2700 mm x 2200 mm) with partially recessed head track and side jambs tested in October 2024 by SG Bauakustik, Muelheim an der Ruhr, Germany, an EN DIN ISO accredited and certified independent testing laboratory.

Check www.NanaWall.com for the latest updates.

Acoustical Performance Interpolation with Other Glazing Options

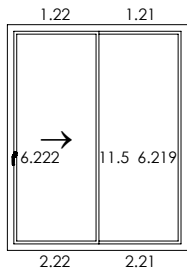
TYPE OF GLASS	GLASS ONLY STC	LOW PROFILE SADDLE SILL FLUSH SILL	
		COMPLETE SYSTEM STC (Rw)	MAXIMUM UNIT HEIGHT POSSIBLE (*)
1 1/8" (28 mm) double IGU, 6 mm tempered + 6 mm tempered	33	36	10' 2" (3100 mm)
1 1/8" (28 mm) double IGU, 6 mm laminated + 6 mm laminated	40	38	10' 2" (3100 mm)
1 7/16" (36 mm) double IGU, 6 mm enhanced laminated + 6 mm enhanced laminated	45	40	10' 2" (3100 mm)
1 5/8" (42 mm) double IGU, 8 mm enhanced laminated + 8 mm enhanced laminated	47	41	10' 2" (3100 mm)
1 9/16" (40 mm) double IGU, 10 mm enhanced laminated + 8 mm enhanced laminated	48	42	10' 2" (3100 mm)

NOTES

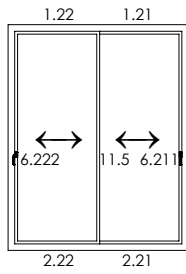
(*) can vary, dependent on weight of the glass

Contact NanaWall for other glass types.

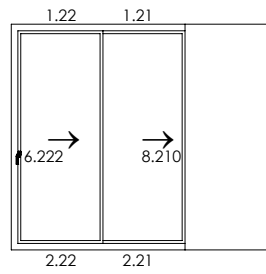
- O Fixed
- X Sliding
- P Pocket



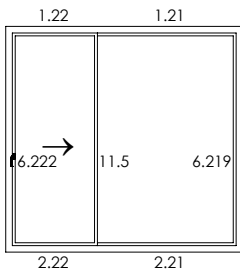
XO



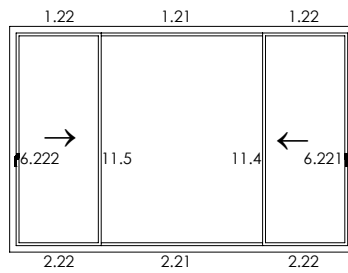
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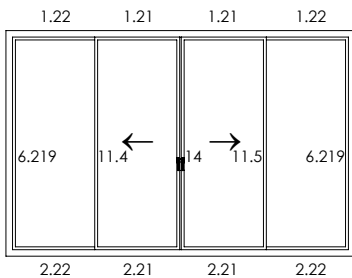
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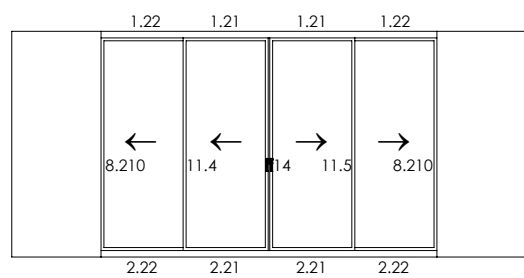
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XOX

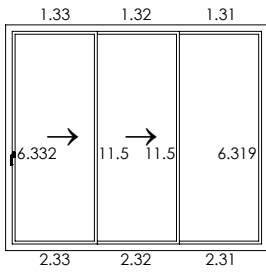


OX XO

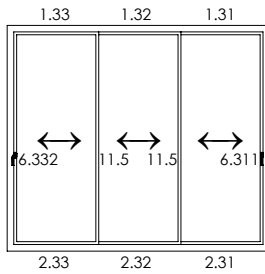


PXX XXP

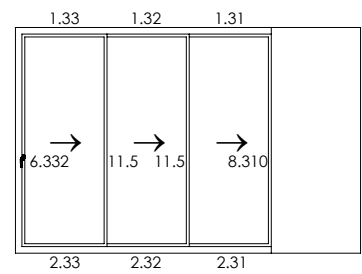
- O Fixed
- X Sliding
- P Pocket



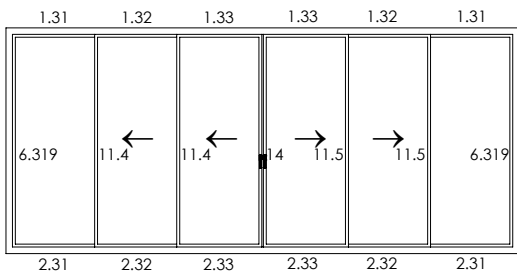
XXO



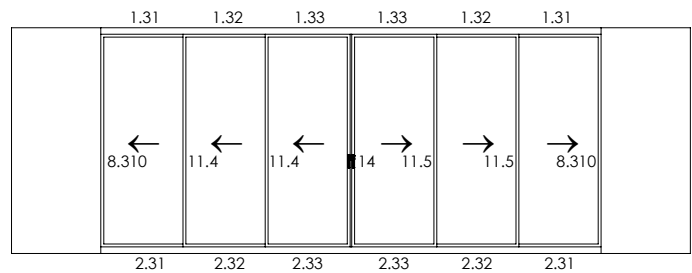
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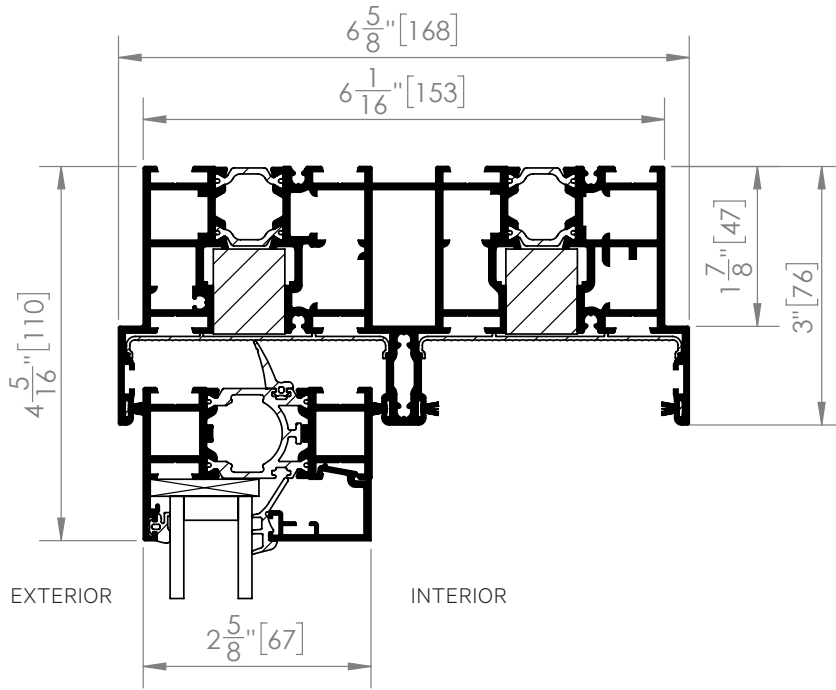
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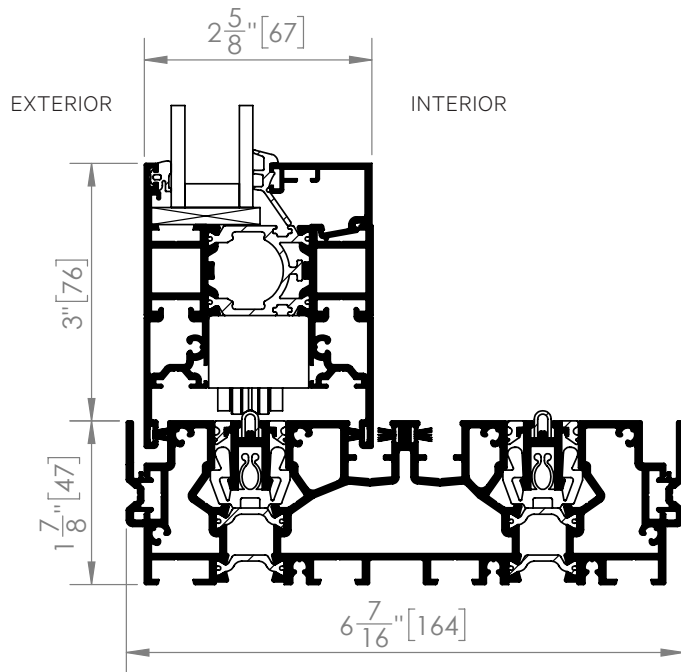
OXX XXO



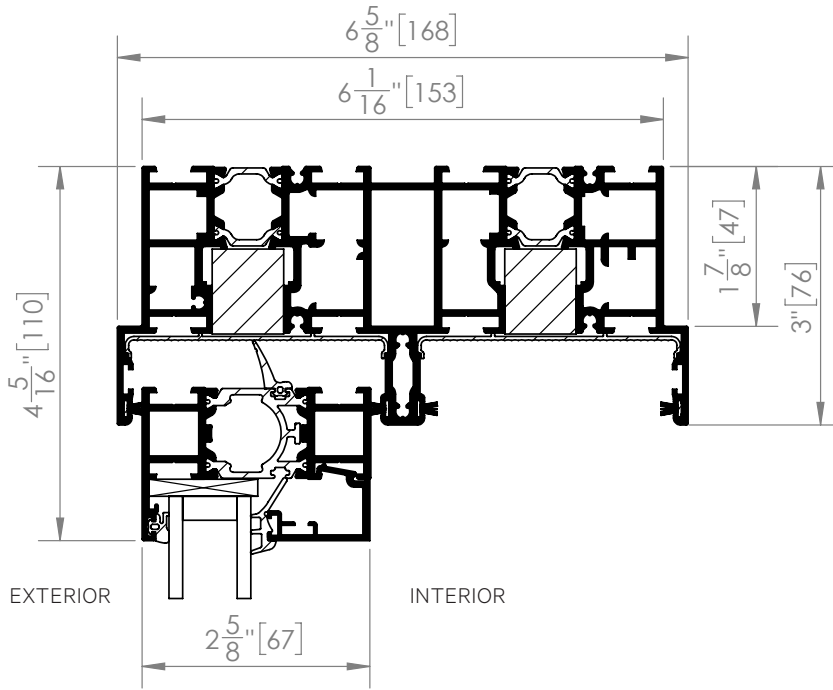
PXXX XXXP



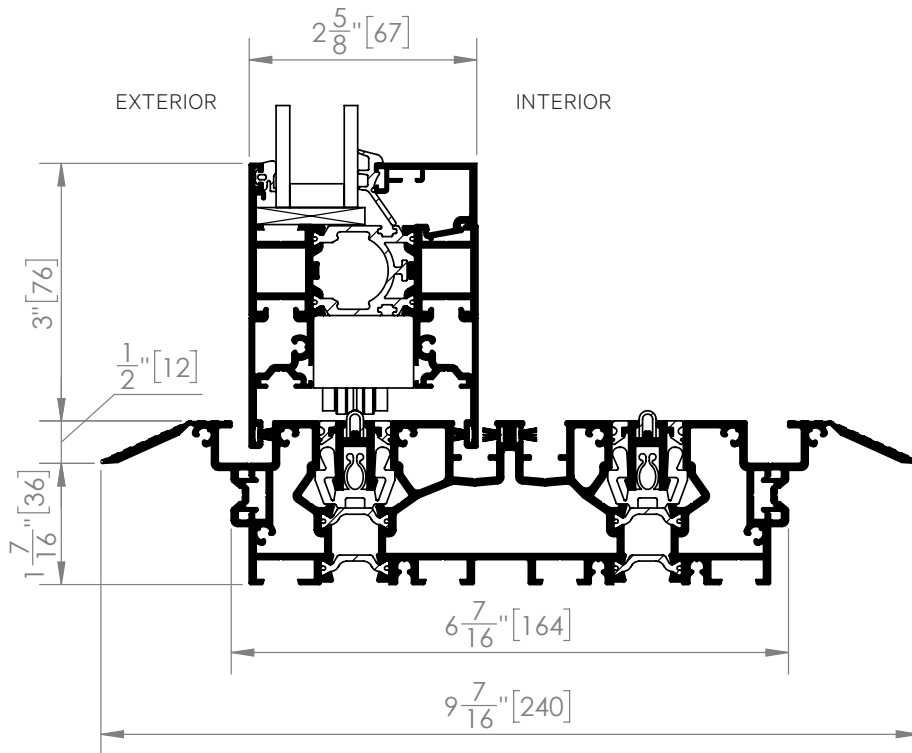
Detail 1.21
Head Track



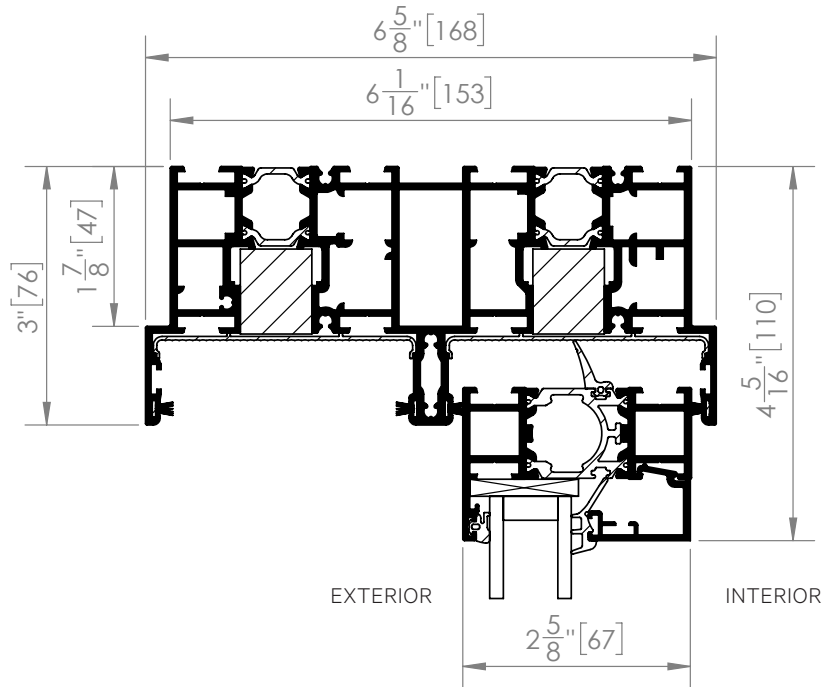
Detail 2.21
Flush Sill



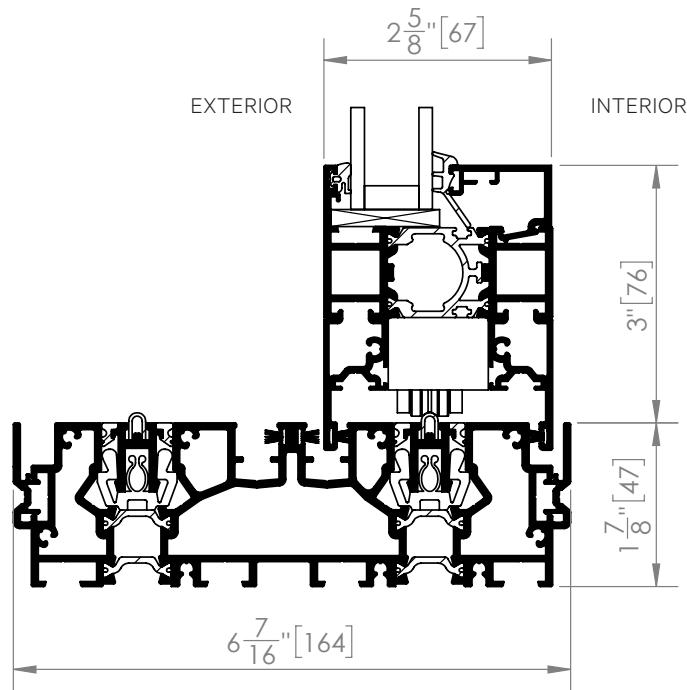
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Head Track



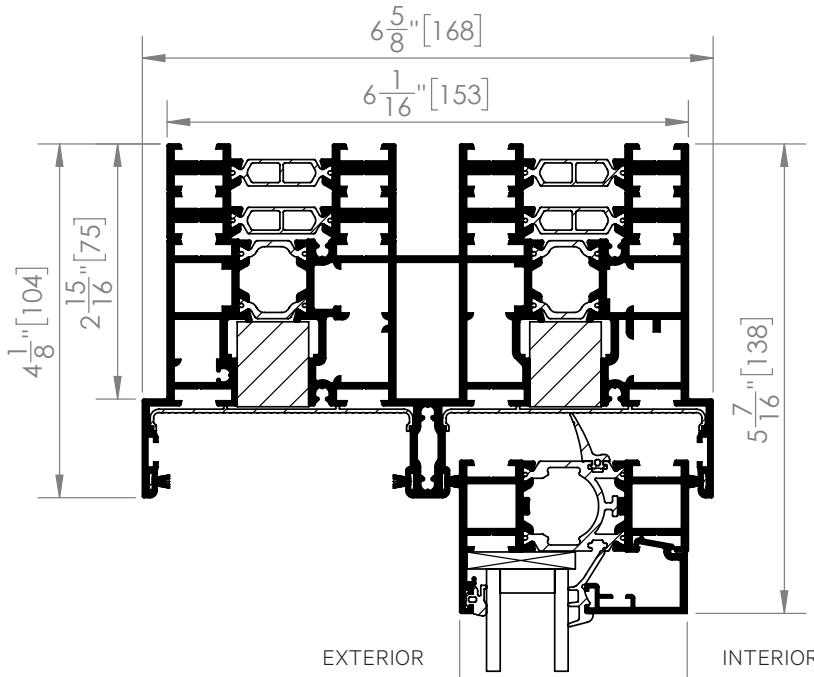
Detail 2.21
Low Profile Saddle Sill



Detail 1.22
Head Track

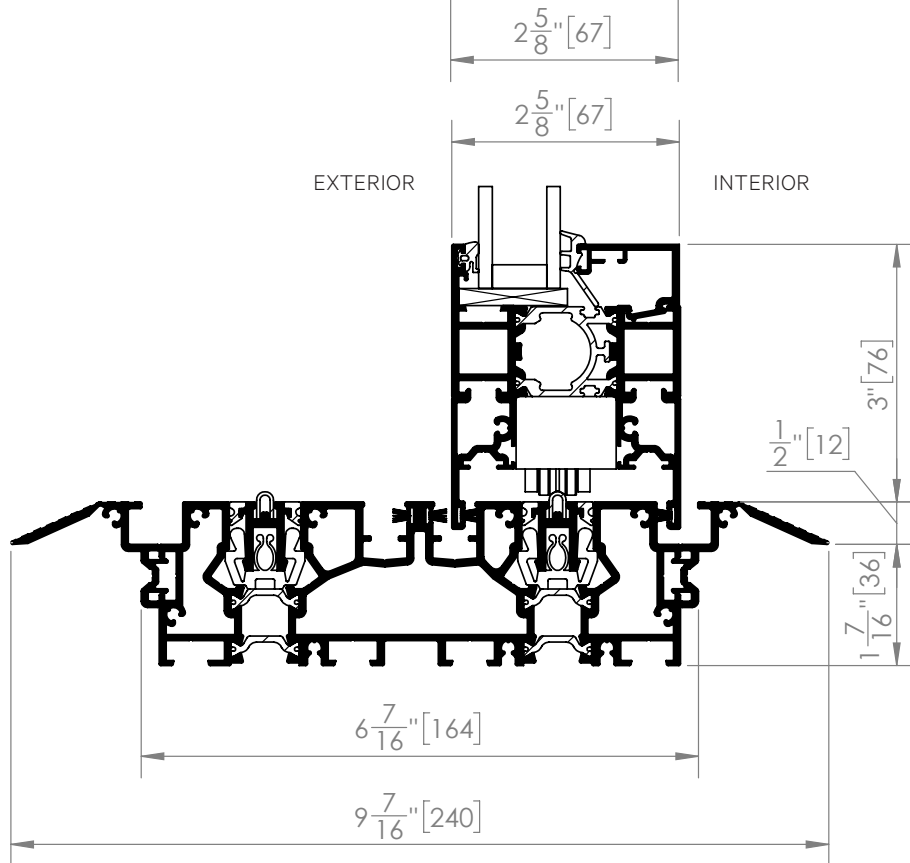


Detail 2.22
Flush Sill

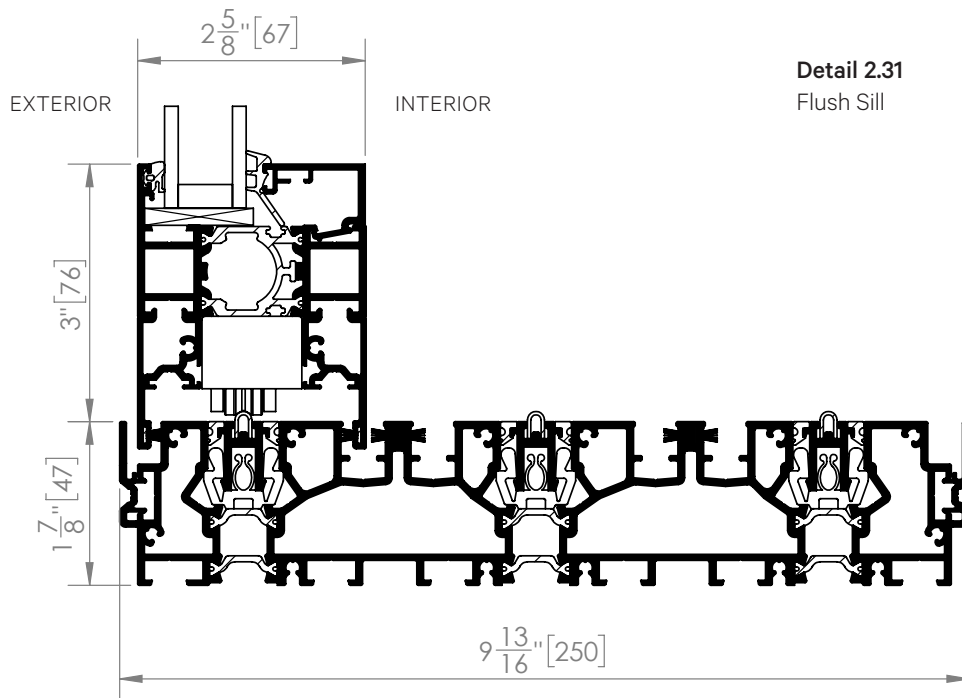
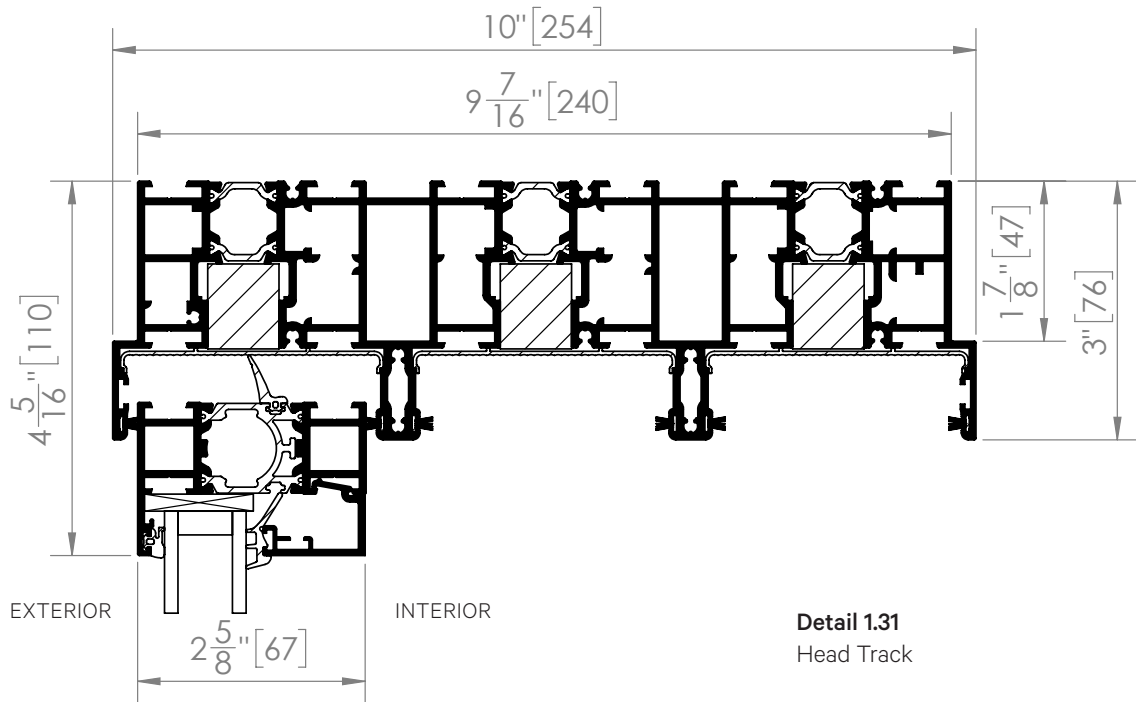


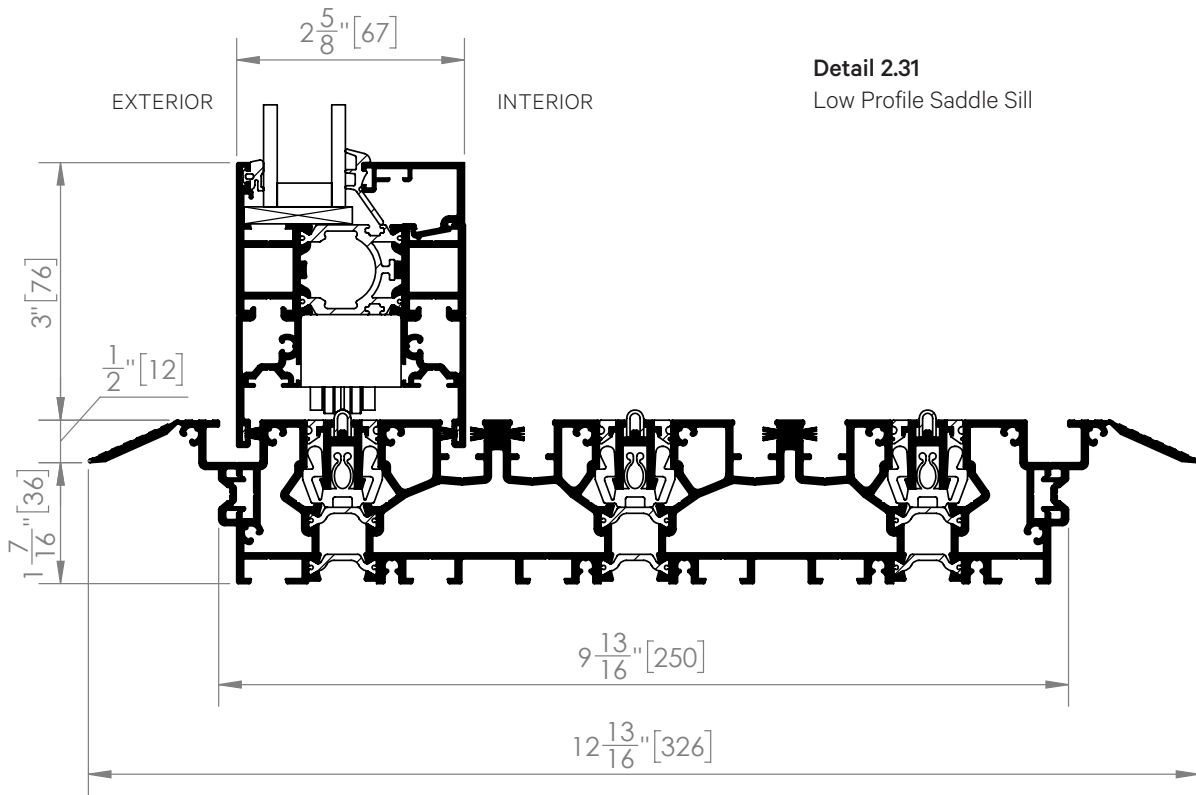
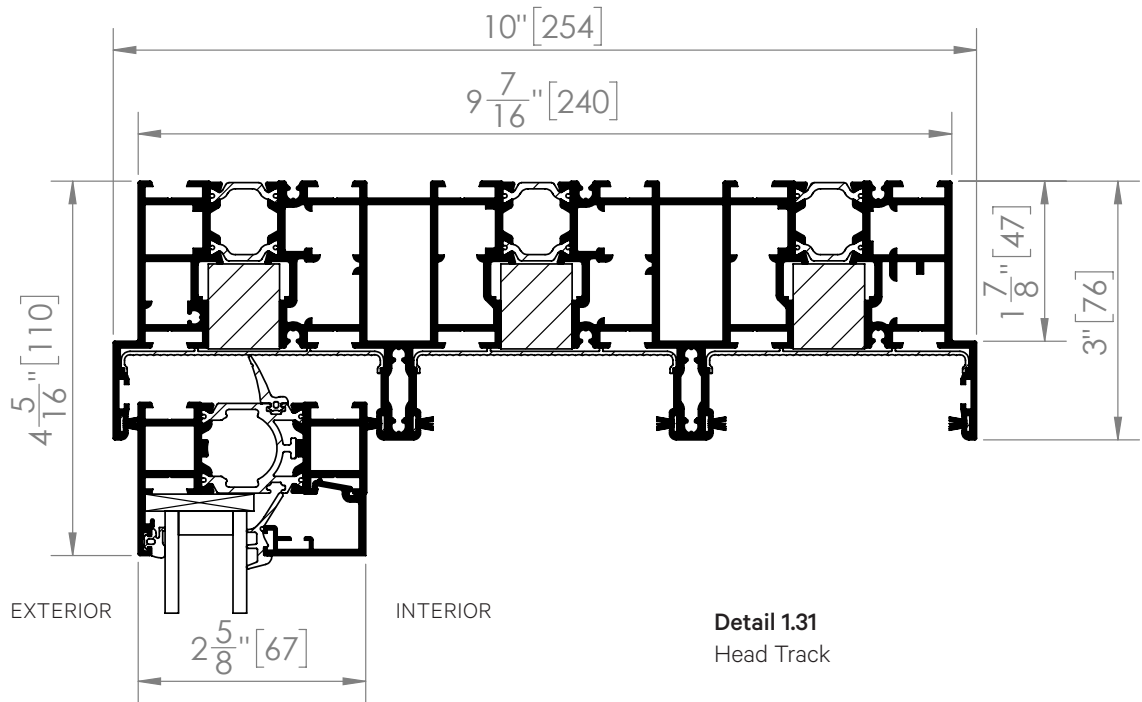
Detail 1.22 (H)
Higher Head Track

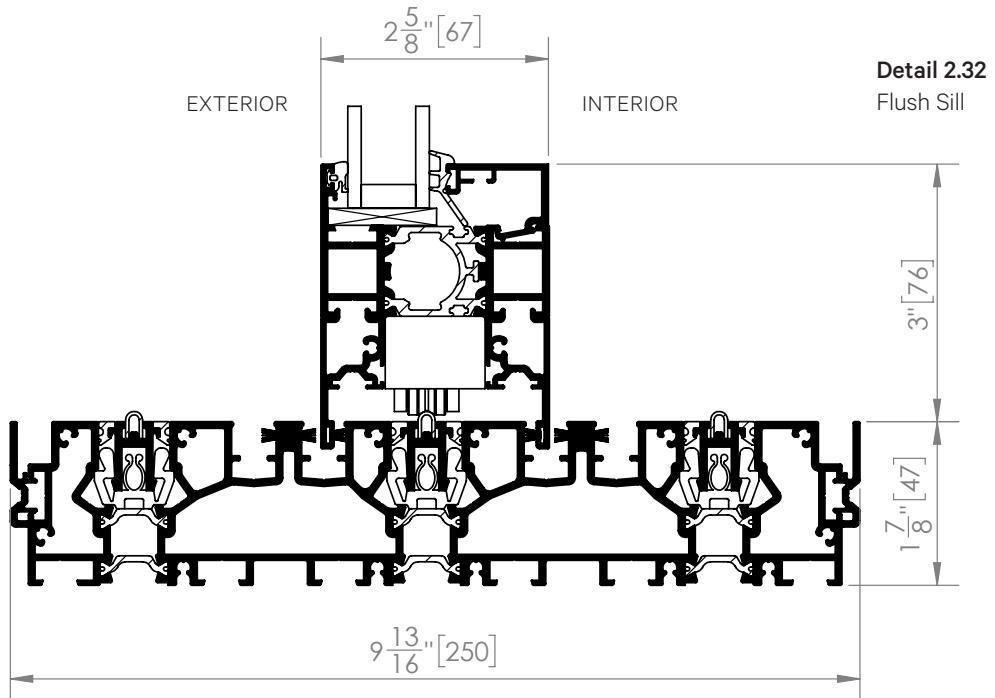
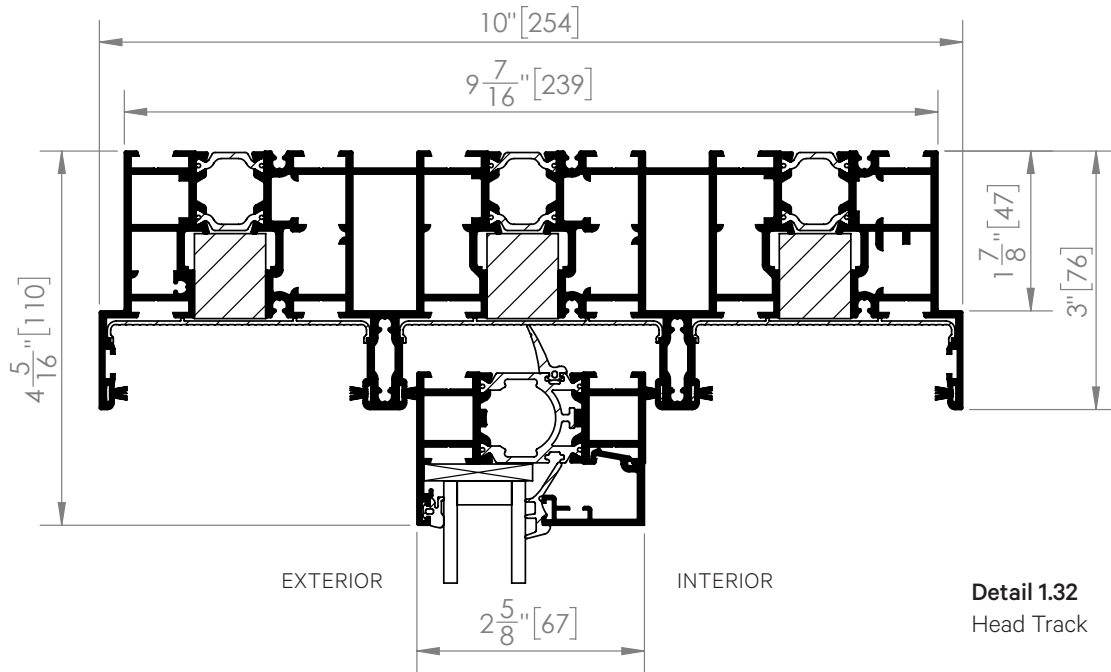
(To match L/R FourFold and SixFold panel sets of the NW Aluminum 640)

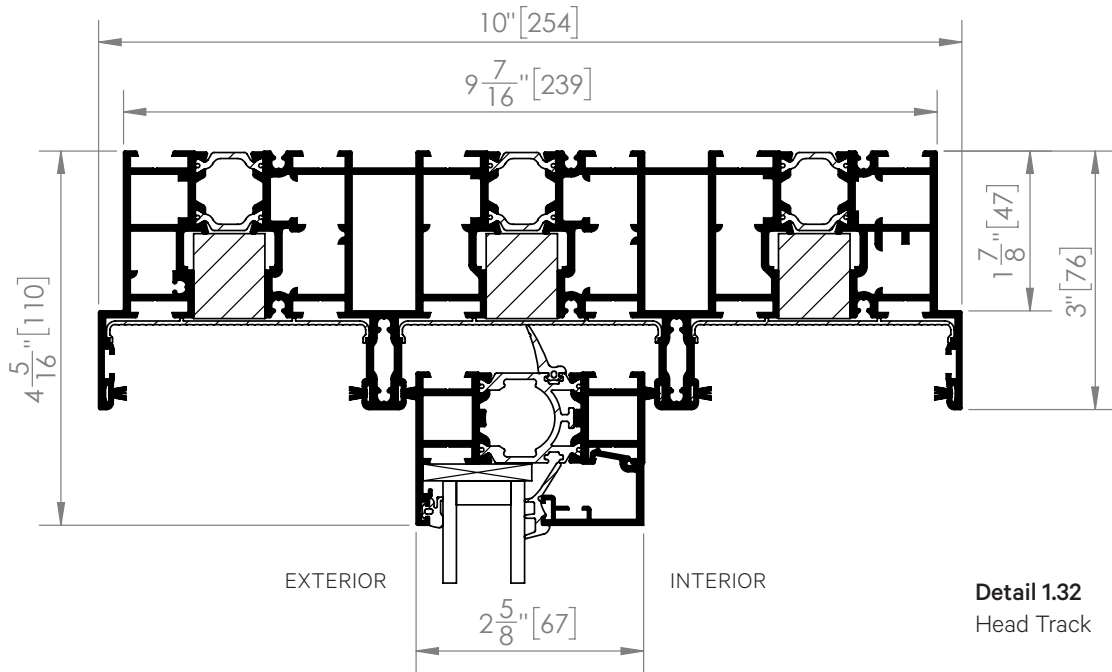


Detail 2.22
Low Profile Saddle Sill

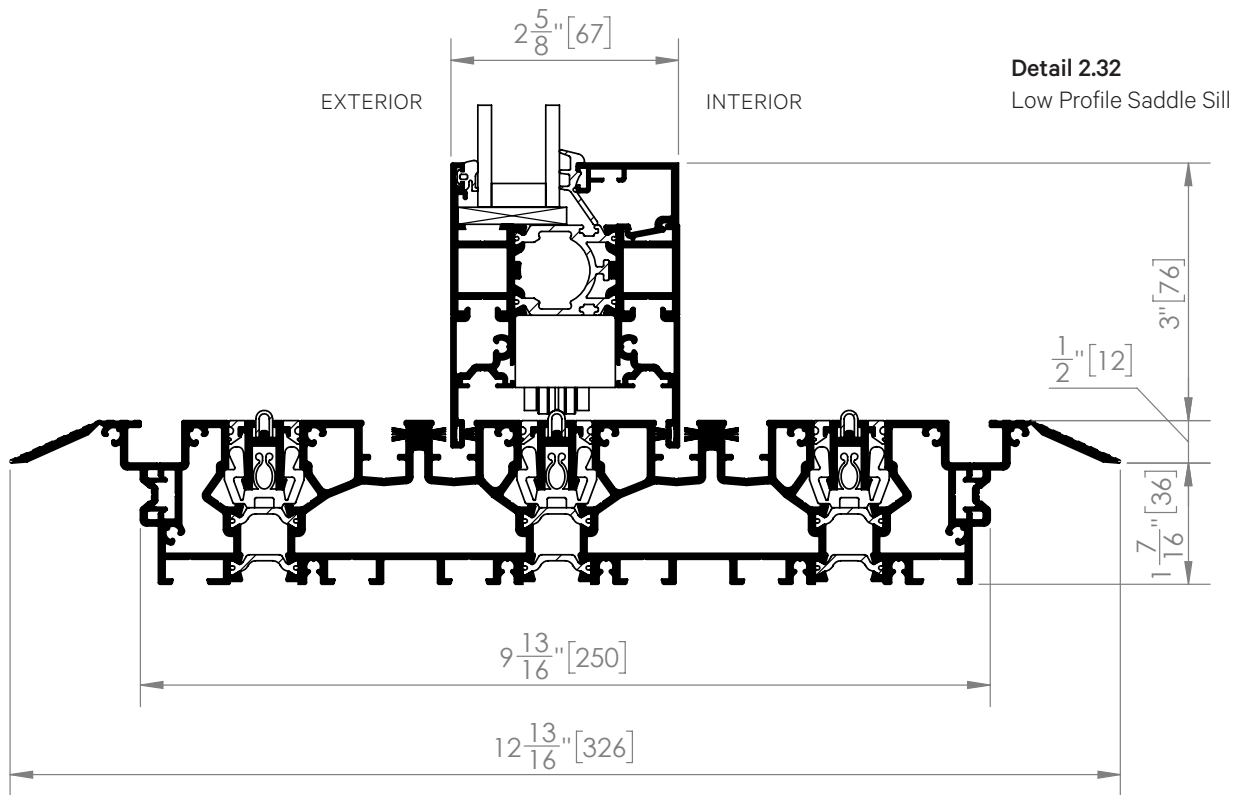




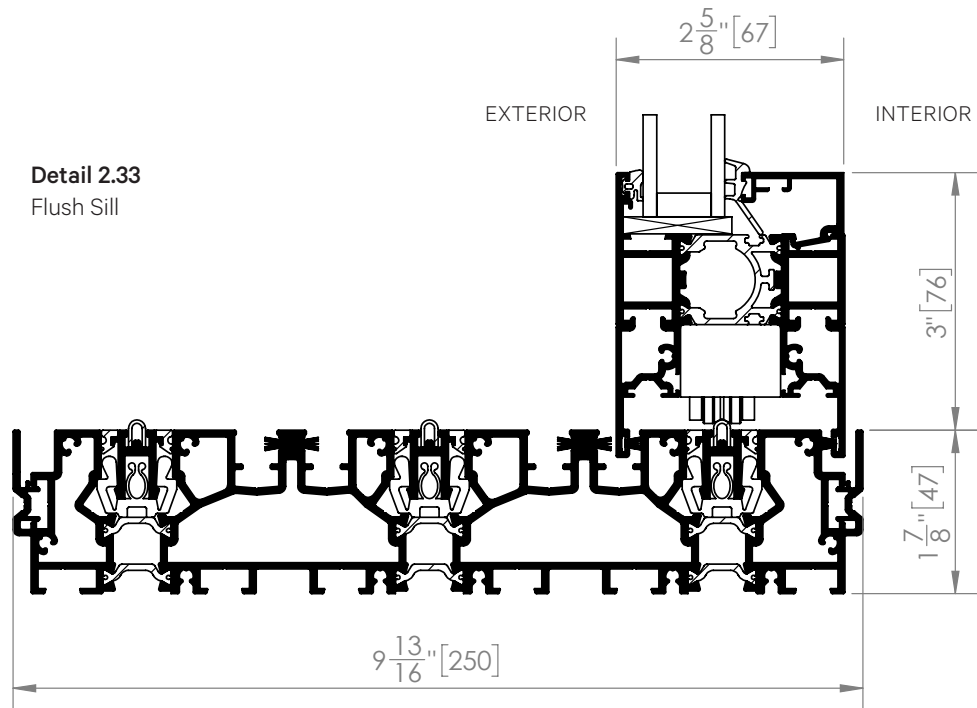
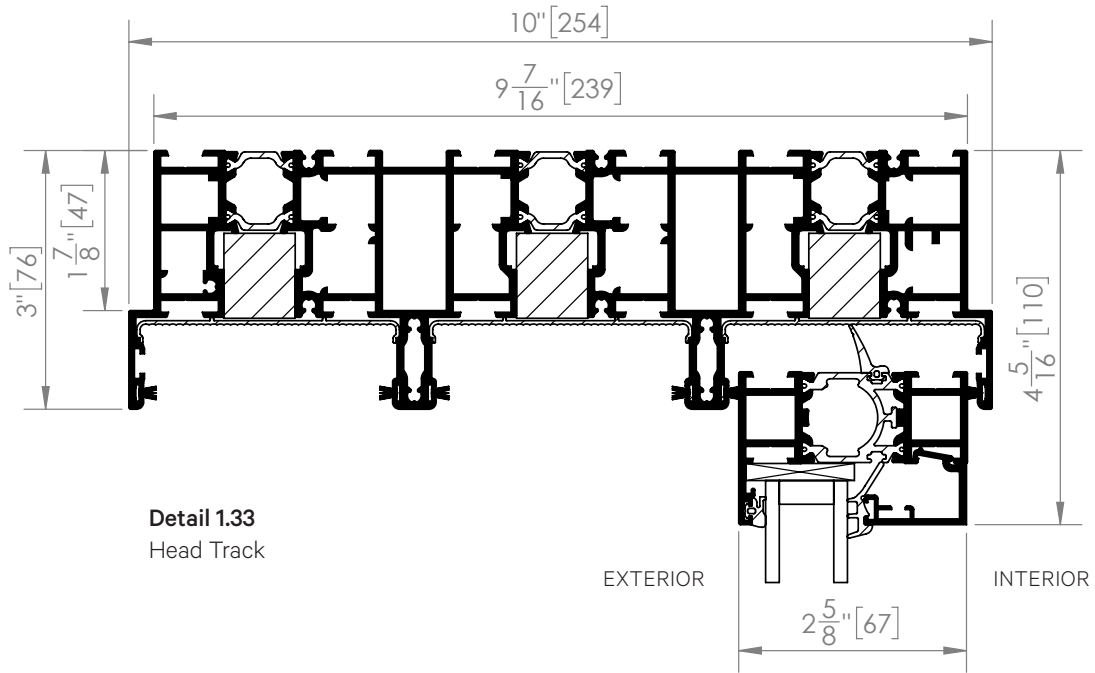


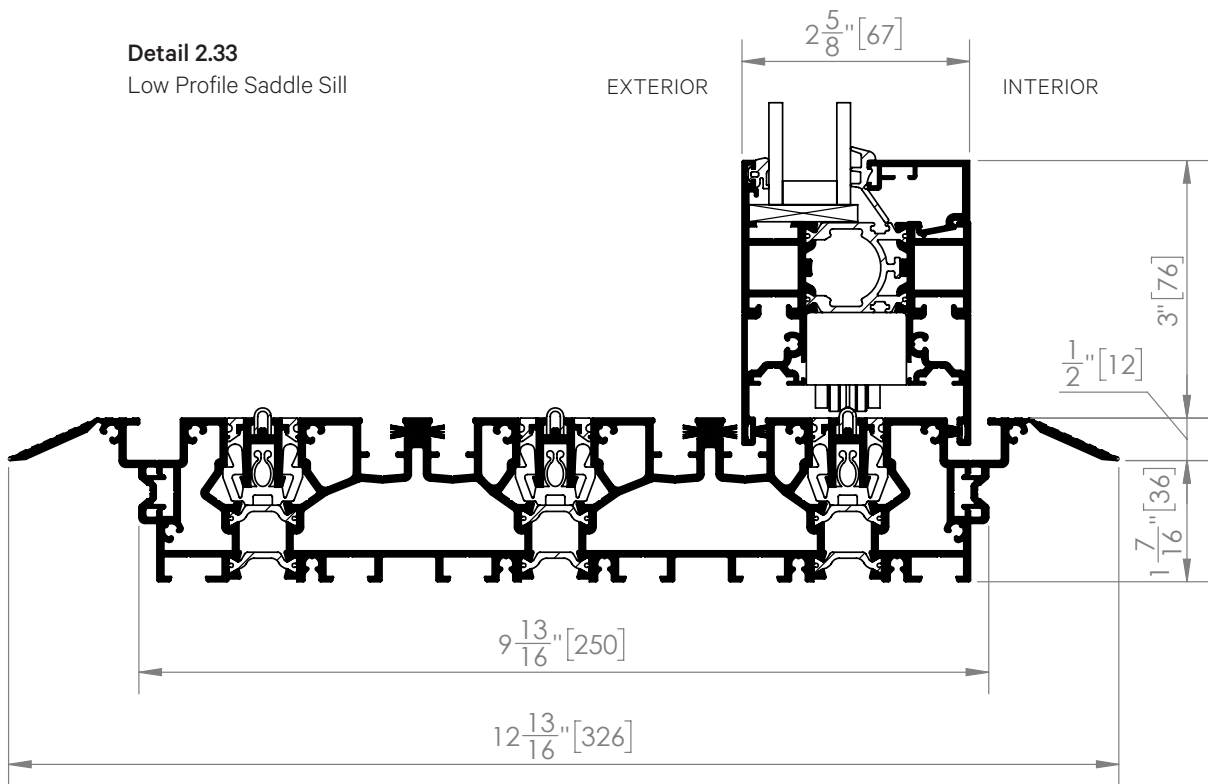
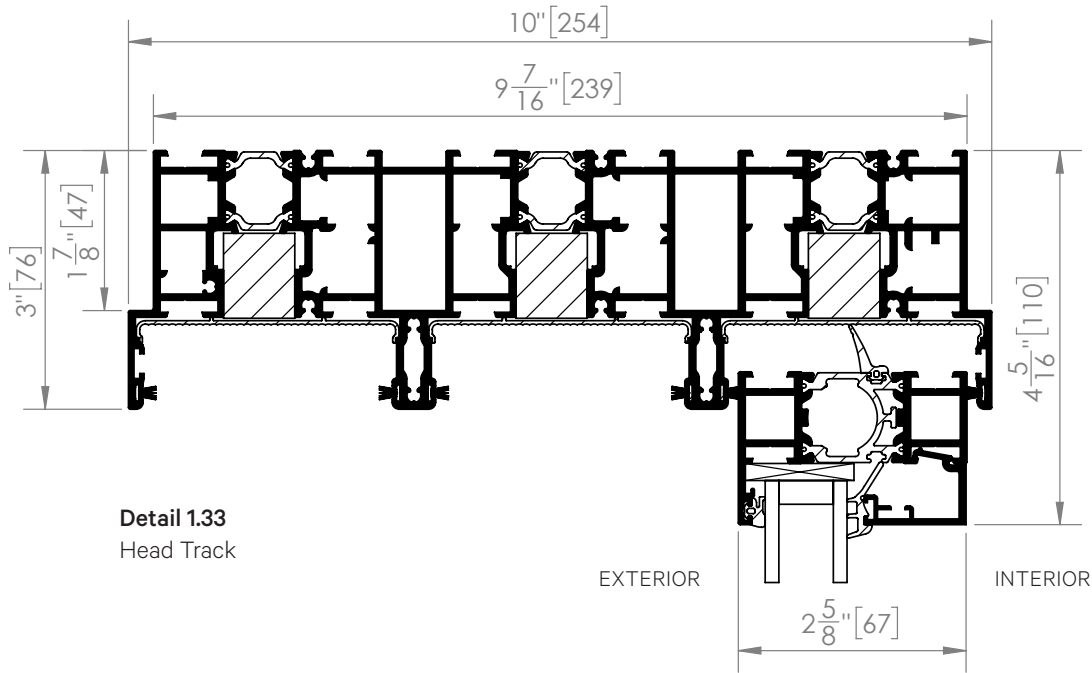


Detail 1.32
Head Track

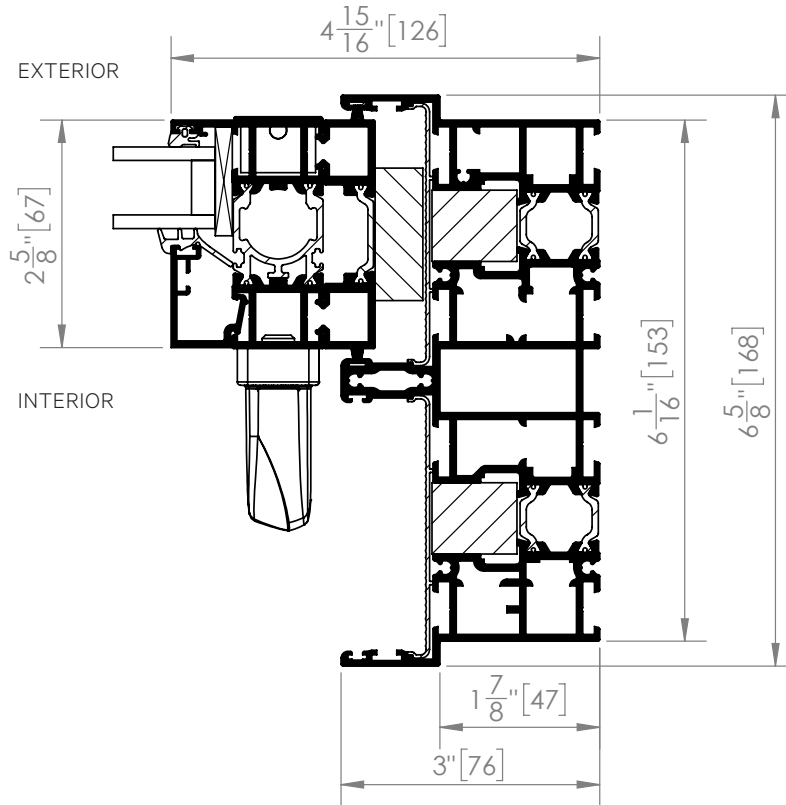


Detail 2.32
Low Profile Saddle Sill

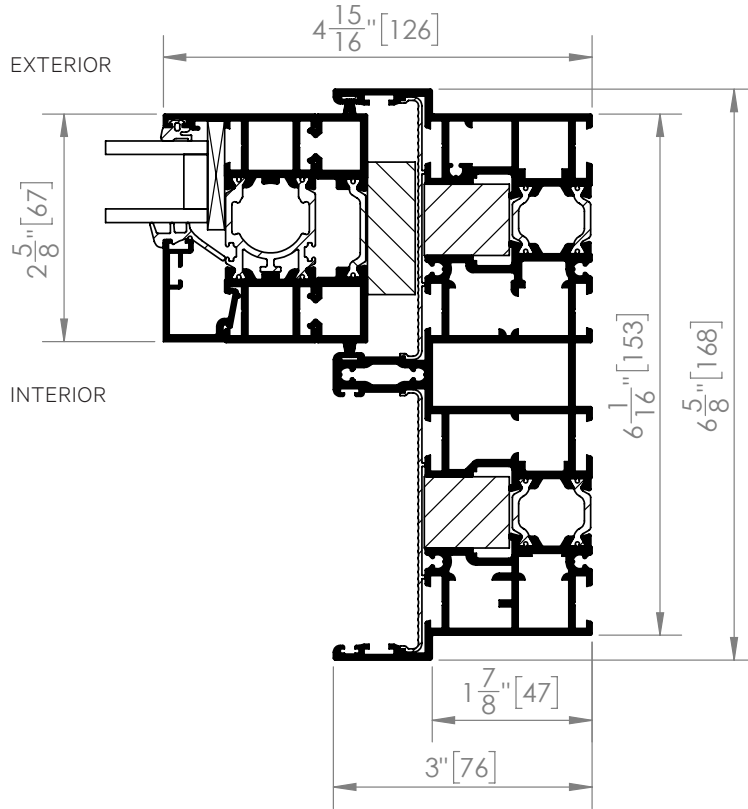




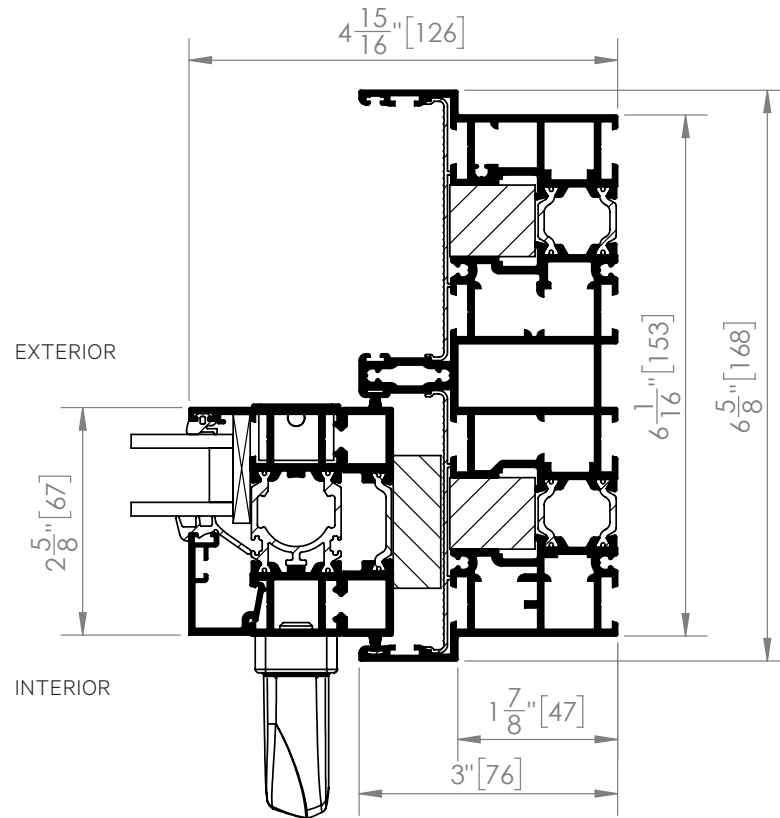
Detail 6.211
 Side Jamb with Sliding Panel and Two-Point
 Locking Handle Inside and Flush Pull Outside



Detail 6.219
Side Jamb with Fixed Panel

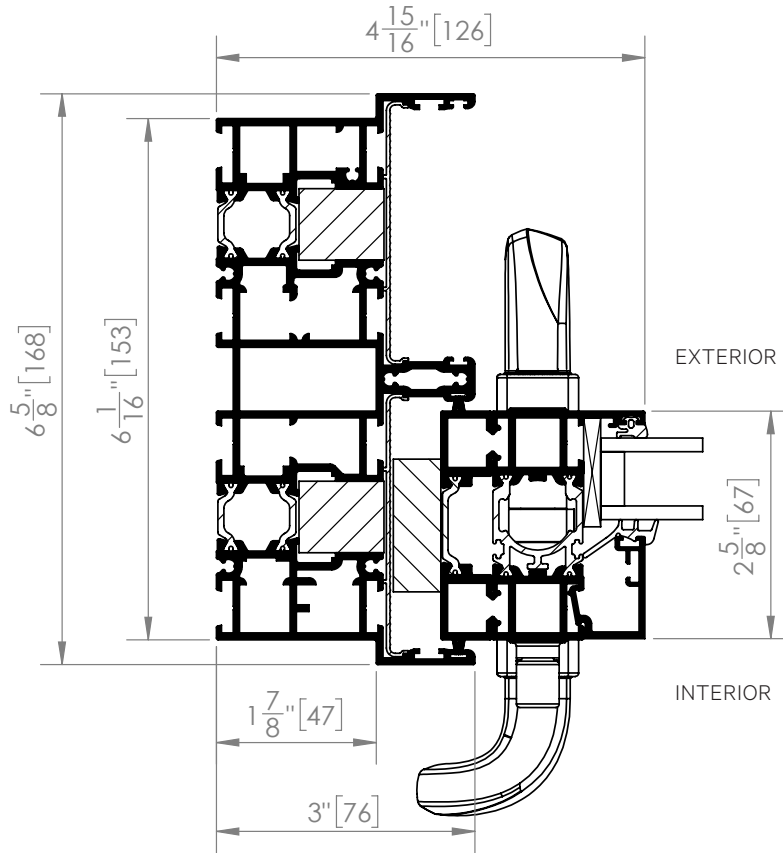


Detail 6.221
 Side Jamb with Sliding Panel and Two-Point
 Locking Handle Inside and Flush Pull Outside

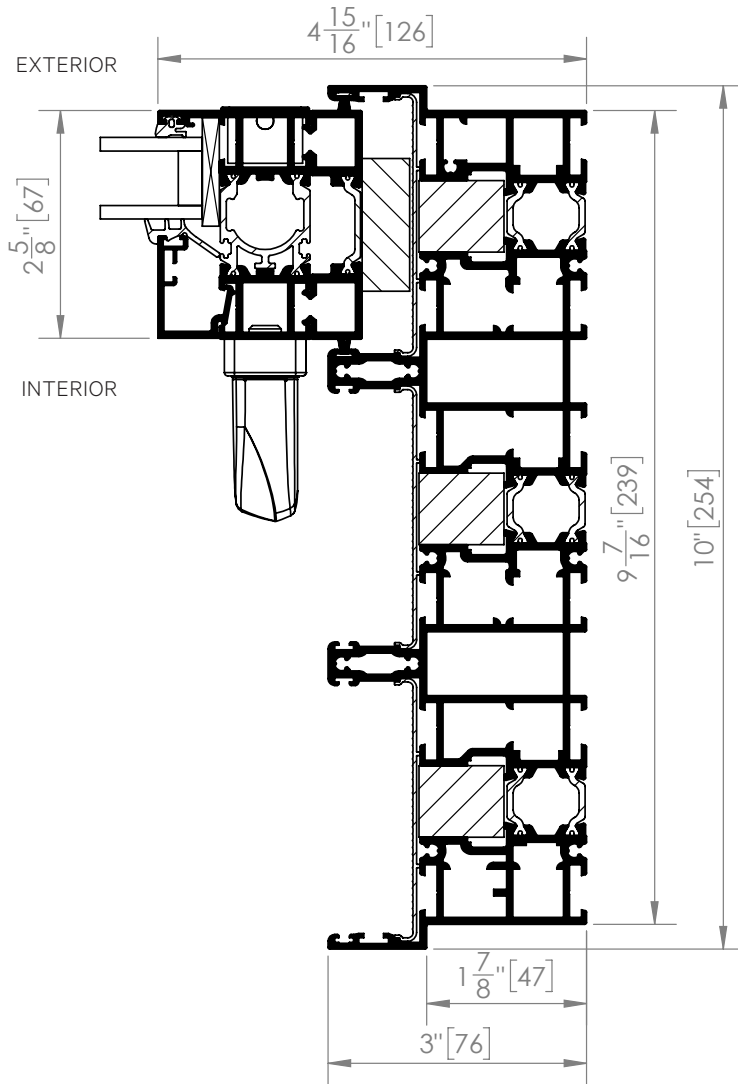


Detail 6.222

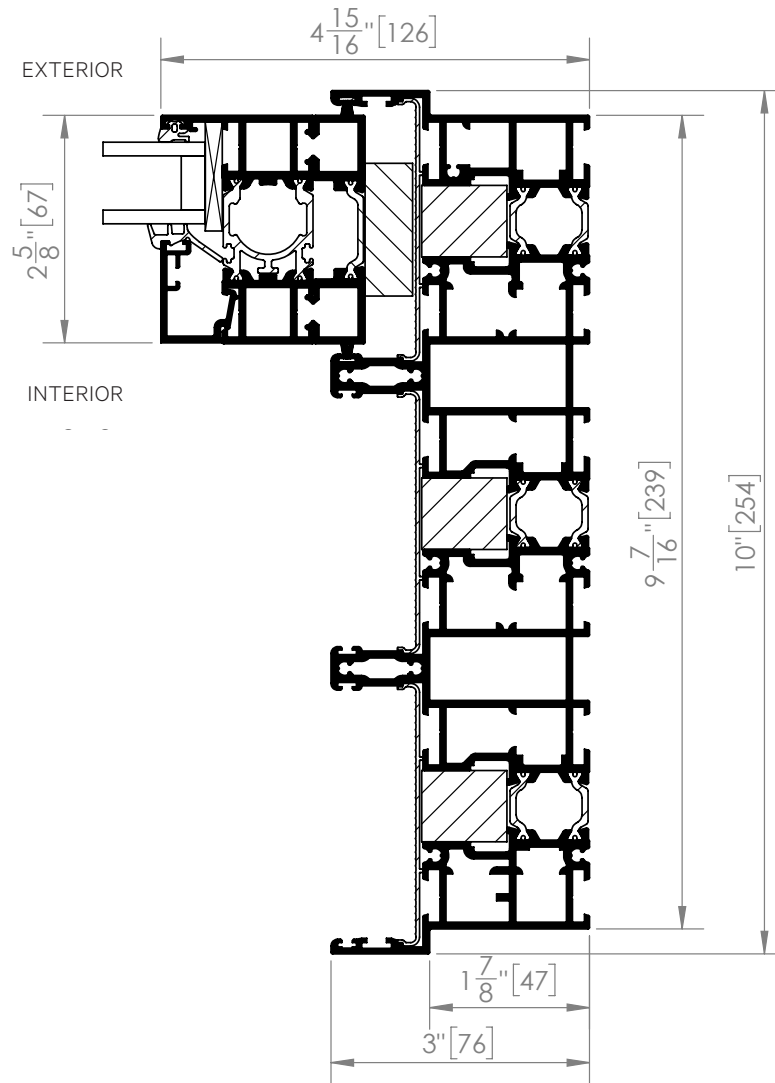
Side Jamb with Sliding Panel with Cranked Handle
 Inside and Two-Point Locking Handle Outside



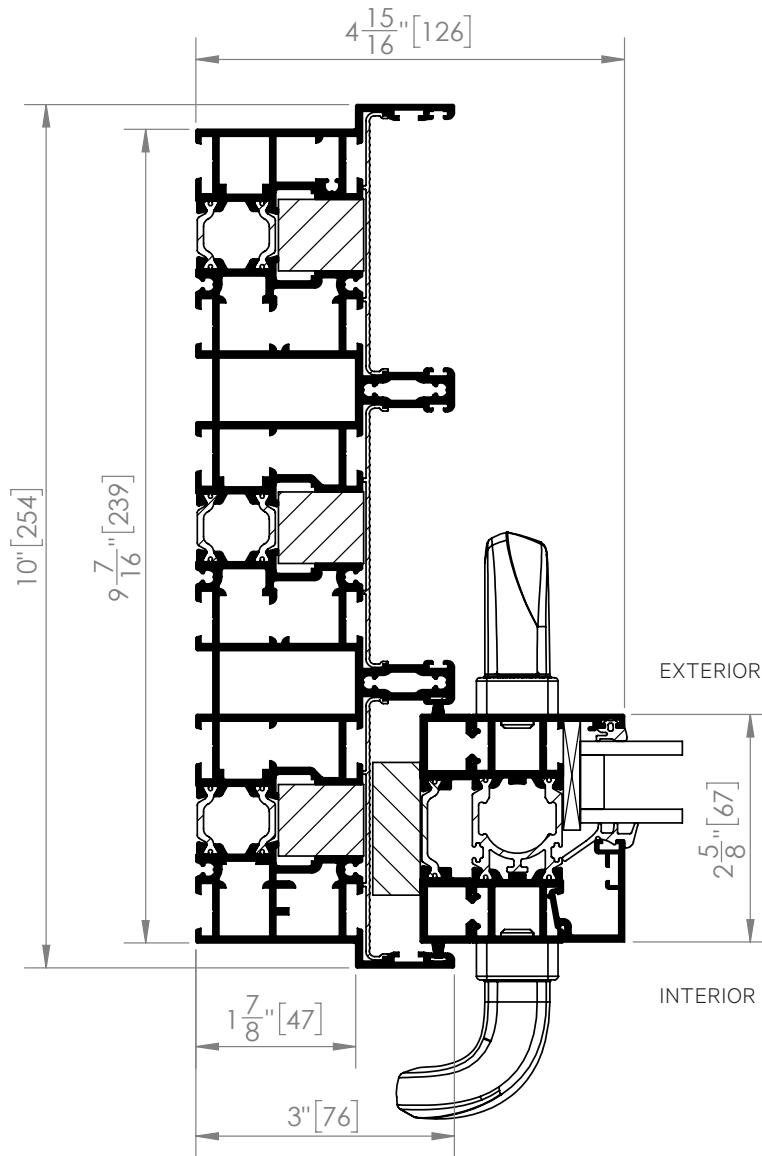
Detail 6.311
 Side Jamb with Sliding Panel and Two-Point
 Locking Handle Inside and Flush Pull Outside



Detail 6.319
Side Jamb with Fixed Panel

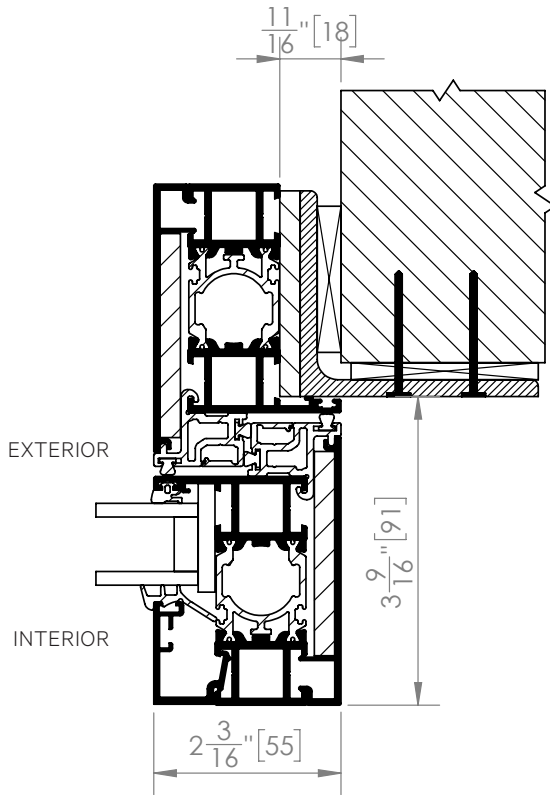


Detail 6.332
 Side Jamb with Sliding Panel with Cranked Handle
 Inside and Two-Point Locking Handle Outside

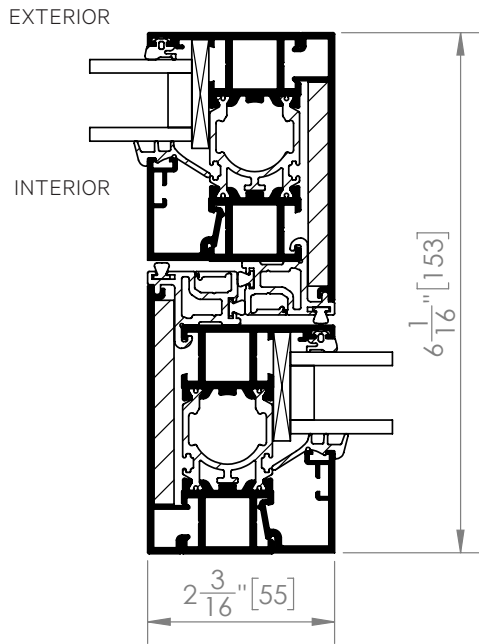


Detail 8.210 / 8.310

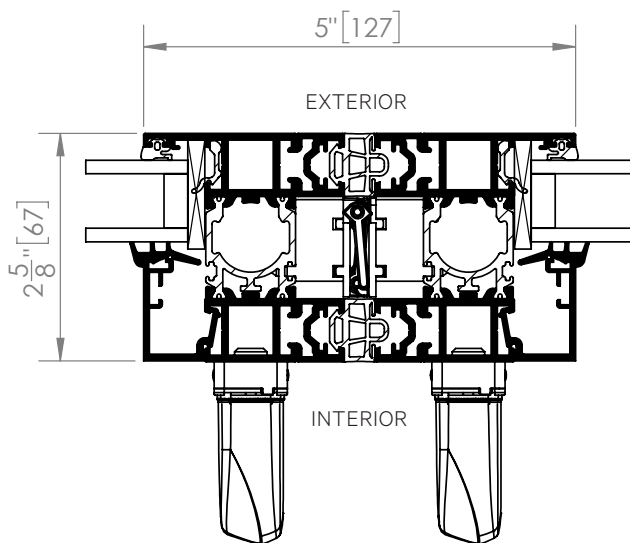
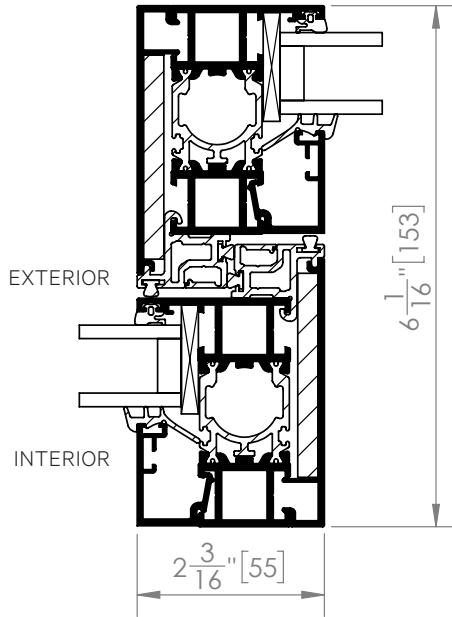
Pocket Interlock with Sliding Panel
and Multiple Tracks



Detail 11.4
Interlock of Sliding Panels

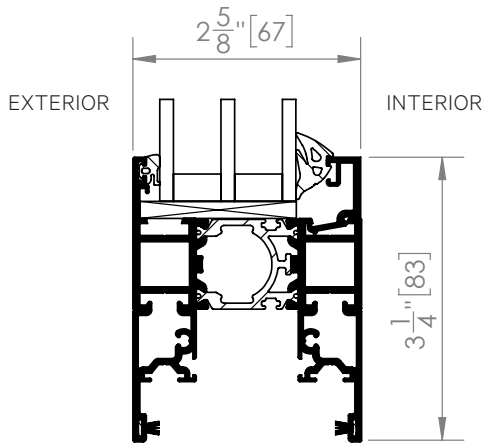


Detail 11.5
Interlock of Sliding Panels

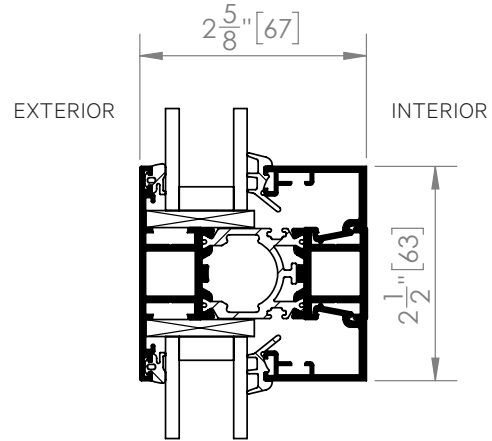


Detail 14
Two Sliding Panels Meeting in Middle

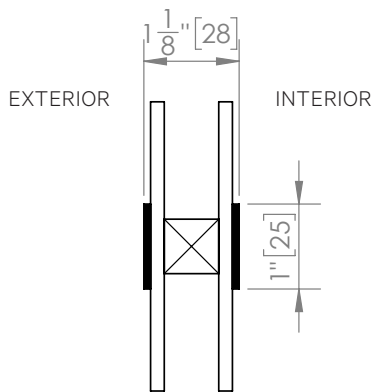
Typical Glass Stop Profile with Triple Glazing



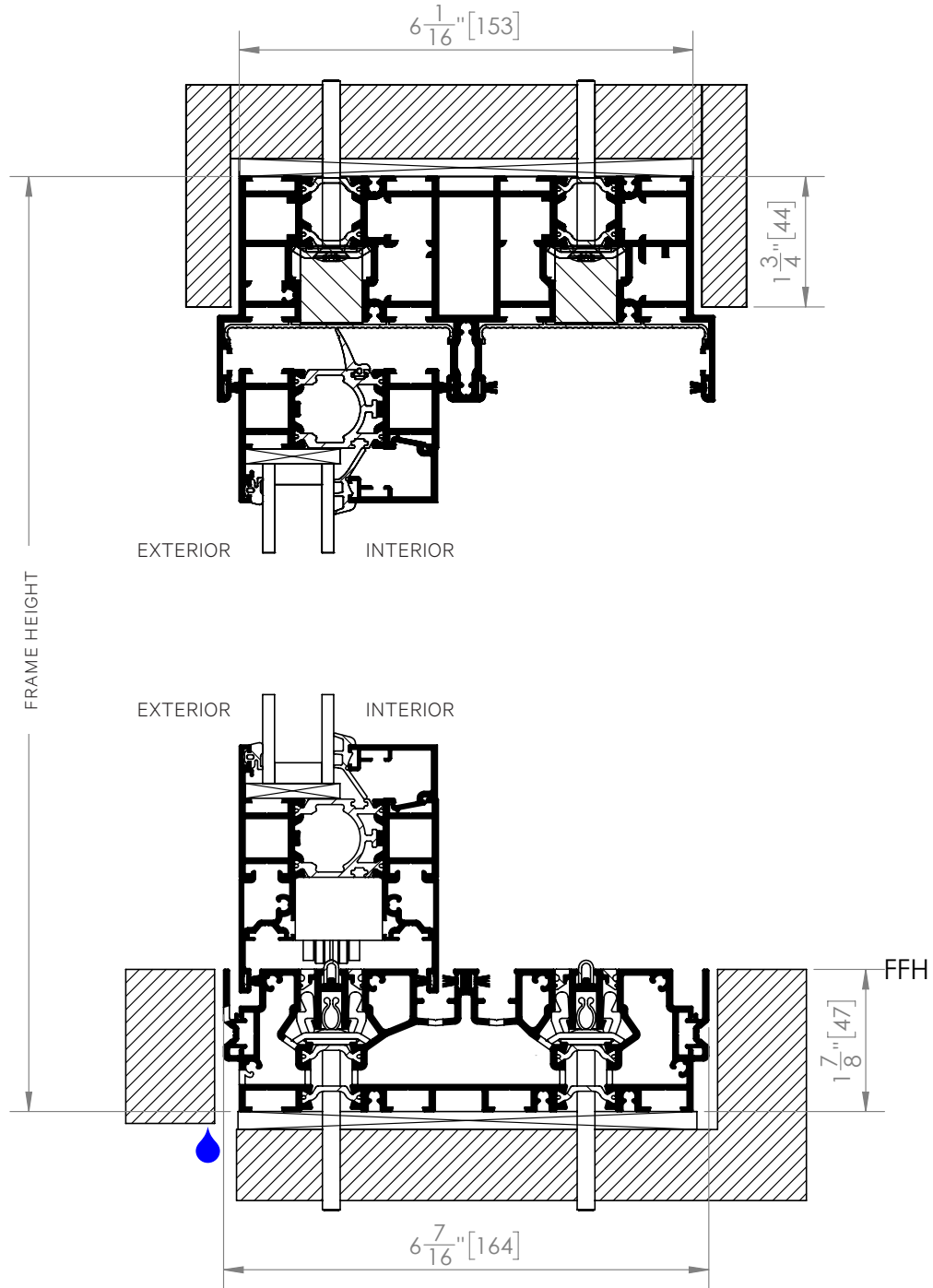
Typical Mullion Profile



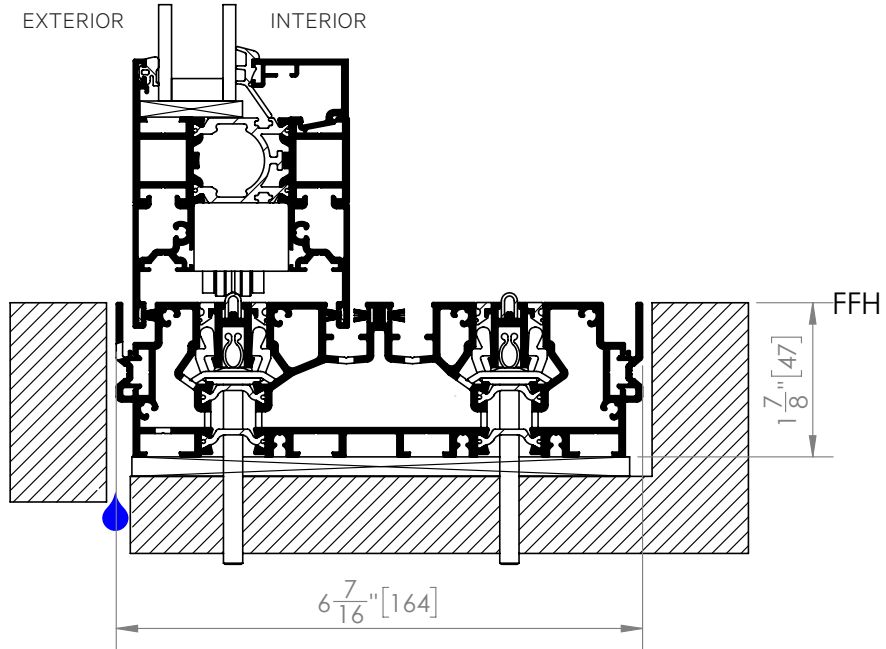
Typical Simulated Divided Lites Muntin with Spacer Bar



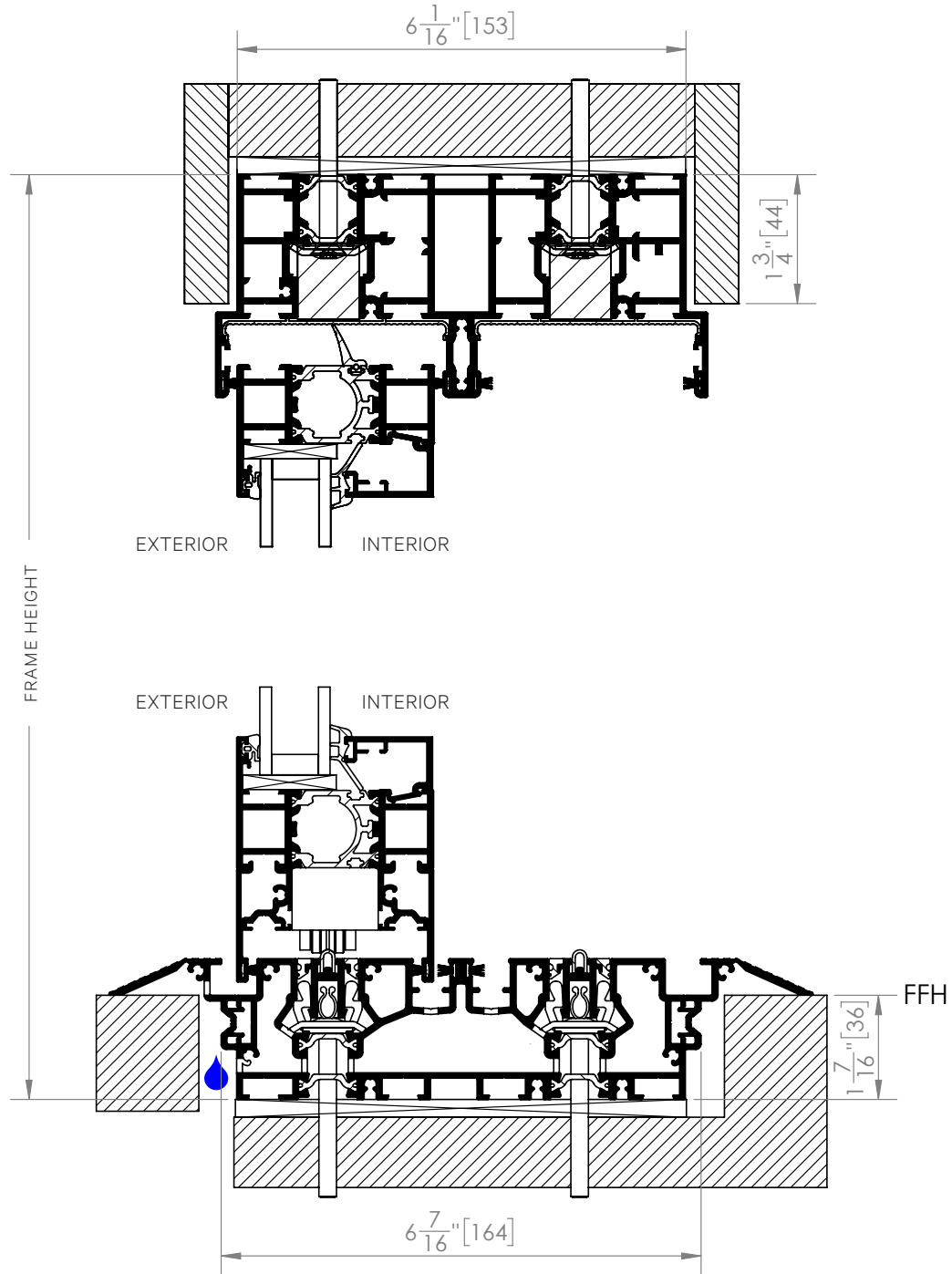
Partially Recessed Head Track with Flush Sill (Option 1)



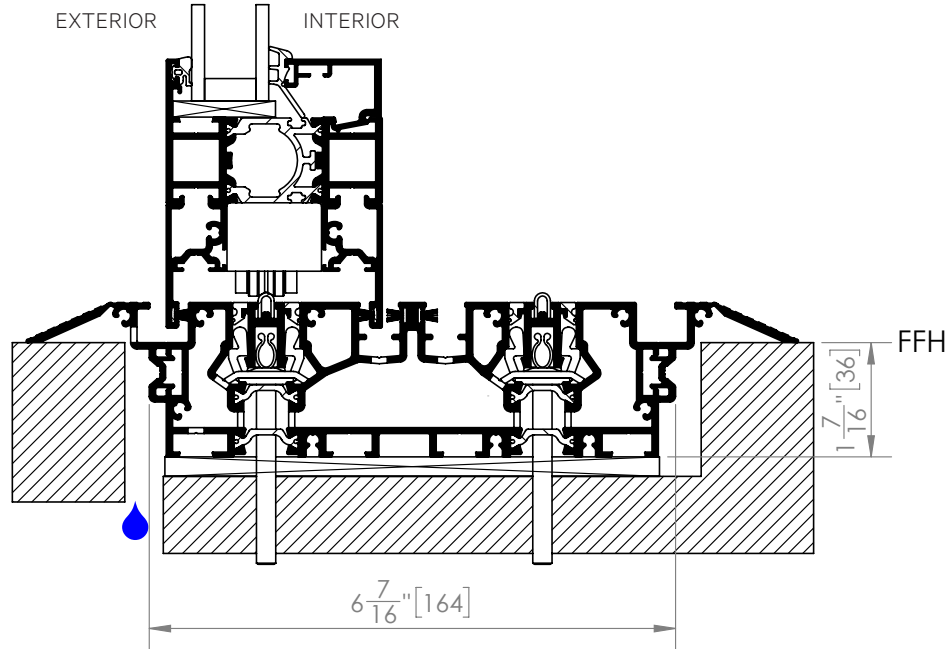
Flush Sill (Option 2)



Partially Recessed Head Track with Low Profile Saddle Sill (Option 1)



Low Profile Saddle Sill (Option 2)



Partially Recessed Side Jamb

