



Architectural Binder Section Tilt Turn and Fixed Windows

GENERATION ™

Comprehensive Product Line by NanaWall

NanaWall®
Boundaries **Unbound®**

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r4-0525

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NanaWall Generation 4 Tilt Turn Windows | Fixed and Transom Windows

Generation 4 Tilt Turn and Fixed window systems are designed to match the Generation 4 product line. This comprehensive line of windows comes in aluminum, wood, and clad.

With concealed hinge hardware, these windows offer the same clean aesthetics as Generation 4 folding glass walls. The Tilt Turn windows are easily operated with a single hand. The windows tilt inward to provide safe ventilation with the tilt action from the top. The turn of the window, specified from the left or the right, swings the window inward on its hinges for increased ventilation. The benefit of this operation is that the outside of the window can be easily cleaned indoors.

The Fixed window options allow for side lites and transoms overhead and are designed to visually align with adjacent full-height operable panels and Tilt Turn windows.

Finishes

Standard aluminum finishes for NW TiltTurn 620, NW Fixed 610, NW TiltTurn 820, and NW Fixed 810 are available in 50 standard powder coat colors in standard AAMA 2604 (2605 optional). Over 200 additional color options are available in powder coat and anodized finishes.

For NW TiltTurn 520, NW Fixed 510, NW TiltTurn 720, and NW Fixed 710, sustainably harvested wood options include: Sapeli Mahogany, Meranti, Pine, Western Hemlock, and Red Grandis. To ensure the longevity of our wood systems, we provide triple and quadruple laminated crossed-grains of the same wood species to accommodate the wood's natural expansion and contraction. Market availability of quadruple laminated cross-grained wood may differ by wood species.

Frames and panels have a sanding sealer or a base coat applied. For NW TiltTurn 720 and NW Fixed 710, one additional clear coat is applied.

Thermal Efficiency and Glazing Options

A fundamental benefit of Generation 4 window systems is energy efficiency. These systems come standard with different levels of continuous seals along the perimeter of each panel frame. Furthermore, standard to each aluminum window system is two levels of insulating thermal breaks for optimal defense from heat and cold.

These systems are dry glazed for double or triple insulated glass and provide controlled drainage.

- The glass pocket for NW TiltTurn 620 can accommodate glass from 24 mm to 45 mm.
- The glass pocket for NW TiltTurn 820 can accommodate glass from 24 mm to 60 mm.
- The glass pocket for NW TiltTurn 520 can accommodate glass from 28 mm to 48 mm.
- The glass pocket for NW TiltTurn 720 can accommodate glass from 28 mm to 52 mm.

Handle Options

Stainless steel in brushed satin or black titanium finishes.






NOTE:

For mulled Fixed or Tilt Turn window units or a combination of different units, please consult with a qualified structural engineer to determine how project design windloads and other requirements determine the use of structural stiffeners between the units.

Generation 4 Folding System	Corresponding Matching Tilt Turn and Fixed System
NW Aluminum 640	NW TiltTurn 620 and NW Fixed 610
NW Aluminum 840	NW TiltTurn 820 and NW Fixed 810
NW Wood 540	NW TiltTurn 520 and NW Fixed 510
NW Clad 740	NW TiltTurn 720 and NW Fixed 710

Performance Testing Results

NW TiltTurn 620, NW TiltTurn 820, NW TiltTurn 520, and NW TiltTurn 720

TYPE OF TEST	RESULTS	
<div></div> <div>Air Infiltration ^①</div> <div>ASTM E-283, cfm/ft²</div>	<div>@ 1.60 psf (75 Pa): 0.08 (0.40 L/s/m²)</div> <div>(0.07 exfiltration (0.40 L/s/m²))</div> <div>A3 ^②</div>	
	<div>@ 6.24 psf (300 Pa): 0.19 (0.97 L/s/m²)</div>	
<div></div> <div>Water Penetration ^①</div> <div>ASTM E-547 and E-331</div>	<div>No uncontrolled water entry</div> <div>@ 9 psf (450 Pa)</div>	
<div></div> <div>Structural Load ^①</div> <div>ASTM E-330: pass</div> <div><i>Note that the structural test pressures were 50% higher than the design pressures.</i></div>	DESIGN PRESSURE	DESIGN PRESSURE
	<div>Positive</div> <div>@ 80 psf</div> <div>(3840 Pa)</div>	<div>Negative</div> <div>@ 80 psf</div> <div>(3840 Pa)</div>
<div></div> <div>Forced Entry Resistance ^①</div>	<div>In accordance with ASTM F 588 – Grade 40</div>	
<div></div> <div>Operation Force ^①</div> <div>ASTM E-2068</div>	<div>The NW TiltTurn 620, NW TiltTurn 820, NW TiltTurn 520, NW TiltTurn 720 meets:</div> <div><ul style="list-style-type: none">• Initiate Motion: ≤ 1 lbf (≤ 5 N)• Maintain Motion: ≤ 1 lbf (≤ 5 N)• Latch: ≤ 13.5 lbf (≤ 60 N)• Unlatch: ≤ 13.5 lbf (≤ 60 N)</div>	

① Excerpts of results of 3' 11 1/4" x 5' 10 7/8" (1200 mm x 1800 mm) standard unit of NW TiltTurn 620 and NW TiltTurn 720 tested by Intertek Building & Construction, an independent testing laboratory in February 2024 in accordance with AAMA/WDMA/CSA 101/1.S.2/A440-22, (NAFS-22) standard. Results also applicable to NW TiltTurn 820 and NW TiltTurn 520. The samples tested met the performance requirements for a Class CW-PG60 1220 x 1822 (48 x 72) rating.

② For Canada, tested to NAFS-22 or equivalent and CSA A44051-19.



Thermal Performance

NW TiltTurn 620 - Rated, certified, and labeled
in accordance with NFRC 100 + 200

TYPE OF GLASS (1 LITE)	CENTER OF GLASS U-FACTOR	INWARD OPENING UNITS			
		UNIT U-FACTOR	SHGC ^③	VT ^④	2023 ENERGY STAR
Double IG Standard Low E (argon filled)	.25	.34	.26	.53	–
Double IG Standard Low E (air filled)	.30	.38	.27	.53	–
Triple IG Low E x 2 (argon filled)	.12	.23	.22	.41	*
Triple IG Low E x 2 (air filled)	.15	.25	.23	.41	*
Double IG Alternate Higher SHGC Low E (argon filled)	.25	.35	.36	.53	–
Double IG Alternate Higher SHGC Low E (air filled)	.29	.38	.36	.53	–
Triple IG Alternate Higher SHGC Low E (argon filled)	.12	.24	.28	.43	**
Triple IG Alternate Higher SHGC Low E (air filled)	.15	.26	.28	.43	**

NOTES

③ SHGC = Solar Heat Gain Coefficient

④ VT = Visible Transmittance

* 2023 Energy Star Qualification Criteria: For doors in North/North Central zones; U-Factor ≤ 0.26 and SHGC ≤ 0.40 and in South/South Central zones; U-Factor ≤ 0.28 and SHGC ≤ 0.23 . (For guidance only. NanaWall is not a participant of the Energy Star program.)

** Meets SHGC Energy Star Qualification criteria for North/North Central zones only.

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 TiltTurn 820 - Rated, certified, and labeled
in accordance with NFRC 100 + 200

Thermal Performance

TYPE OF GLASS (1 LITE)	CENTER OF GLASS U-FACTOR	INWARD OPENING UNITS			
		UNIT U-FACTOR	SHGC ^③	VT ^④	2023 ENERGY STAR
Double IG Standard Low E (argon filled)	.25	.34	.26	.52	–
Double IG Standard Low E (air filled)	.30	.37	.26	.52	–
Triple IG Low E x 2 (argon filled)	.12	.22	.22	.41	*
Triple IG Low E x 2 (air filled)	.15	.24	.22	.41	*
Double IG Alternate Higher SHGC Low E (argon filled)	.25	.35	.36	.53	–
Double IG Alternate Higher SHGC Low E (air filled)	.29	.38	.36	.53	–
Triple IG Alternate Higher SHGC Low E x 2 (argon filled)	.12	.22	.28	.42	**
Triple IG Alternate Higher SHGC Low E x 2 (air filled)	.15	.24	.28	.42	**

NOTES

③ SHGC = Solar Heat Gain Coefficient

④ VT = Visible Transmittance

* 2023 Energy Star Qualification Criteria: For doors in North/North Central zones; U-Factor ≤ 0.26 and SHGC ≤ 0.40 and in South/South Central zones; U-Factor ≤ 0.28 and SHGC ≤ 0.23 . (For guidance only. NanaWall is not a participant of the Energy Star program.)

** Meets SHGC Energy Star Qualification criteria for North/North Central zones only.

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.



Thermal Performance

NW TiltTurn 520 - Rated, certified, and labeled
in accordance with NFRC 100 + 200

TYPE OF GLASS (1 LITE)	CENTER OF GLASS U-FACTOR	INWARD OPENING UNITS			
		UNIT U-FACTOR	SHGC ^③	VT ^④	2023 ENERGY STAR
Double IG Standard Low E (argon filled)	.25	.26	.26	.54	–
Double IG Standard Low E (air filled)	.30	.30	.26	.54	–
Triple IG Low E x 2 (argon filled)	.12	.15	.22	.42	*
Triple IG Low E x 2 (air filled)	.15	.18	.22	.42	*
Double IG Alternate Higher SHGC Low E (argon filled)	.25	.27	.36	.54	–
Double IG Alternate Higher SHGC Low E (air filled)	.29	.30	.36	.54	–
Triple IG Alternate Higher SHGC Low E (argon filled)	.12	.16	.28	.43	**
Triple IG Alternate Higher SHGC Low E (air filled)	.15	.18	.28	.43	**

NOTES

③ SHGC = Solar Heat Gain Coefficient

④ VT = Visible Transmittance

* 2023 Energy Star Qualification Criteria: For doors in North/North Central zones; U-Factor ≤ 0.26 and SHGC ≤ 0.40 and in South/South Central zones; U-Factor ≤ 0.28 and SHGC ≤ 0.23 . (For guidance only. NanaWall is not a participant of the Energy Star program.)

** Meets SHGC Energy Star Qualification criteria for North/North Central zones only.

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.



Thermal Performance

NW TiltTurn 720 - Rated, certified, and labeled
in accordance with NFRC 100 + 200

TYPE OF GLASS (1 LITE)	CENTER OF GLASS U-FACTOR	INWARD OPENING UNITS			
		UNIT U-FACTOR	SHGC ^③	VT ^④	2023 ENERGY STAR
Double IG Standard Low E (argon filled)	.25	.27	.26	.54	–
Double IG Standard Low E (air filled)	.30	.31	.27	.54	–
Triple IG Low E x 2 (argon filled)	.12	.16	.22	.42	*
Triple IG Low E x 2 (air filled)	.15	.18	.23	.42	*
Double IG Alternate Higher SHGC Low E (argon filled)	.25	.28	.36	.54	–
Double IG Alternate Higher SHGC Low E (air filled)	.29	.31	.37	.54	–
Triple IG Alternate Higher SHGC Low E x 2 (argon filled)	.12	.17	.28	.44	**
Triple IG Alternate Higher SHGC Low E x 2 (air filled)	.15	.19	.28	.44	**

NOTES

③ SHGC = Solar Heat Gain Coefficient

④ VT = Visible Transmittance




* 2023 Energy Star Qualification Criteria: For doors in North/North Central zones; U-Factor ≤ 0.26 and SHGC ≤ 0.40 and in South/South Central zones; U-Factor ≤ 0.28 and SHGC ≤ 0.23 . (For guidance only. NanaWall is not a participant of the Energy Star program.)

** Meets SHGC Energy Star Qualification criteria for North/North Central zones only.

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.

Performance Testing Results

NW Fixed 610 and NW Fixed 810




TYPE OF TEST	RESULTS	
<div></div> <div>Air Infiltration ^①</div> <div>ASTM E-283, cfm/ft²</div>	<div>@ 1.60 psf (75 Pa): 0.01 (0.10 L/s/m²)</div> <div>(0.05 exfiltration (0.30 L/s/m²))</div> <div>A3 ^②</div>	
	<div>@ 6.24 psf (300 Pa): 0.02 (0.10 L/s/m²)</div>	
<div></div> <div>Water Penetration ^①</div> <div>ASTM E-547 and E-331</div>	<div>No uncontrolled water entry</div> <div>@ 12 psf (600 Pa)</div>	
<div></div> <div>Structural Load ^①</div> <div>ASTM E-330: pass</div> <div>Note that the structural test pressures were 50% higher than the design pressures.</div>	DESIGN PRESSURE	DESIGN PRESSURE
	<div>Positive</div> <div>@ 80 psf</div> <div>(3840 Pa)</div>	<div>Negative</div> <div>@ 80 psf</div> <div>(3840 Pa)</div>

① Excerpts of results of 4' 11 1/16" x 5' 10 7/8" (1500 mm x 1800 mm) standard unit of NW Fixed 610 tested by Intertek Building & Construction, an independent testing laboratory in February 2024 in accordance with AAMA/WDMA/CSA 101/I.S.2/A440-22, (NAFS-22) standard. Results also applicable for NW Fixed 810. The sample tested met the performance requirements for a Class CW-PG80 1500 x 1800 (59 x 71) rating.

② For Canada, tested to NAFS-22 or equivalent and CSA A44051-19.

Performance Testing Results

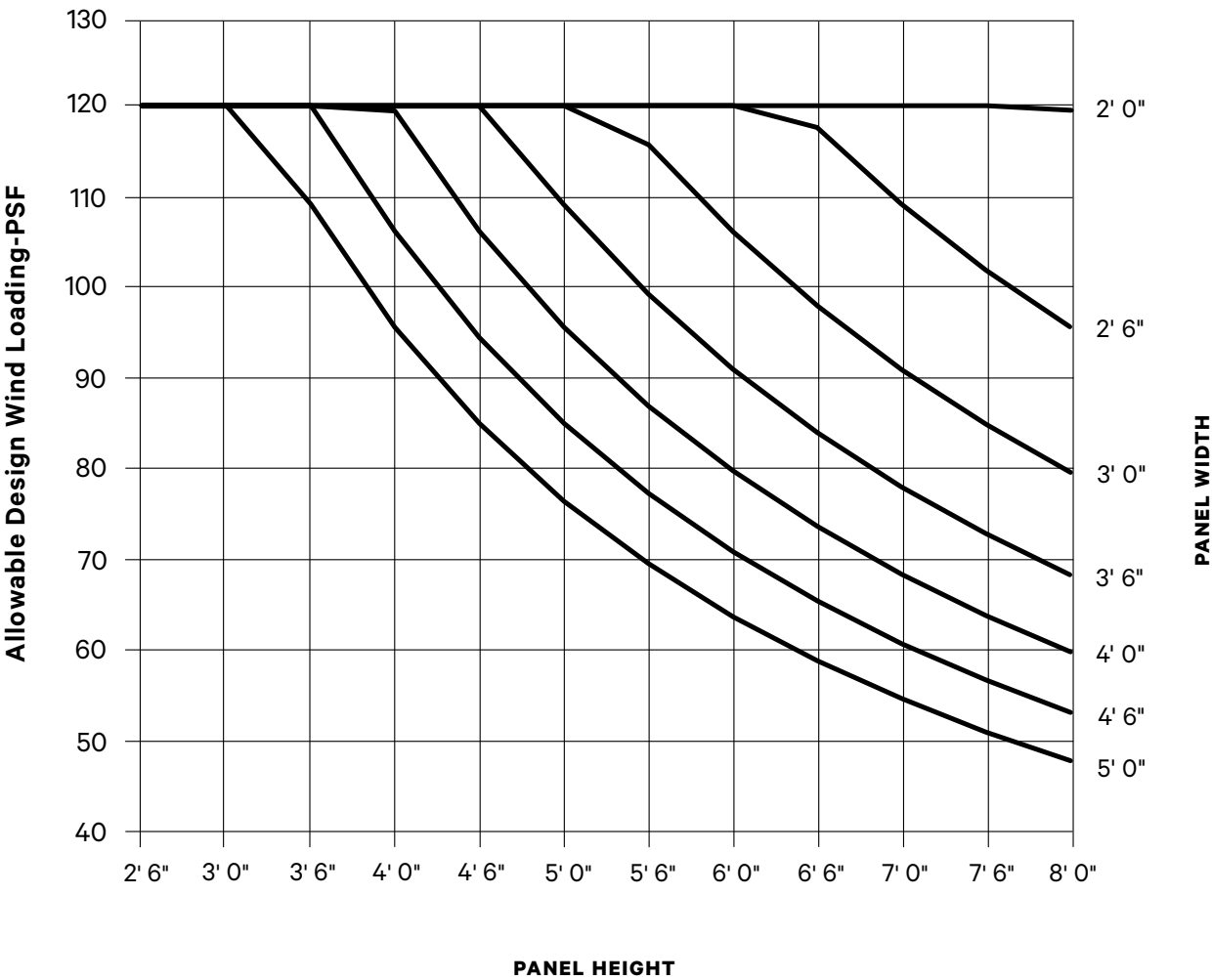
NW Fixed 510 and NW Fixed 710

TYPE OF TEST	RESULTS	
<div></div> <div>Air Infiltration ^①</div> <div>ASTM E-283, cfm/ft²</div>	<div>@ 1.60 psf (75 Pa): 0.01 (0.10 L/s/m²)</div> <div>(0.04 exfiltration (0.50 L/s/m²))</div> <div>A3 ^②</div>	
	<div>@ 6.24 psf (300 Pa): 0.02 (0.10 L/s/m²)</div>	
<div></div> <div>Water Penetration ^①</div> <div>ASTM E-547 and E-331</div>	<div>No uncontrolled water entry</div> <div>@ 12 psf (600 Pa)</div>	
<div></div> <div>Structural Load ^①</div> <div>ASTM E-330: pass</div> <div><i>Note that the structural test pressures were 50% higher than the design pressures.</i></div>	DESIGN PRESSURE	DESIGN PRESSURE
	<div>Positive</div> <div>@ 80 psf</div> <div>(3840 Pa)</div>	<div>Negative</div> <div>@ 80 psf</div> <div>(3840 Pa)</div>
<div>^① Excerpts of results of 4' 11 1/16" x 5' 10 7/8" (1500 mm x 1800 mm) standard unit of NW Fixed 710 tested by Intertek Building & Construction, an independent testing laboratory in February 2024 in accordance with AAMA/WDMA/CSA 101/I.S.2/A440-22, (NAFS-22) standard. Results also applicable for NW Fixed 510. The sample tested met the performance requirements for a Class CW-PG80 1500 x 1800 (59 x 71) rating.</div> <div>^② For Canada, tested to NAFS-22 or equivalent and CSA A44051-19.</div>		

Design Windload Chart

NW TiltTurn 620, NW TiltTurn 820, NW TiltTurn 520, NW TiltTurn 720

Applies to Positive and Negative Design Pressure for Inswing Units
(In Accordance with Allowable Stress Design (ASD) Design Pressures*)



Any Custom Size is Possible. See Maximum Frame Size Chart for Possible Sizes.

(Derived from Comparative Analysis) Test Panel Size: About 4' 0" W x 6' 0" H.
Please note that some jurisdictions may limit the use of these charts or may not accept them at all. Design pressures and/or sizes may be restricted to what was tested. These charts are also not restricted by any water rating or L/175 deflection limitations. For Florida approval products, please see the FL Evaluation Report and Installation Instructions for restrictions. Please also note that this chart is only applicable for units with standard NanaWall supplied locking.

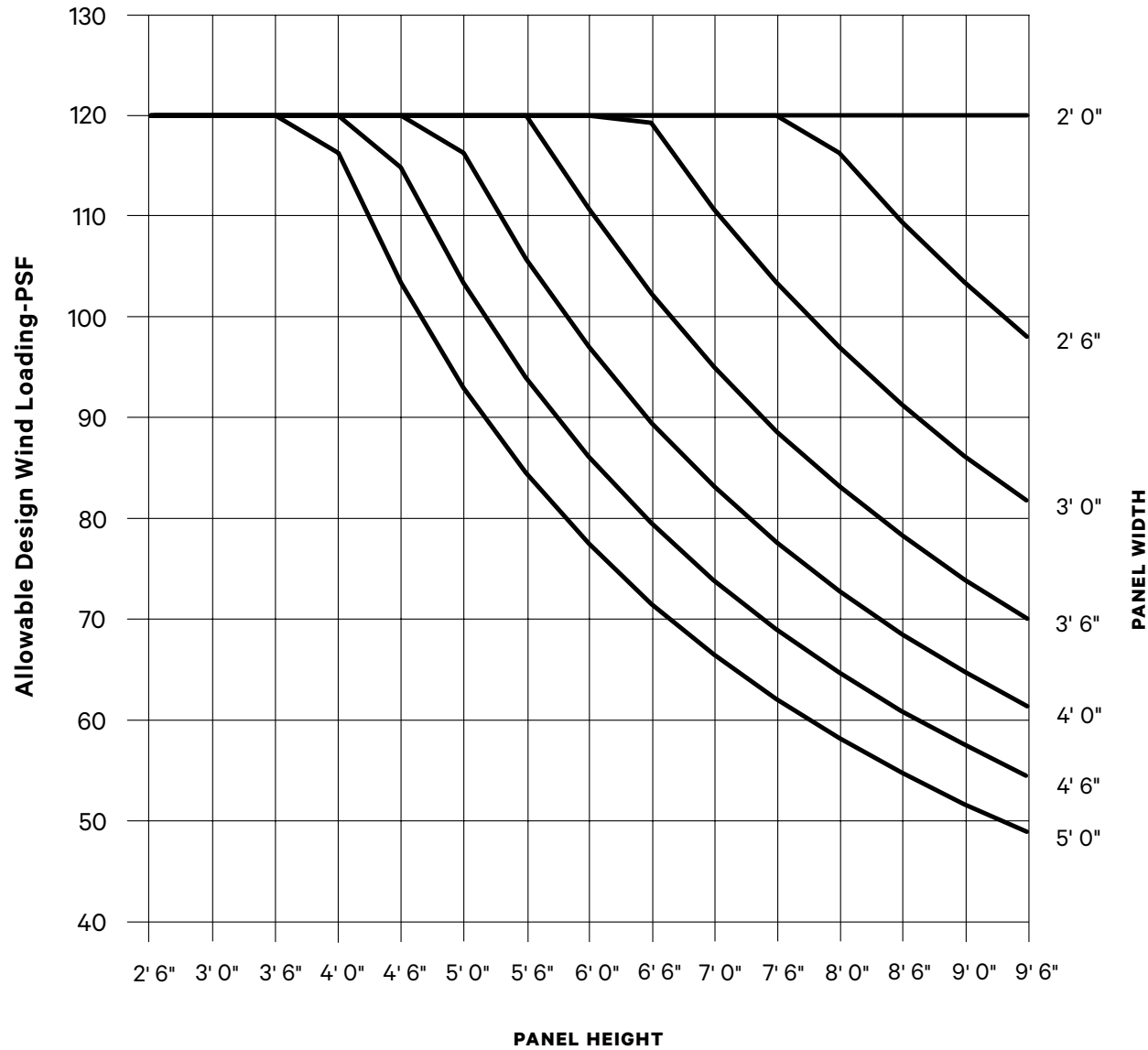
* If the project design pressures have been calculated in accordance with Ultimate Design Wind Speed (ULT), then these design pressures have to be multiplied by a factor of 0.6 to obtain the equivalent ASD design pressures shown in this chart.

Design Windload Chart

NW Fixed 610, NW Fixed 810, NW Fixed 510, NW Fixed 710

Applies to Positive and Negative Design Pressure

(In Accordance with Allowable Stress Design (ASD) Design Pressures*)



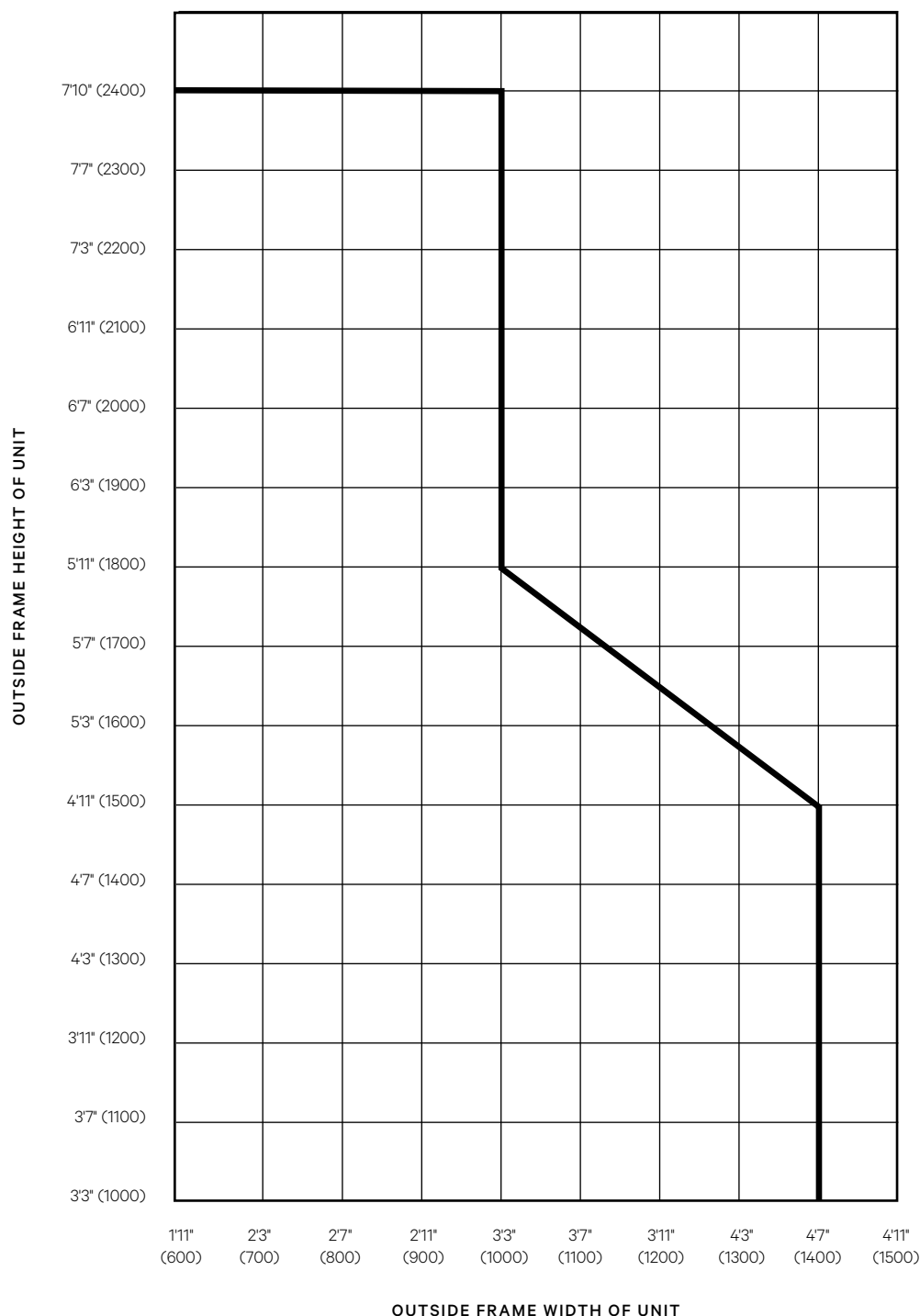
Any Custom Size is Possible. See Maximum Frame Size Chart for Possible Sizes.

(Derived from Comparative Analysis) Test Panel Size: About 59" W x 71" H.
Please note that some jurisdictions may limit the use of these charts or may not accept them at all. Design pressures and/or sizes may be restricted to what was tested. These charts are also not restricted by any water rating or L/175 deflection limitations. For Florida approval products, please see the FL Evaluation Report and Installation Instructions for restrictions.

* If the project design pressures have been calculated in accordance with Ultimate Design Wind Speed (ULT), then these design pressures have to be multiplied by a factor of 0.6 to obtain the equivalent ASD design pressures shown in this chart.

Maximum Size Chart | Tilt Turn Windows

NW TiltTurn 620, NW TiltTurn 820, NW TiltTurn 520, NW TiltTurn 720



Any custom size is possible up to the maximum size shown.

— Solid dark line on chart indicates maximum frame height possible for a given maximum frame width.

The maximum size chart is based on max. unit weight of 220 lbs (100 kg) or max. glass weight of 9 lbs/ft² (40 kg/m²). Also based on max. area of 25 ft² (2.4 m²).

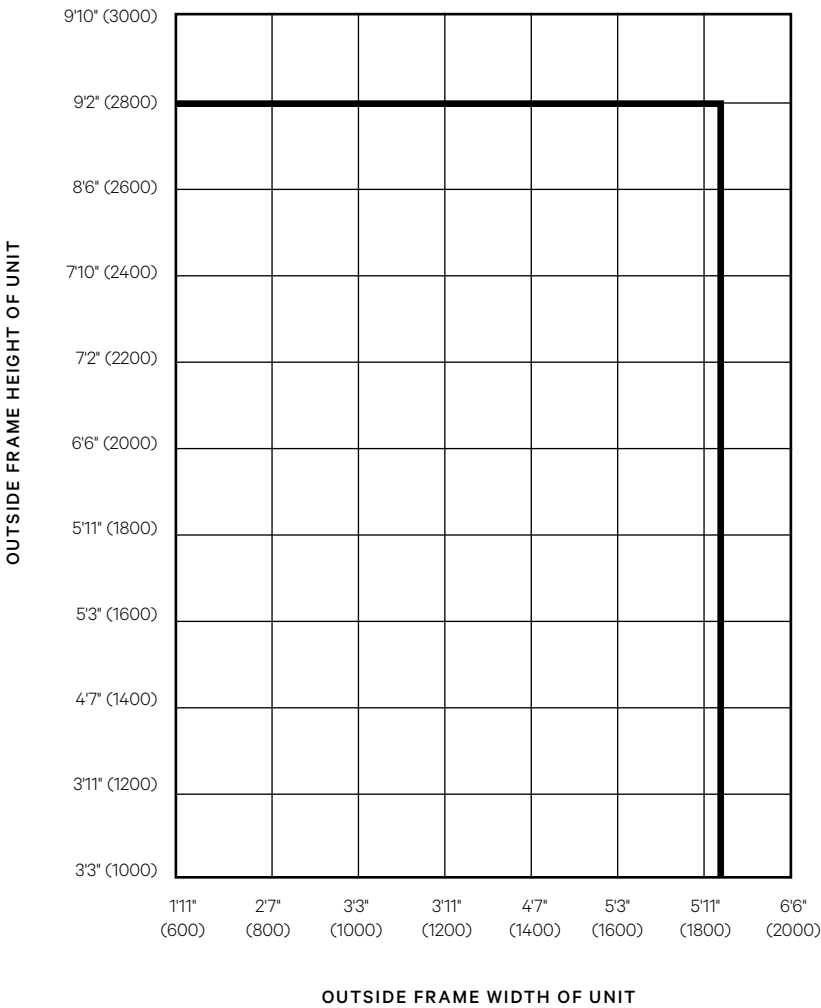
Minimum panel width of 21.5" (545 mm).

Minimum panel height of 21.6" (550 mm).

Max. ratio of width/height is 1.5.

Maximum Size Chart | Fixed and Transom Windows

NW Fixed 610, NW Fixed 810, NW Fixed 510, NW Fixed 710



Any custom size is possible up to the maximum size shown.

— Solid dark line on chart indicates maximum frame height possible for a given maximum frame width.

Minimum panel width of 21.5" (545 mm). Maximum panel width of 6' (1829 mm).

Minimum panel height of 21.6" (550 mm).

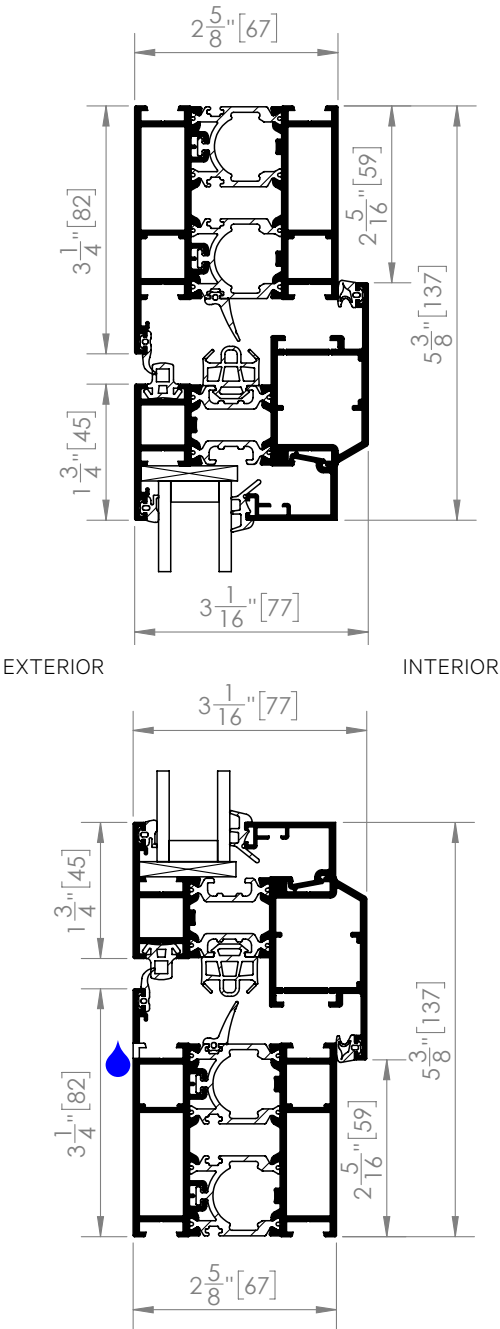
Max. 54 sqft (5 sqm).

NW TILTTURN 620

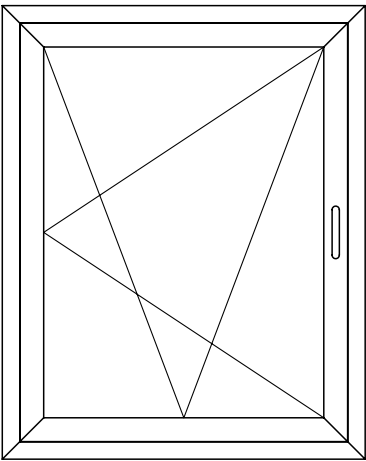
NW TiltTurn 620 Wide Frame to Match NW Aluminum 640, NW Acoustical 645, and NW Reinforced 647

(Available as a single window or multiple unit - mulling engineering by others).

Vertical Cross-Section

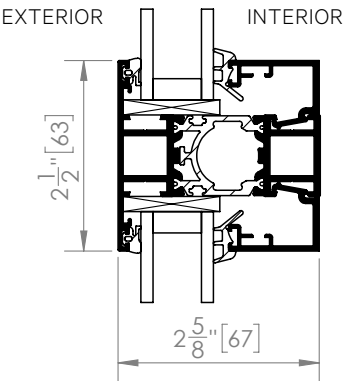


Elevation



Typical Mullion Profile

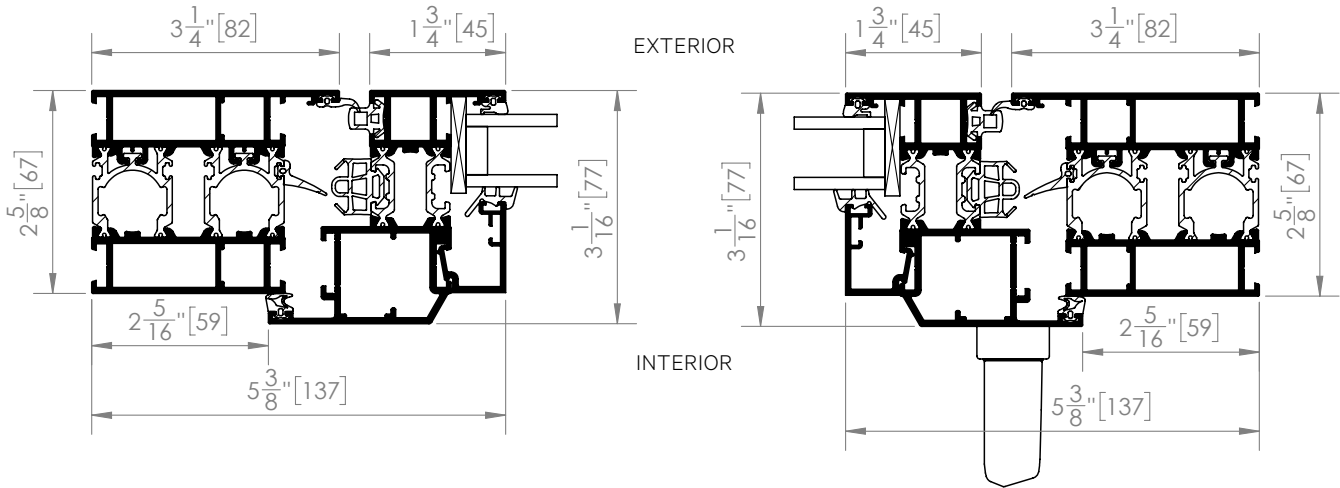
(Available in horizontal and vertical patterns of choice)



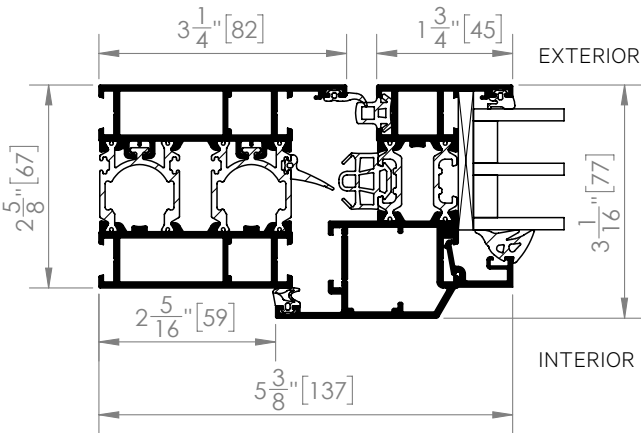
NW TiltTurn 620 Wide Frame to Match NW Aluminum 640, NW Acoustical 645, and NW Reinforced 647

(Available as a single window or multiple unit - mulling engineering by others).

Horizontal Cross-Section

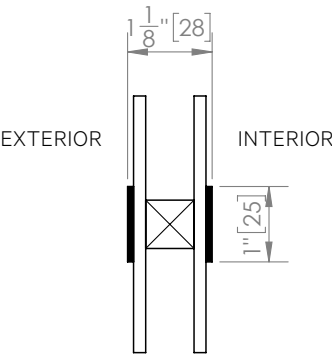


Typical Glass Stop Profile with Triple Glazing



Typical Simulated Divided Lites (SDL)

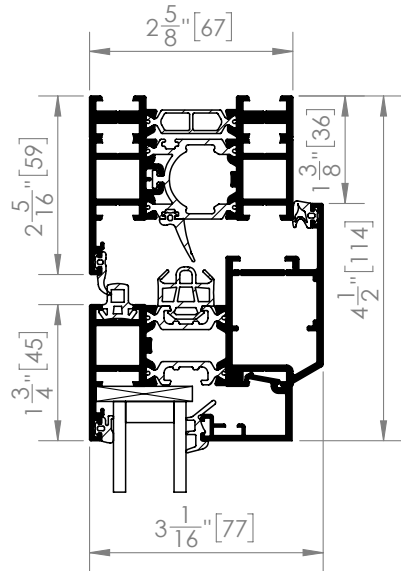
(Available in horizontal and vertical patterns of choice)



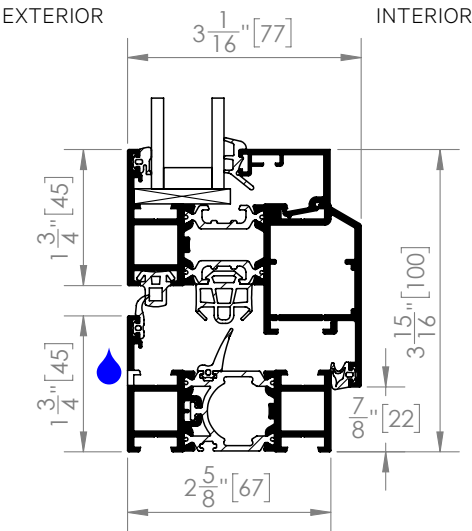
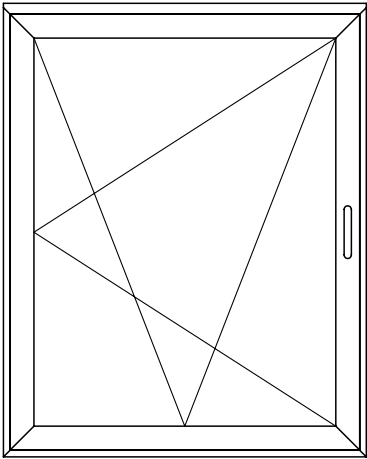
NW TiltTurn 620 Narrow Frame to Match NW Aluminum 640, NW Acoustical 645, and NW Reinforced 647

(Available as a single window or multiple unit - mulling engineering by others).

Vertical Cross-Section

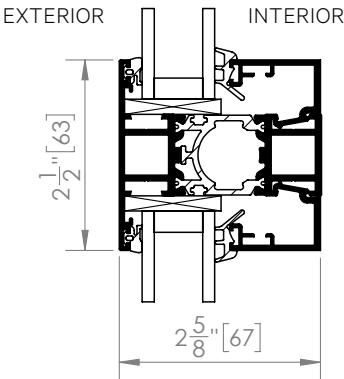


Elevation



Typical Mullion Profile

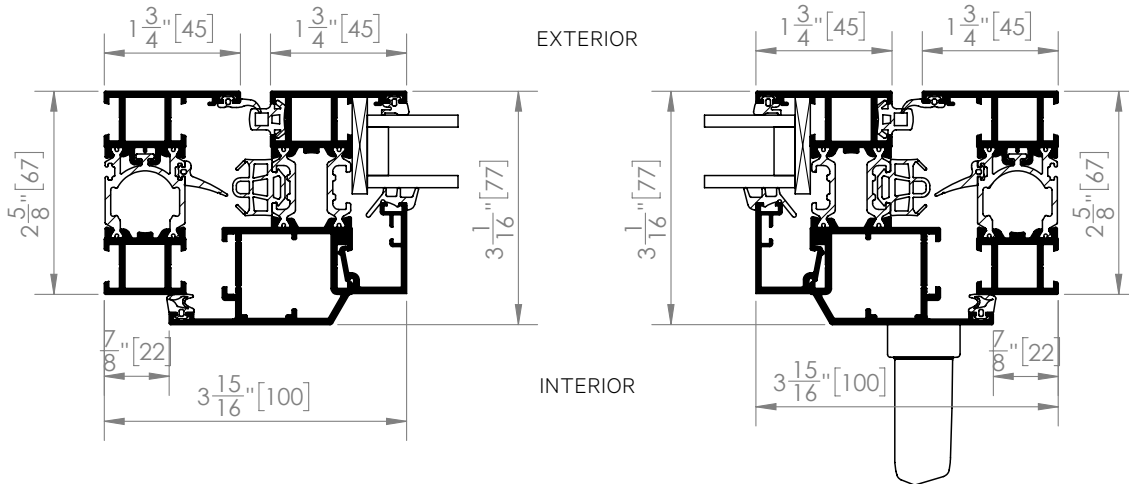
(Available in horizontal and vertical patterns of choice)



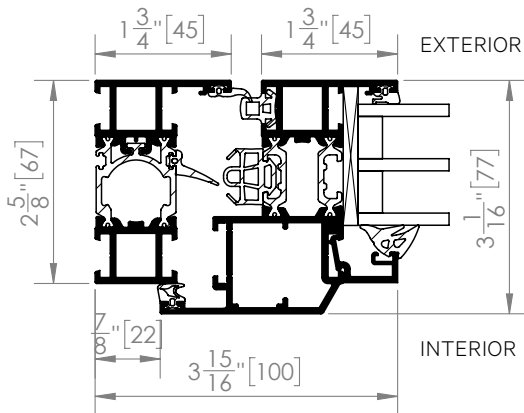
NW TiltTurn 620 Narrow Frame to Match NW Aluminum 640, NW Acoustical 645, and NW Reinforced 647

(Available as a single window or multiple unit - mulling engineering by others).

Horizontal Cross-Section

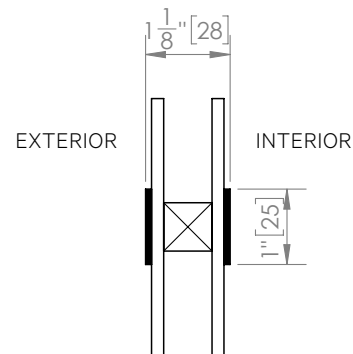


Typical Glass Stop Profile with Triple Glazing

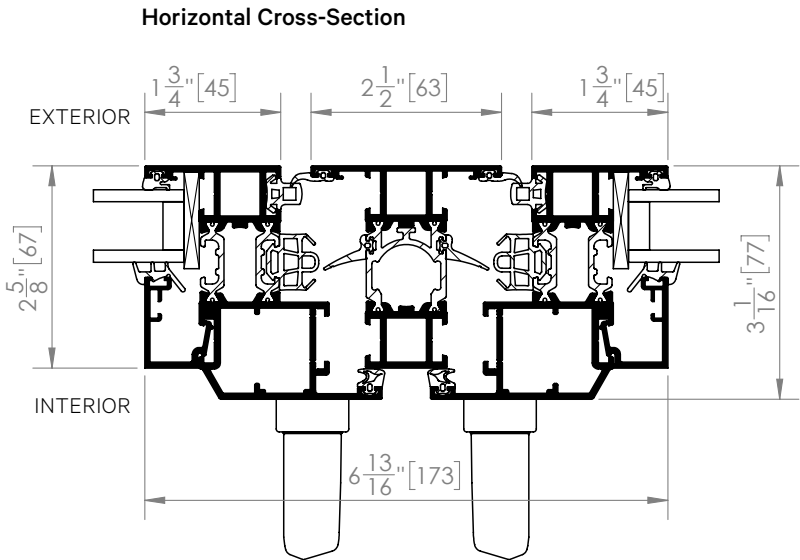


Typical Simulated Divided Lites (SDL)

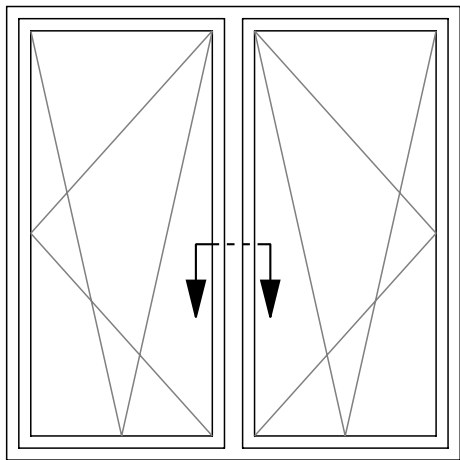
(Available in horizontal and vertical patterns of choice)



NW TiltTurn 620 Narrow or Wide Frame Pair to Match NW Aluminum 640, NW Acoustical 645, and NW Reinforced 647

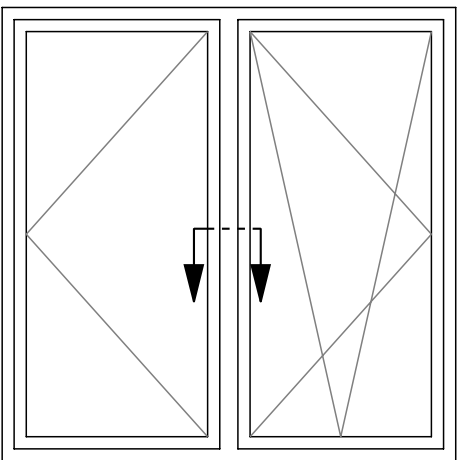


Elevation



Tilt Turn + Tilt Turn with fixed post
in the middle

Elevation



Turn + Tilt Turn with fixed post
in the middle

NW FIXED 610

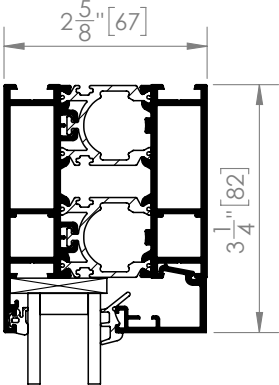
NW Fixed 610 Wide Frame to Match NW Aluminum 640, NW Acoustical 645, and NW Reinforced 647

(Mulling engineering by others).

Wide Frame with Extension Profile to Match NW Aluminum 640 and NW MultiSlide 630

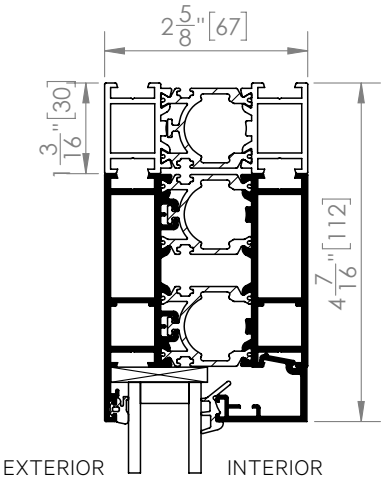
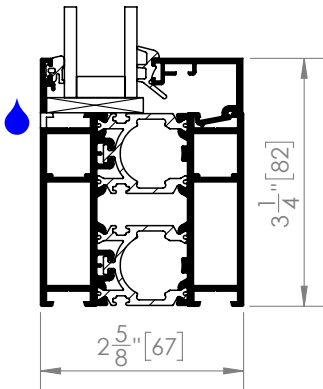
Wide Frame with Extension Profile to Match NW Aluminum 640 with FourFold Higher Head Track

Wide Frame



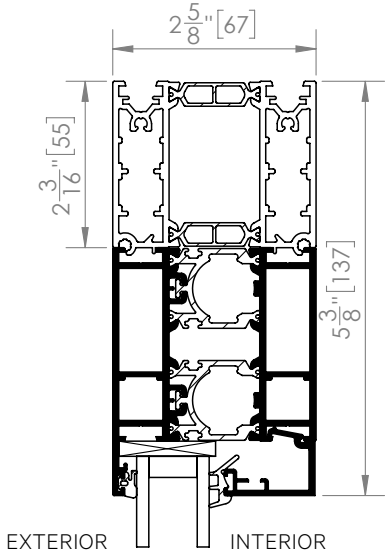
EXTERIOR

INTERIOR



EXTERIOR

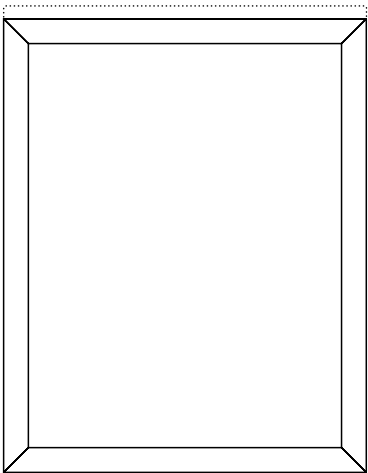
INTERIOR



EXTERIOR

INTERIOR

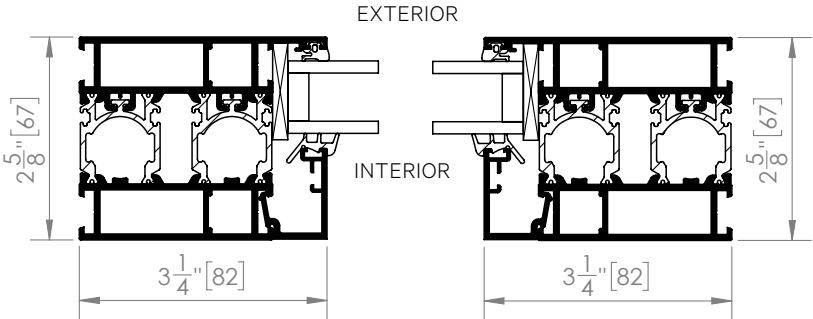
Elevation



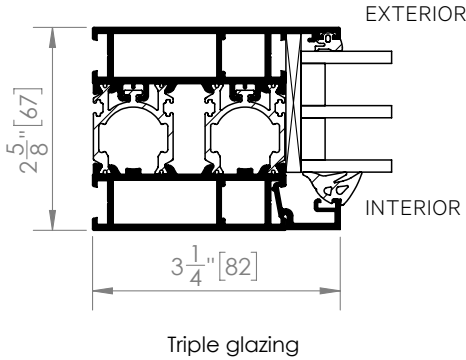
NW Fixed 610 Wide Frame to Match NW Aluminum 640, NW Acoustical 645, and NW Reinforced 647

(Mulling engineering by others).

Horizontal Cross-Section

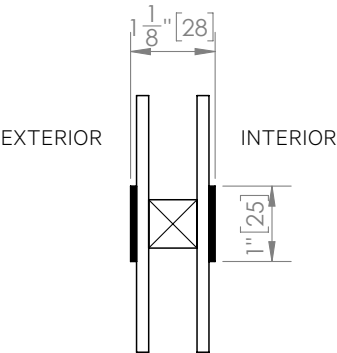


Typical Glass Stop Profile with Triple Glazing



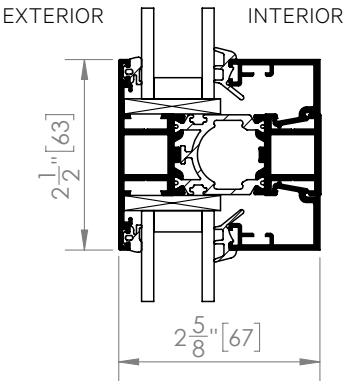
Typical Simulated Divided Lites (SDL)

(Available in horizontal and vertical patterns of choice)



Typical Mullion Profile

(Available in horizontal and vertical patterns of choice)

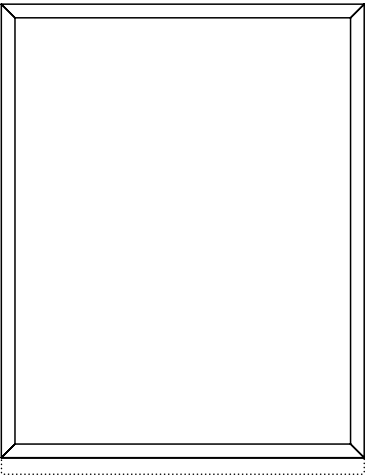
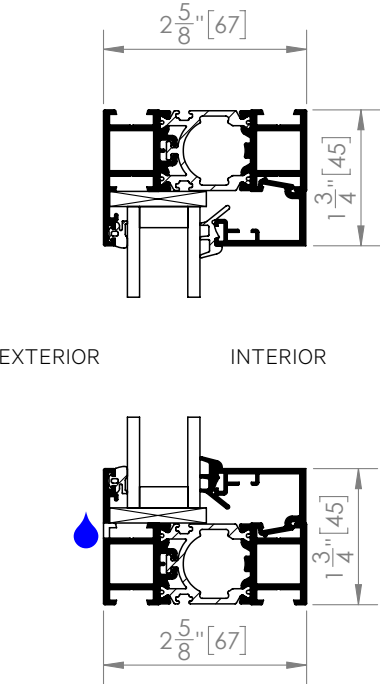


NW Fixed 610 Narrow Frame to Match NW Aluminum 640, NW Acoustical 645, and NW Reinforced 647

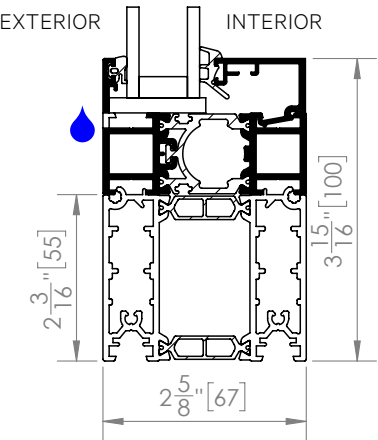
(Mulling engineering by others).

Narrow Frame

Elevation



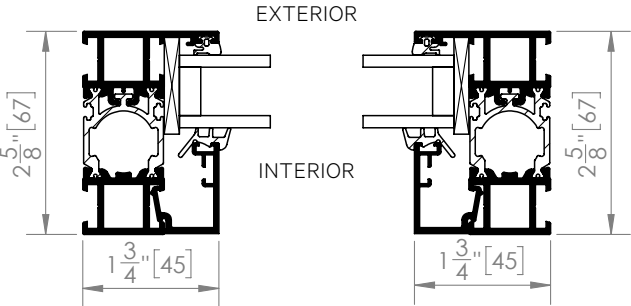
Narrow Frame to Match NW Aluminum 640 and NW MultiSlide 630



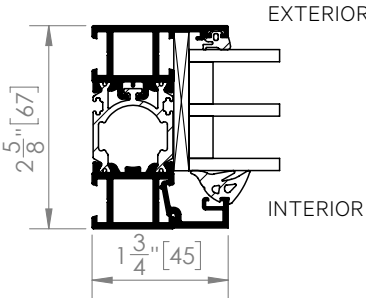
NW Fixed 610 Narrow Frame to Match NW Aluminum 640, NW Acoustical 645, and NW Reinforced 647

(Mulling engineering by others).

Horizontal Cross-Section

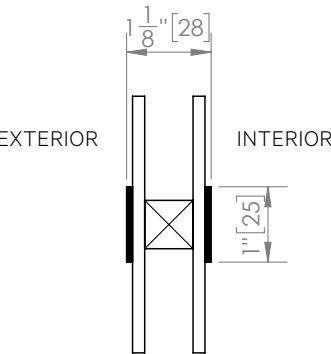


Typical Glass Stop Profile with Triple Glazing



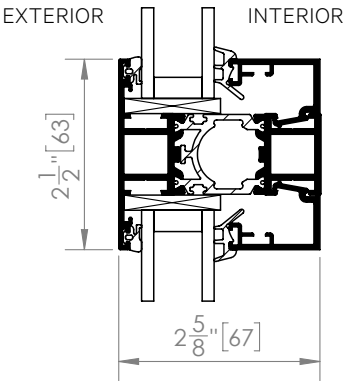
Typical Simulated Divided Lites (SDL)

(Available in horizontal and vertical patterns of choice)



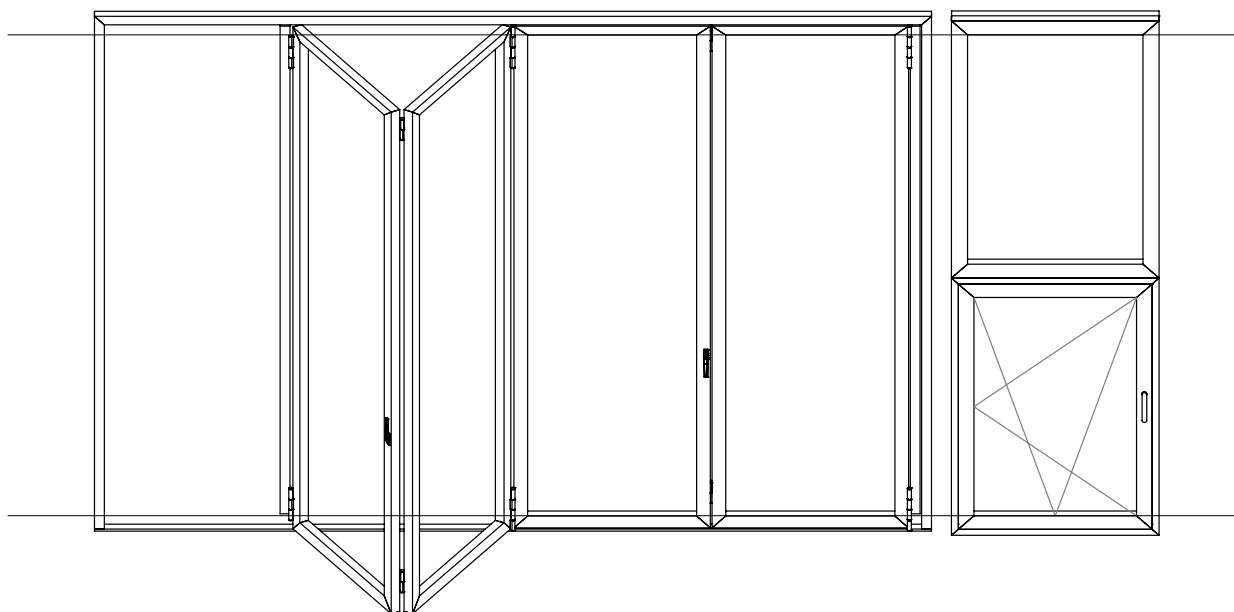
Typical Mullion Profile

(Available in horizontal and vertical patterns of choice)

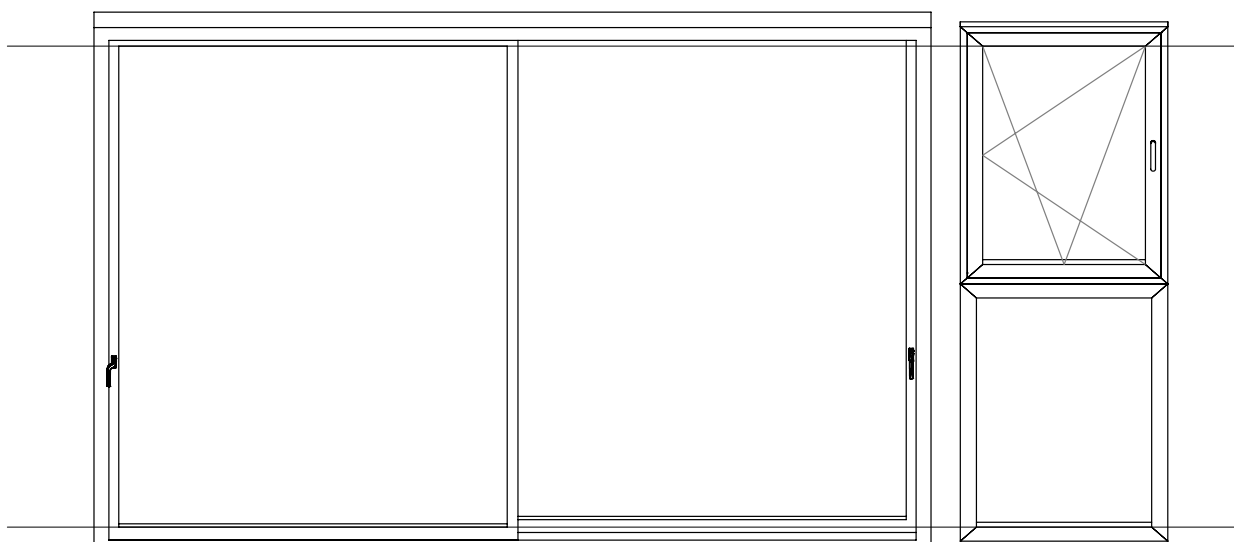


Generation 4 Aluminum Framed Tilt Turn and Fixed Windows Offer Matching Glass Lines with the Folding and MultiSlide Systems

NW Aluminum 640 and NW Fixed 610 Wide Frame with Extension Profile Mulled with NW TiltTurn 620 Narrow Frame

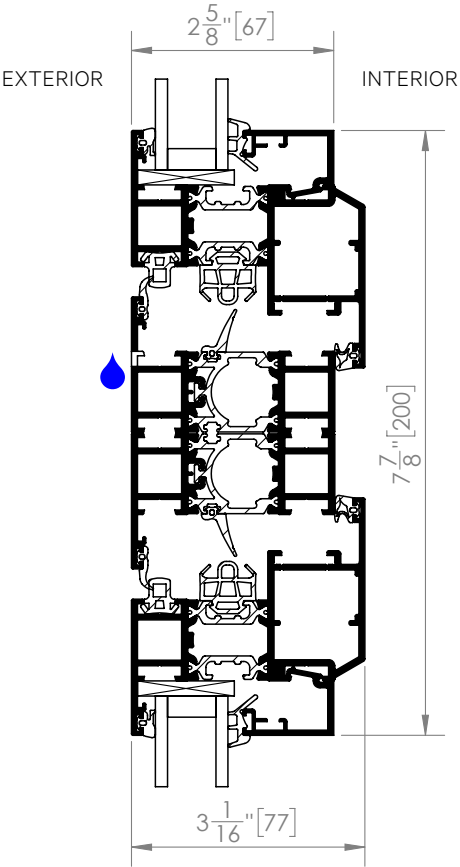


NW MultiSlide 630 and NW TiltTurn 620 Narrow Frame with Extension Profile Mulled with NW Fixed 610 Wide Frame

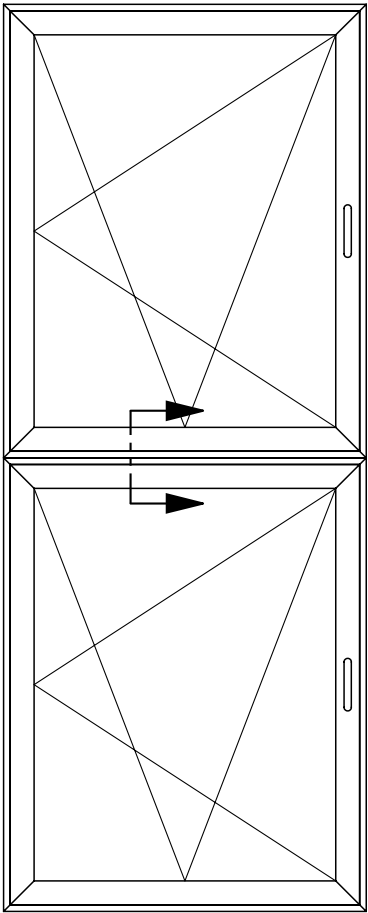


NW TiltTurn 620 Narrow Frame Mulled with NW TiltTurn 620 Narrow Frame

Vertical Cross-Section

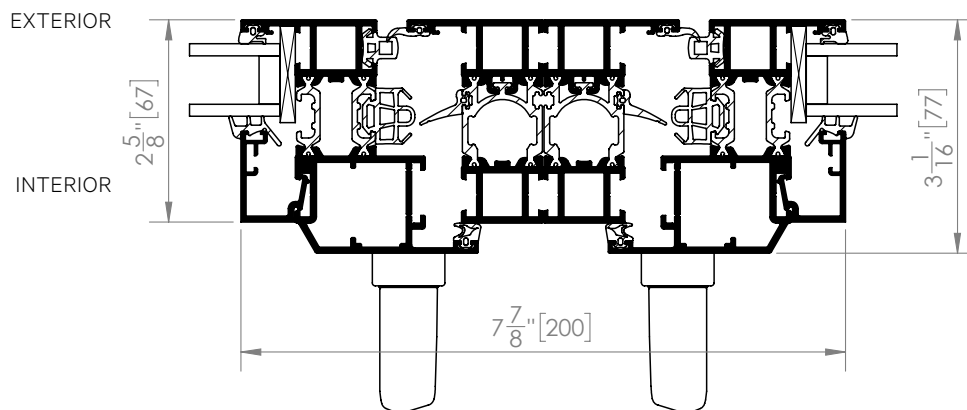


Elevation

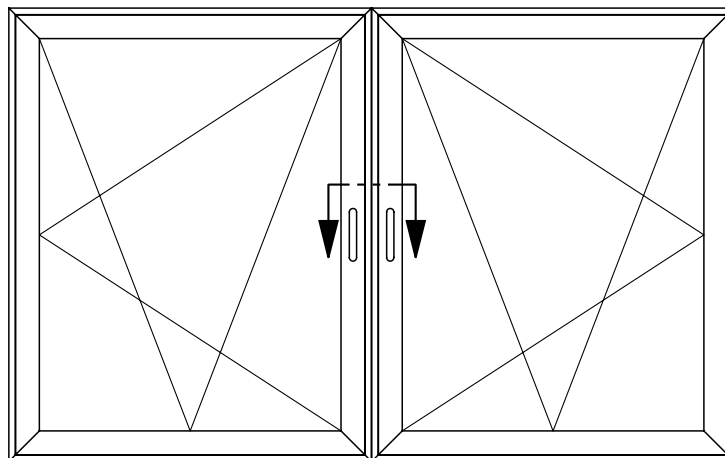


NW TiltTurn 620 Narrow Frame Mulled with NW TiltTurn 620 Narrow Frame

Horizontal Cross-Section

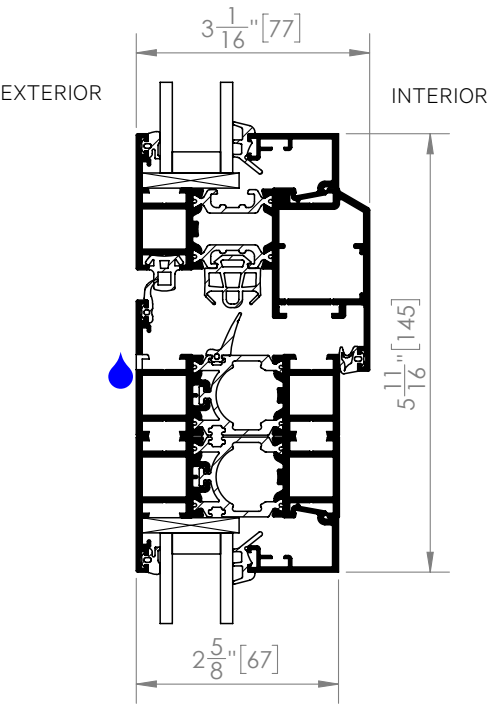


Elevation

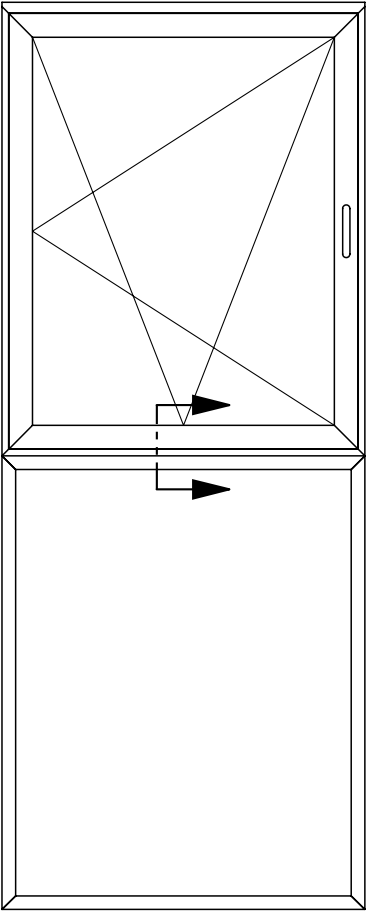


NW TiltTurn 620 Narrow Frame Mulled with NW Fixed 610 Narrow Frame

Vertical Cross-Section

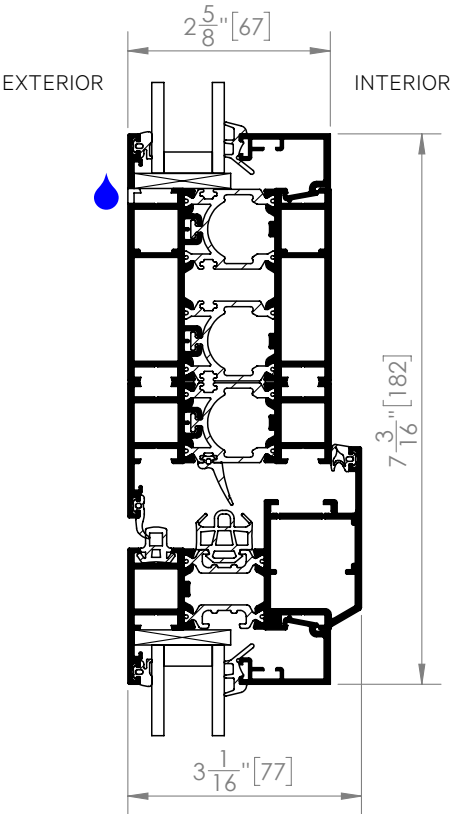


Elevation

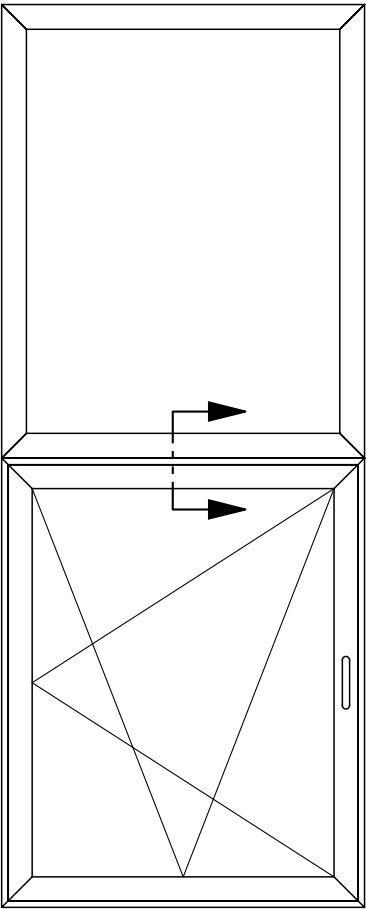


NW Fixed 610 Wide Frame Mulled with NW TiltTurn 620 Narrow Frame

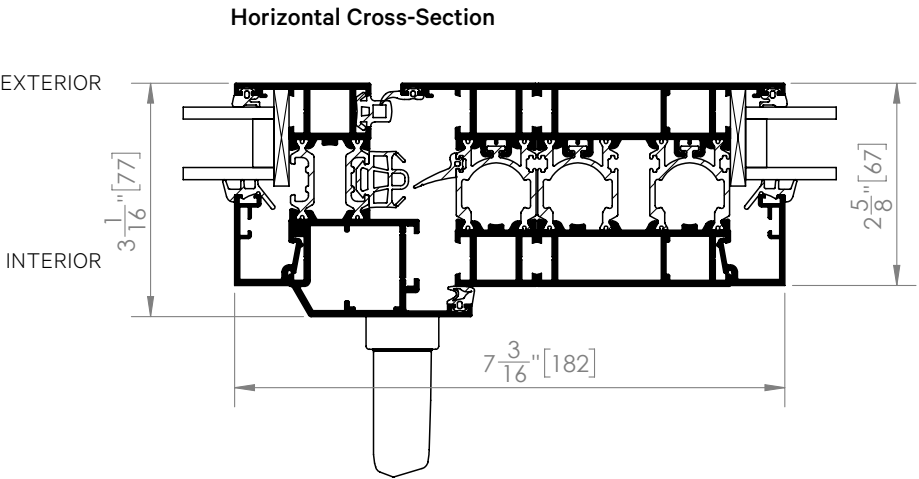
Vertical Cross-Section



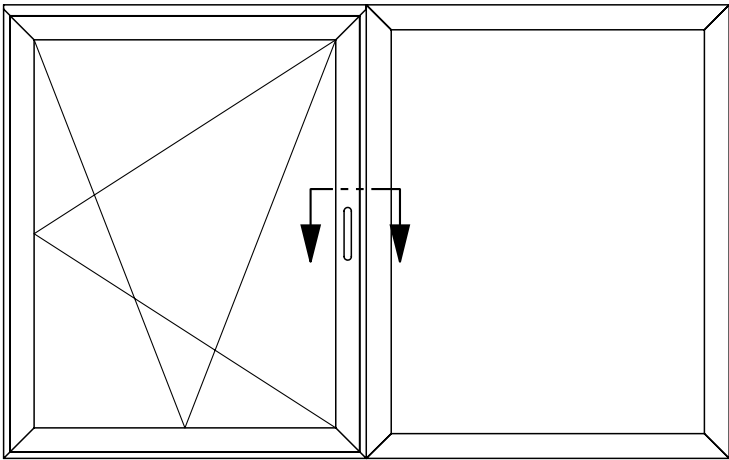
Elevation



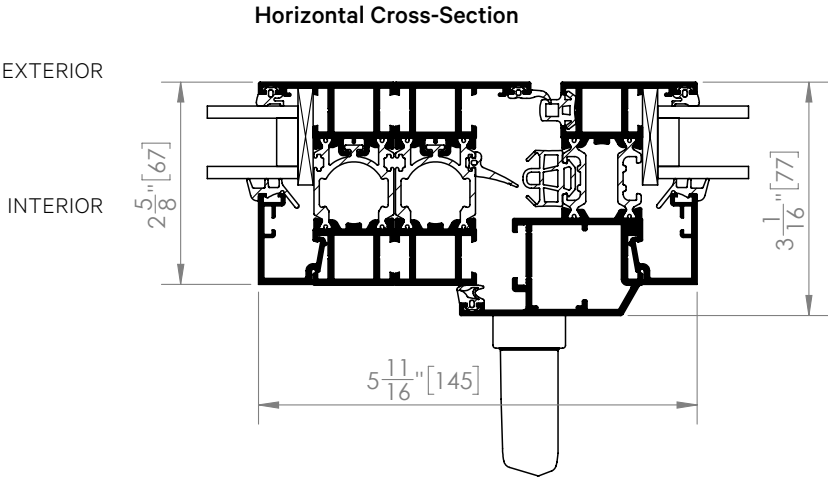
NW TiltTurn 620 Narrow Frame Mulled with NW Fixed 610 Wide Frame



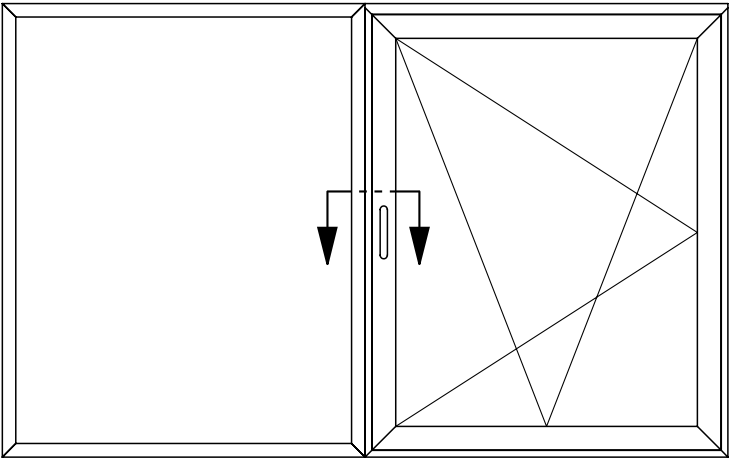
Elevation



NW Fixed 610 Narrow Frame Mulled with NW TiltTurn 620 Narrow Frame

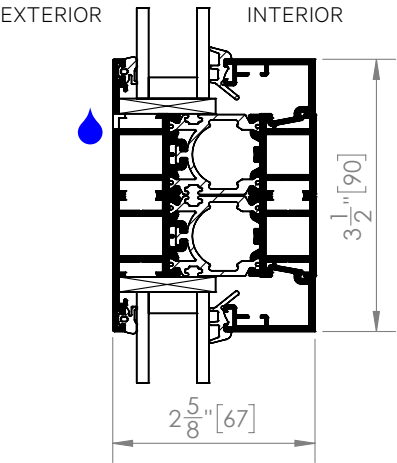


Elevation

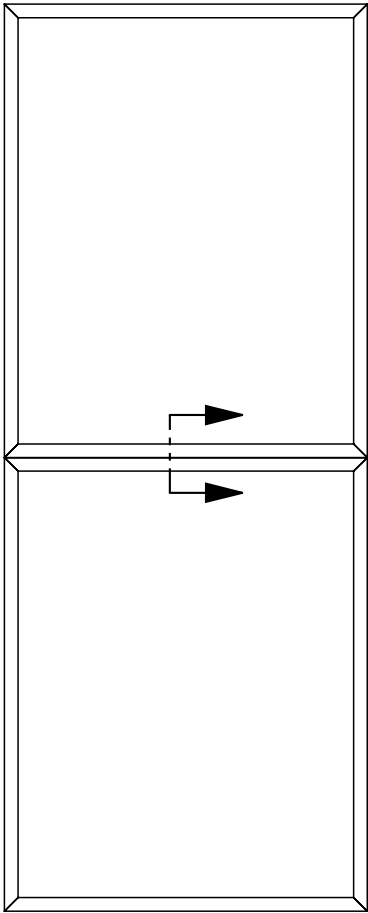


NW Fixed 610 Narrow Frame Mulled with NW Fixed 610 Narrow Frame

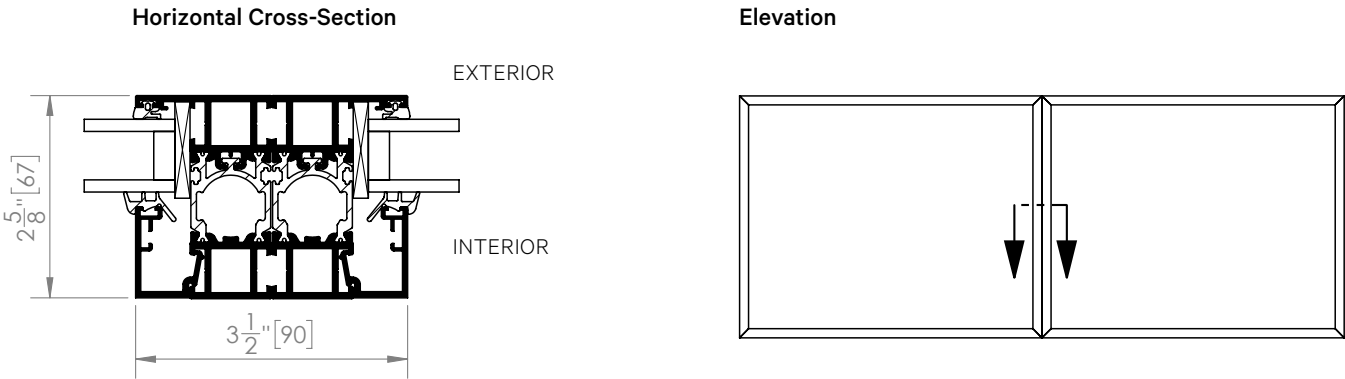
Vertical Cross-Section



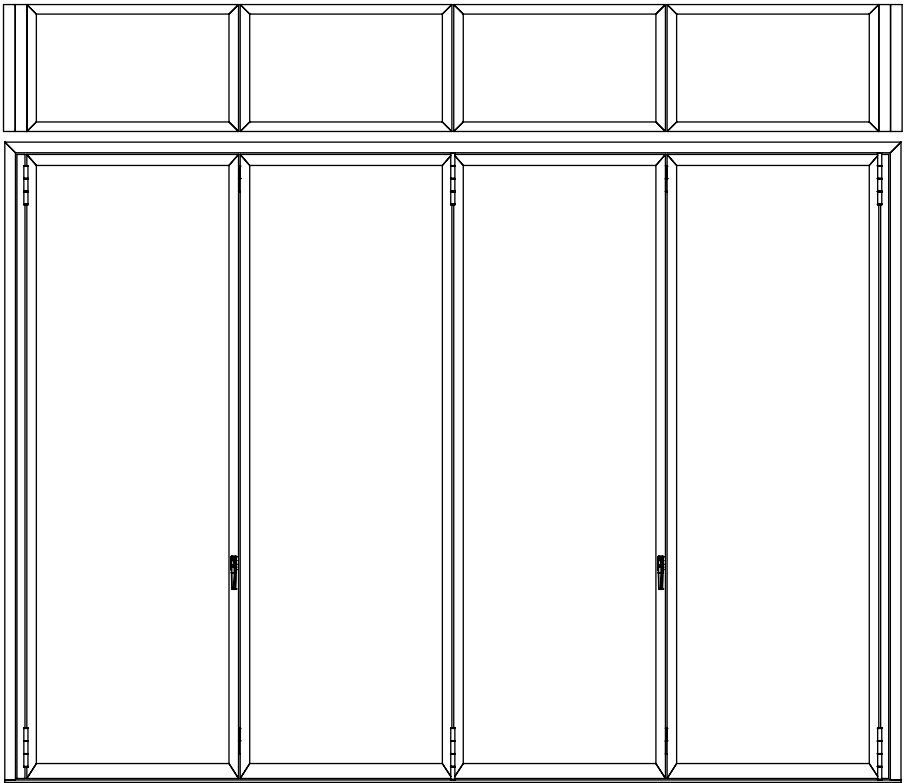
Elevation



NW Fixed 610 Narrow Frame Mulled with NW Fixed 610 Narrow Frame

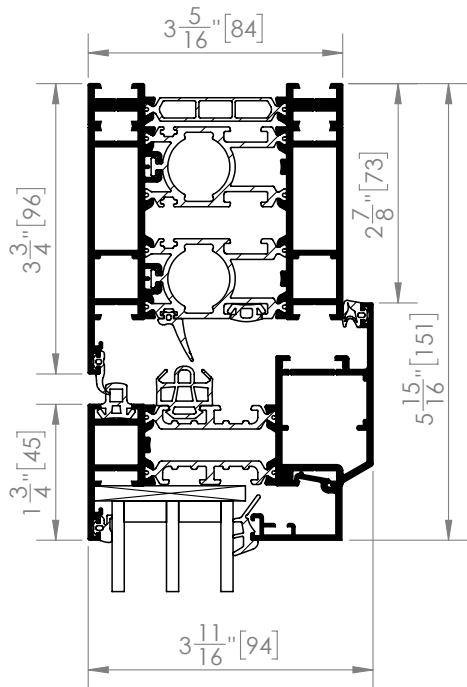


NW Aluminum 640 and NW Fixed 610 Narrow Frame with Extension Profiles



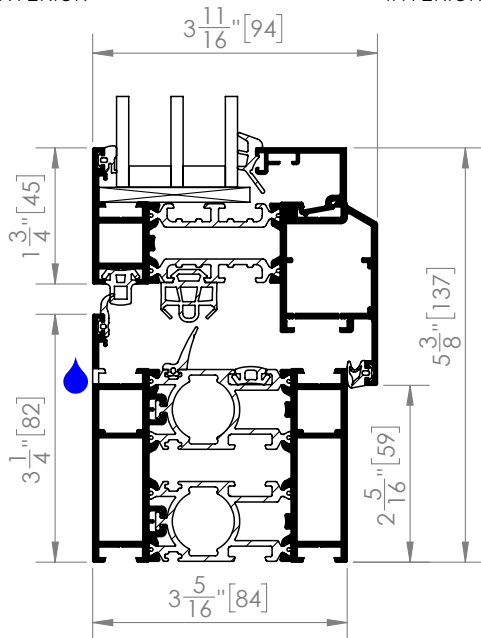
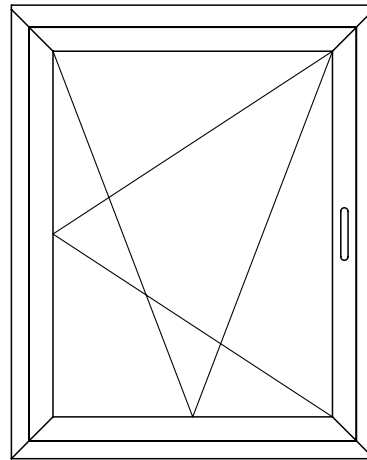
NW TILTTURN 820**NW TiltTurn 820 Wide Frame to Match NW Aluminum 840 and NW Reinforced 847**

(Available as a single window or multiple unit - mulling engineering by others).

Vertical Cross-Section

EXTERIOR

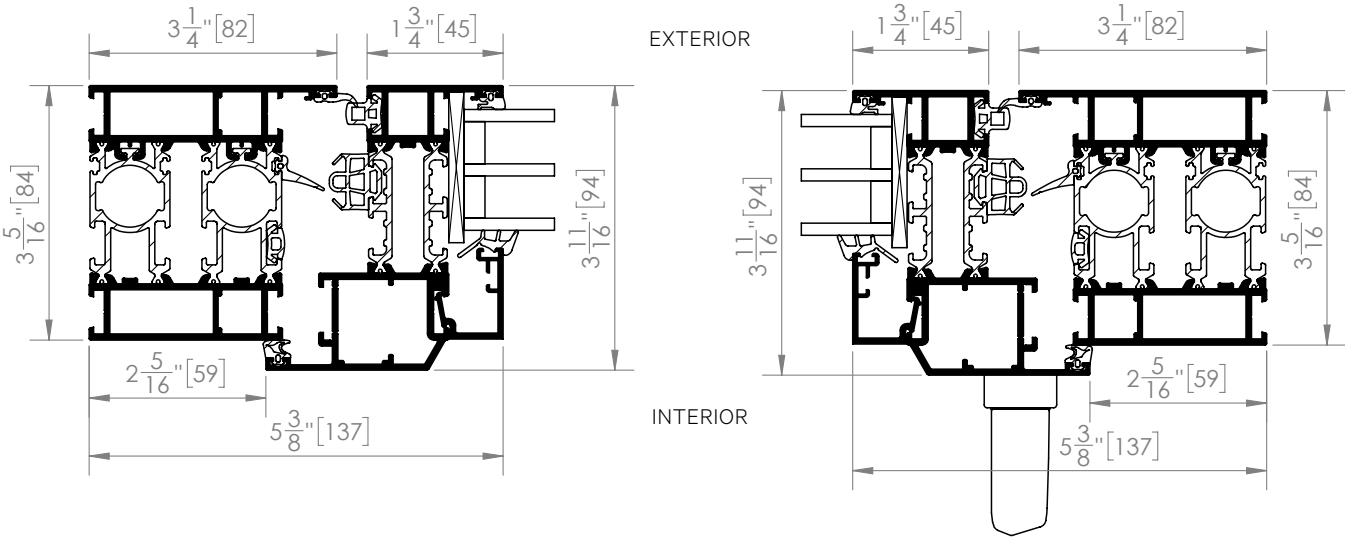
INTERIOR

**Elevation**

NW TiltTurn 820 Wide Frame to Match NW Aluminum 840 and NW Reinforced 847

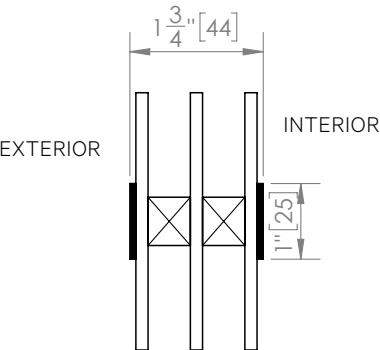
(Available as a single window or multiple unit - mulling engineering by others).

Horizontal Cross-Section



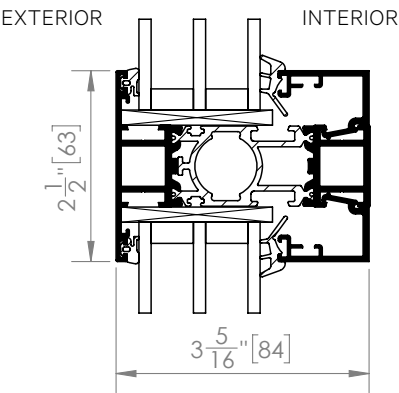
Typical Simulated Divided Lites (SDL)

(Available in horizontal and vertical patterns of choice)



Typical Mullion Profile

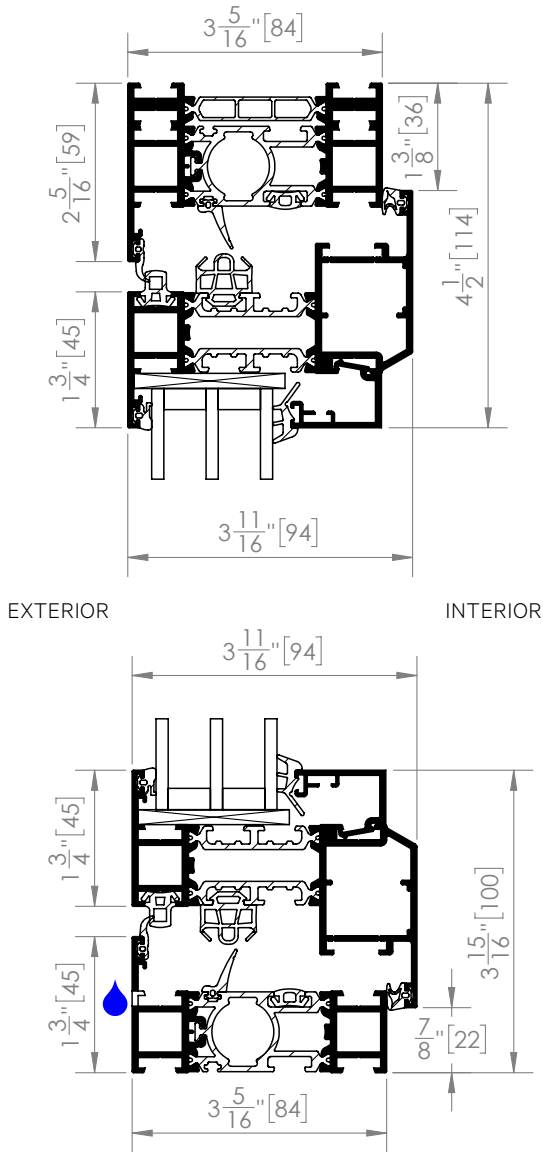
(Available in horizontal and vertical patterns of choice)



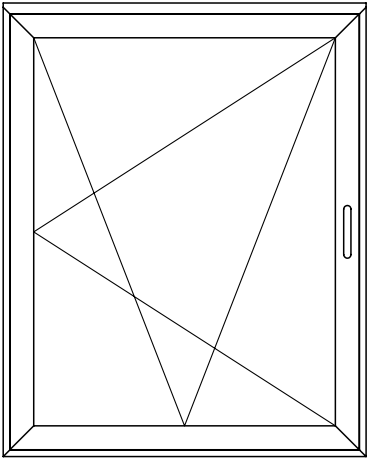
NW TiltTurn 820 Narrow Frame to Match NW Aluminum 840 and NW Reinforced 847

(Available as a single window or multiple unit - mulling engineering by others).

Vertical Cross-Section



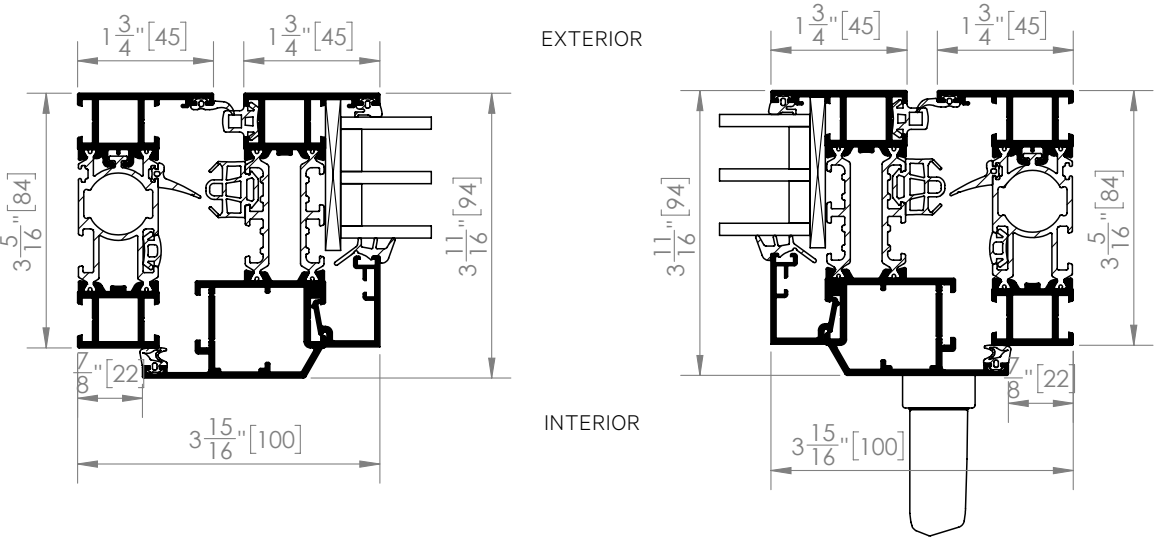
Elevation



NW TiltTurn 820 Narrow Frame to Match NW Aluminum 840 and NW Reinforced 847

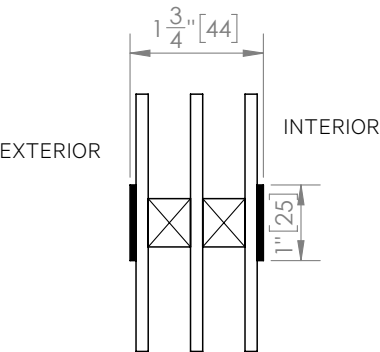
(Available as a single window or multiple unit - mulling engineering by others).

Horizontal Cross-Section



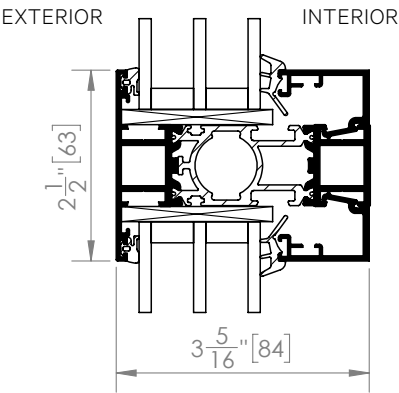
Typical Simulated Divided Lites (SDL)

(Available in horizontal and vertical patterns of choice)



Typical Mullion Profile

(Available in horizontal and vertical patterns of choice)



NW FIXED 810

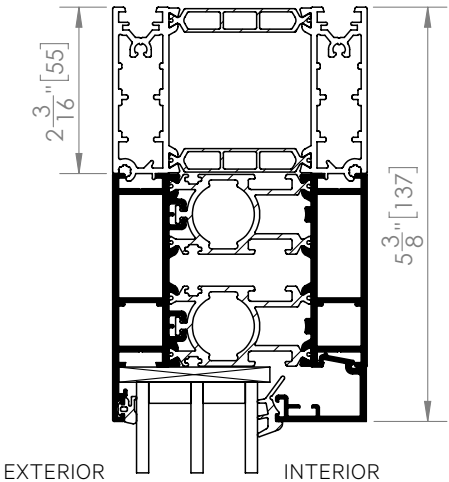
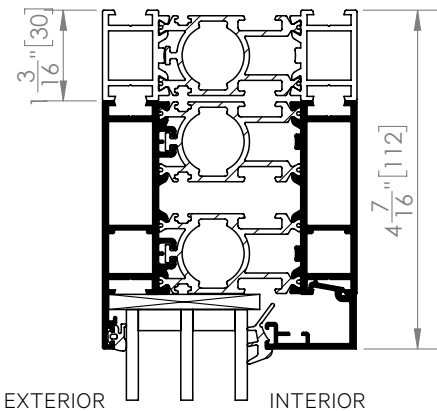
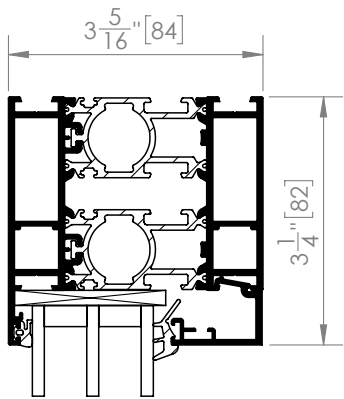
NW Fixed 810 Wide Frame to Match NW Aluminum 840 and NW Reinforced 847

(Mulling engineering by others).

Wide Frame with Extension Profile
to Match NW Aluminum 840 and
NW MultiSlide 630

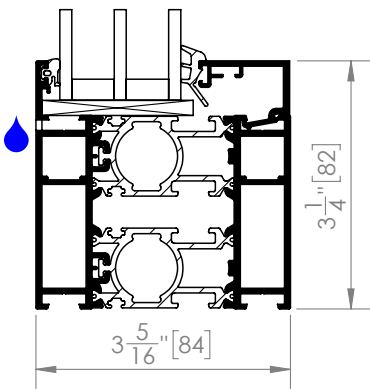
Wide Frame with Extension Profile
to Match NW Aluminum 840 with
FourFold Higher Head Track

Wide Frame

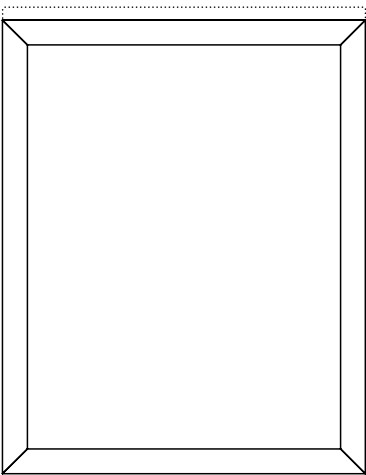


Vertical Cross-Section

EXTERIOR INTERIOR



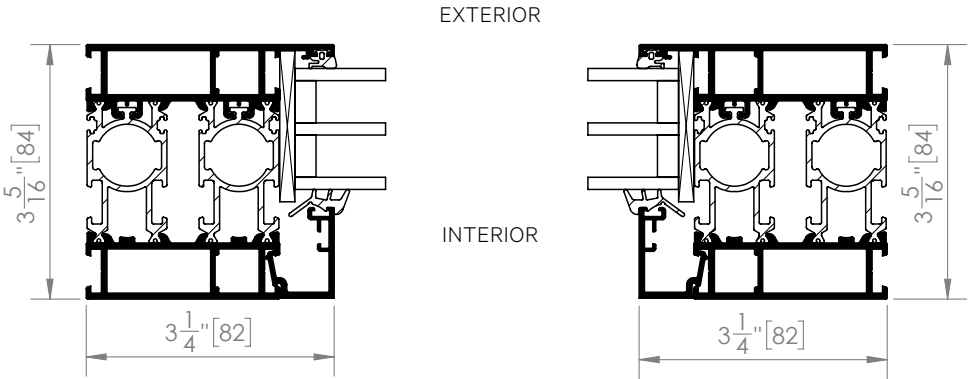
Elevation



NW Fixed 810 Wide Frame to Match NW Aluminum 840 and NW Reinforced 847

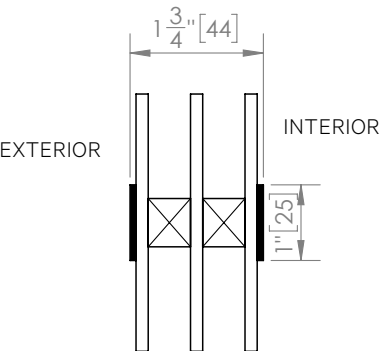
(Mulling engineering by others).

Horizontal Cross-Section



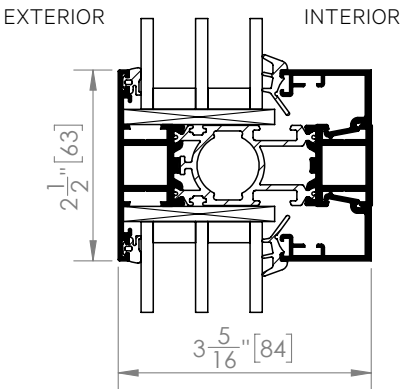
Typical Simulated Divided Lites (SDL)

(Available in horizontal and vertical patterns of choice)



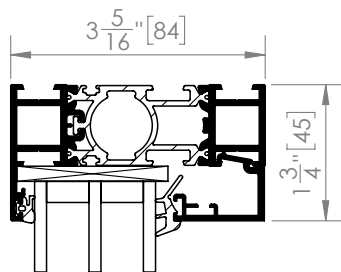
Typical Mullion Profile

(Available in horizontal and vertical patterns of choice)



NW Fixed 810 Narrow Frame to Match NW Aluminum 840 and NW Reinforced 847

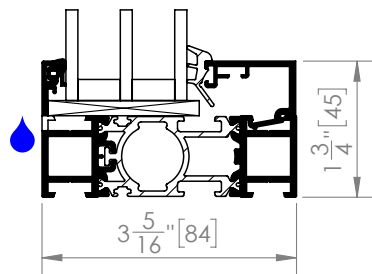
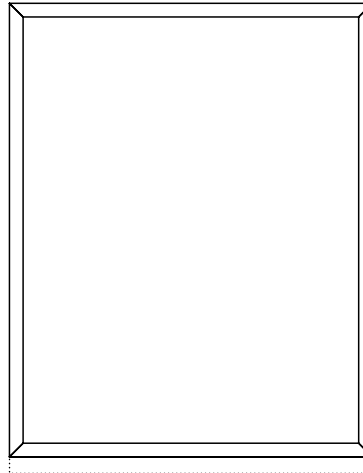
(Mulling engineering by others).

Narrow Frame

Vertical Cross-Section

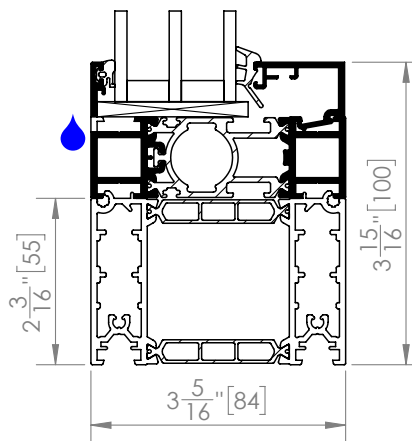
EXTERIOR

INTERIOR

**Elevation****Narrow Frame to Match NW Aluminum 840 and NW MultiSlide 630**

EXTERIOR

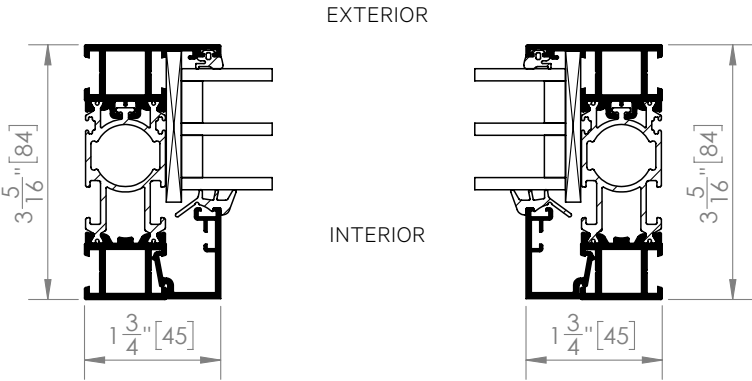
INTERIOR



NW Fixed 810 Narrow Frame to Match NW Aluminum 840 and NW Reinforced 847

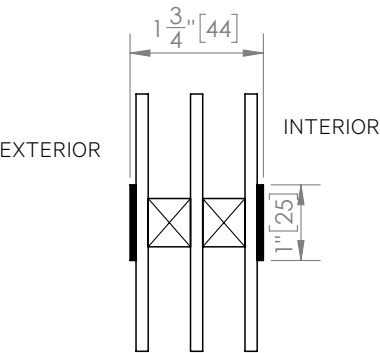
(Mulling engineering by others).

Horizontal Cross-Section



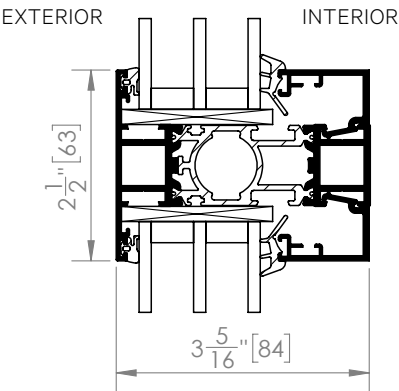
Typical Simulated Divided Lites (SDL)

(Available in horizontal and vertical patterns of choice)



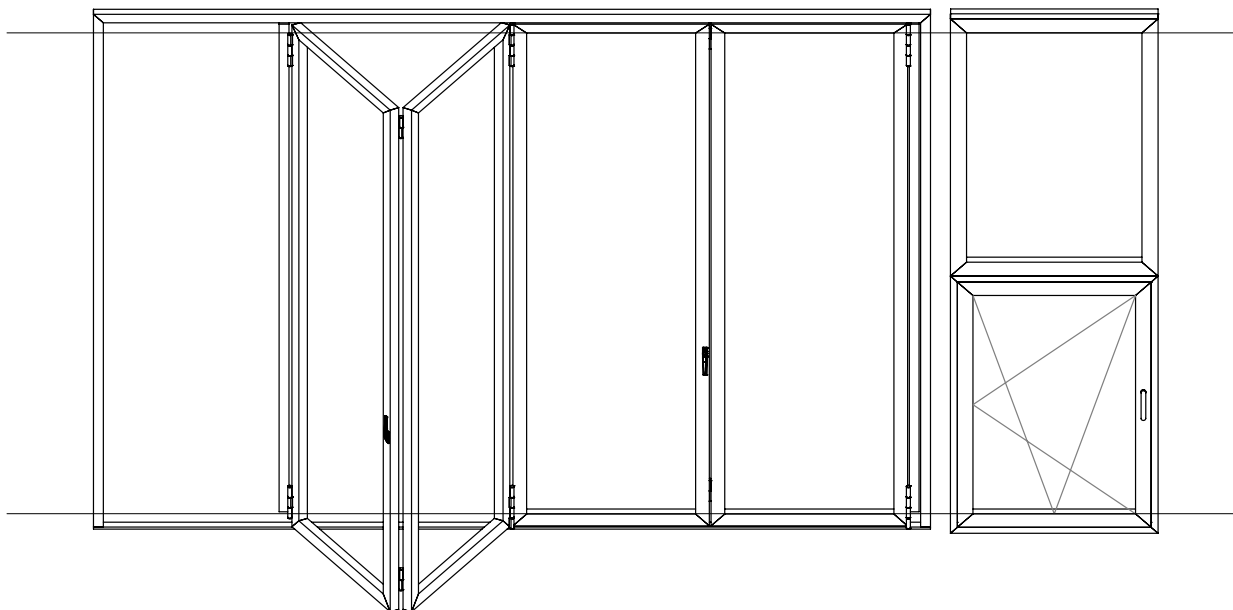
Typical Mullion Profile

(Available in horizontal and vertical patterns of choice)

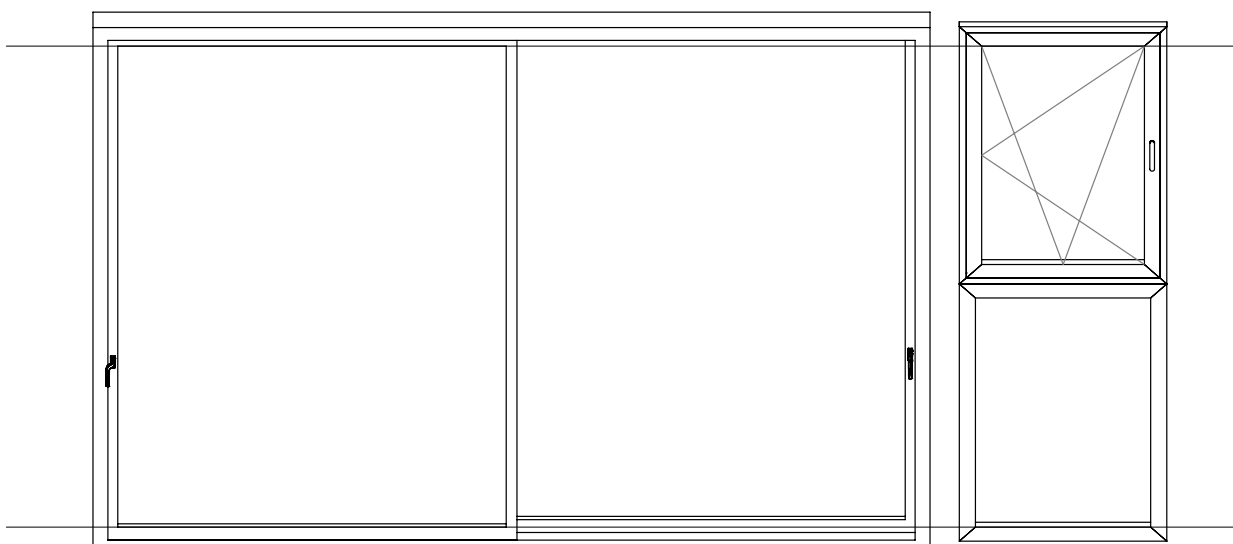


Generation 4 Aluminum Framed Tilt Turn and Fixed Windows Offer Matching Glass Lines with the Folding and MultiSlide Systems

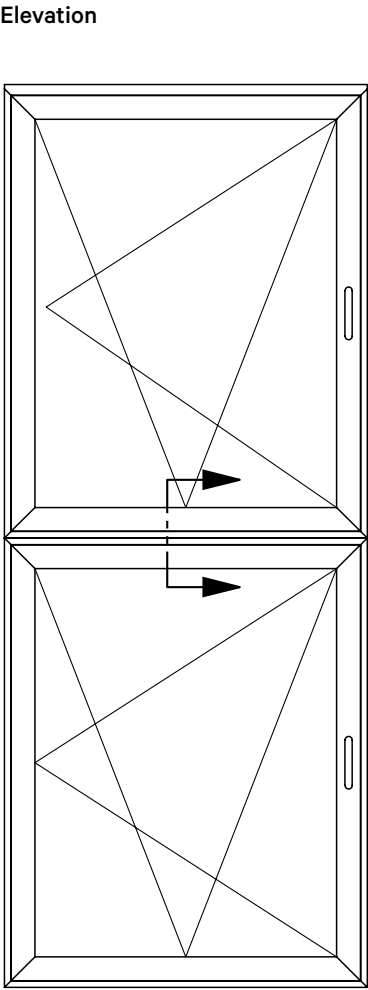
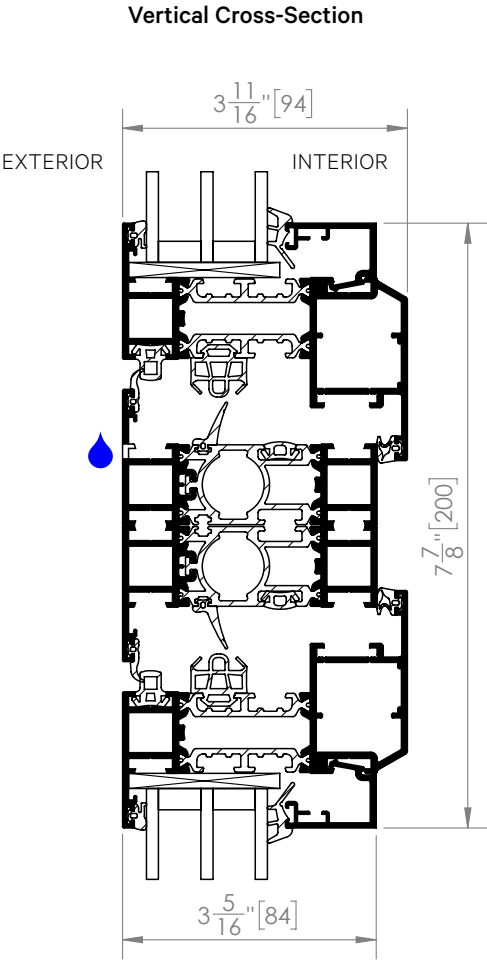
NW Aluminum 840 and NW Fixed 810 Wide Frame with Extension Profile Mulled with NW TiltTurn 820 Narrow Frame



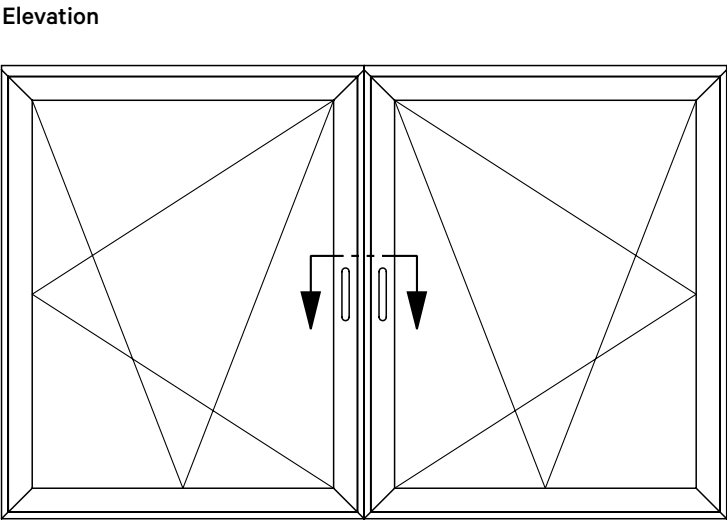
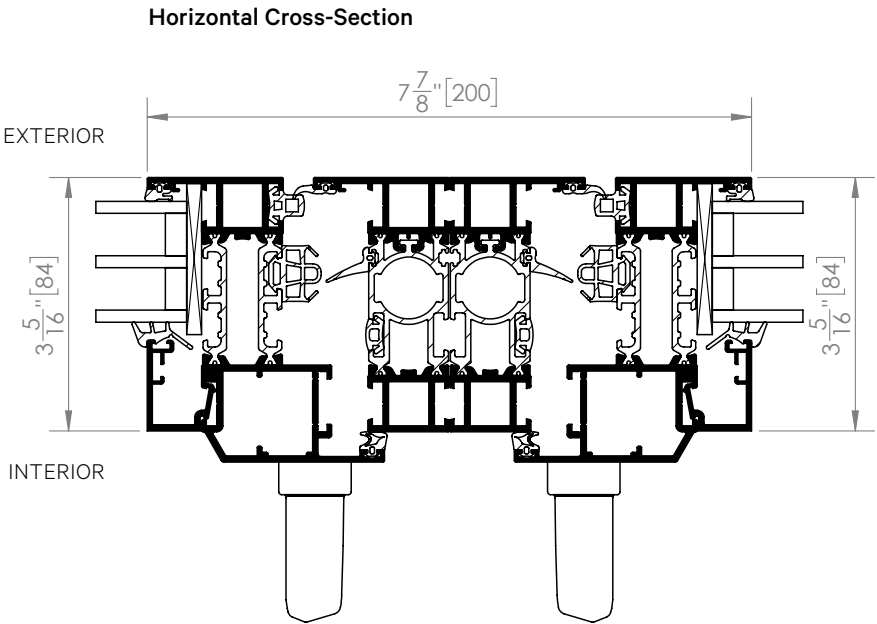
NW MultiSlide 630 and NW TiltTurn 820 Narrow Frame with Extension Profile Mulled with NW Fixed 810 Wide Frame



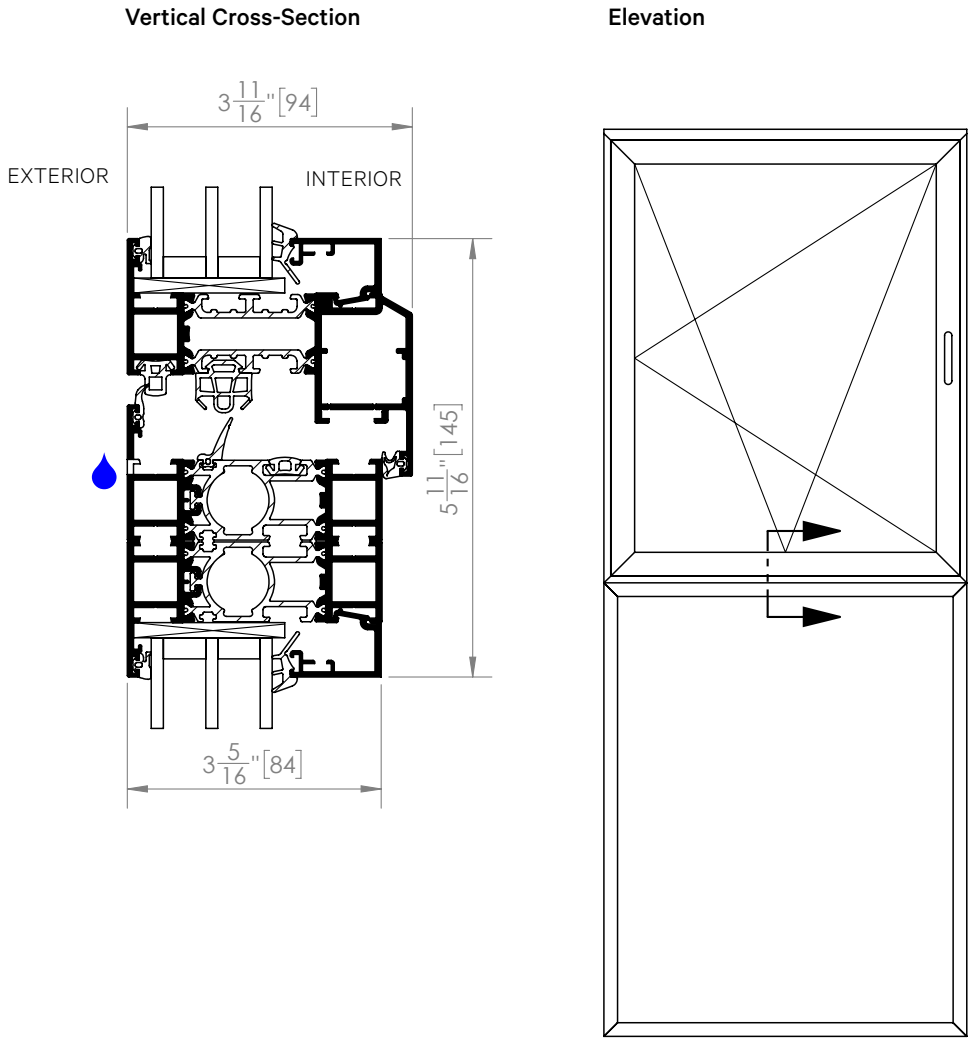
NW TiltTurn 820 Narrow Frame Mulled with NW TiltTurn 820 Narrow Frame



NW TiltTurn 820 Narrow Frame Mulled with NW TiltTurn 820 Narrow Frame

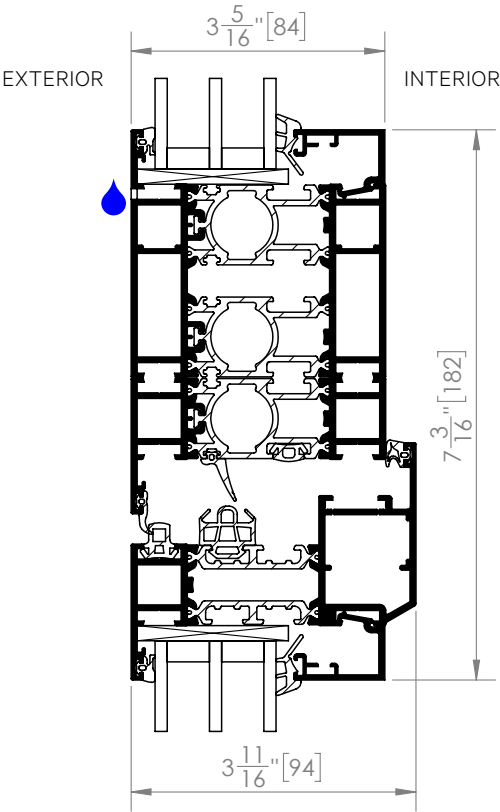


NW TiltTurn 820 Narrow Frame Mulled with NW Fixed 810 Narrow Frame

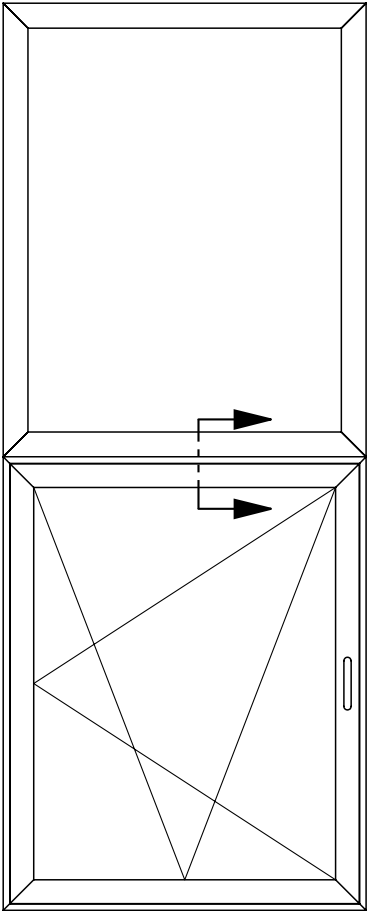


NW Fixed 810 Wide Frame Mulled with NW TiltTurn 820 Narrow Frame

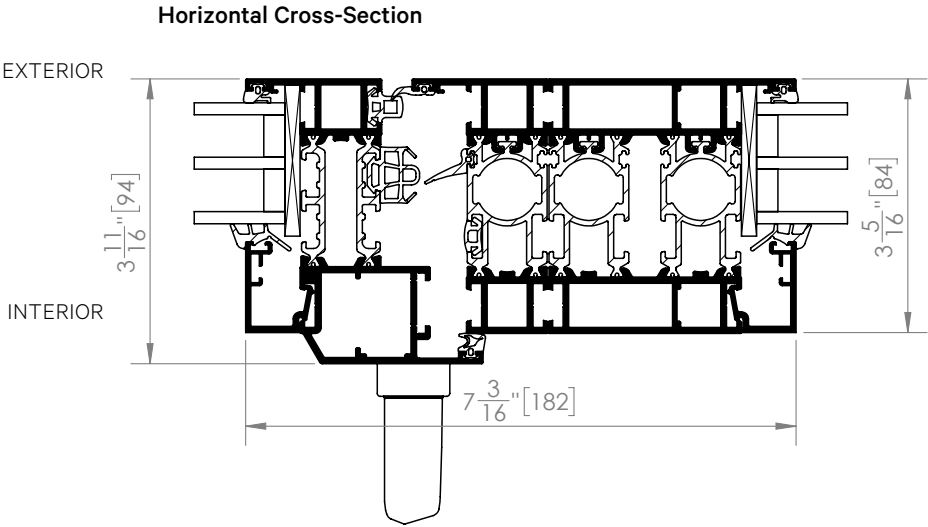
Vertical Cross-Section



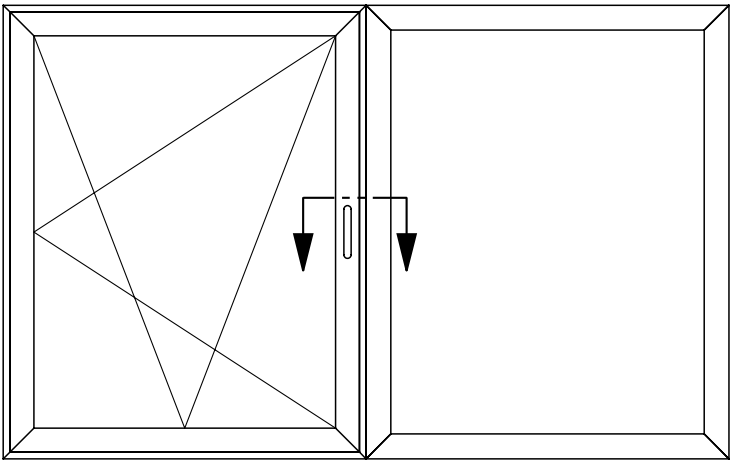
Elevation



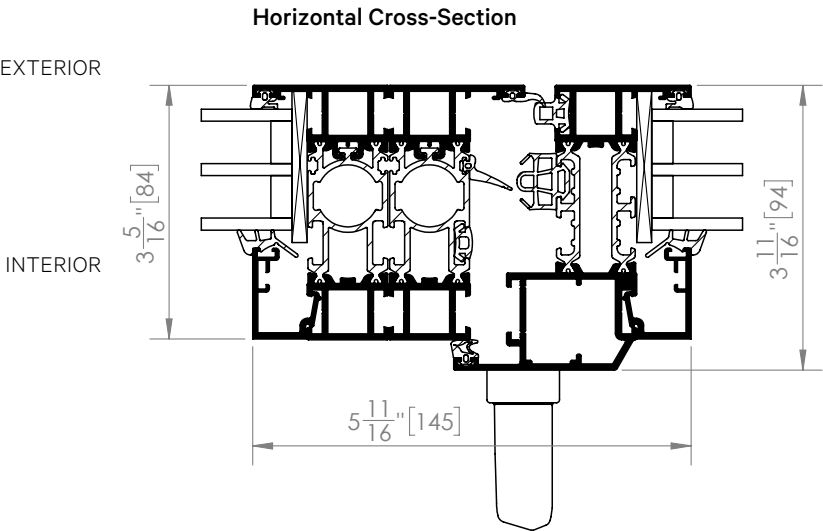
NW TiltTurn 820 Narrow Frame Mulled with NW Fixed 810 Wide Frame



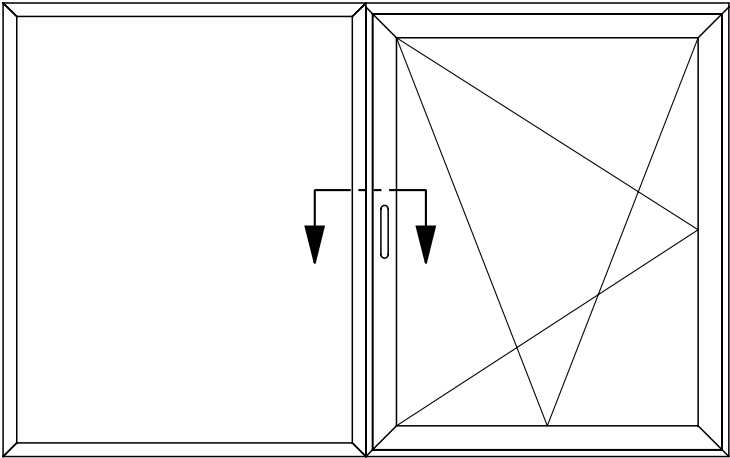
Elevation



NW Fixed 810 Narrow Frame Mulled with NW TiltTurn 820 Narrow Frame



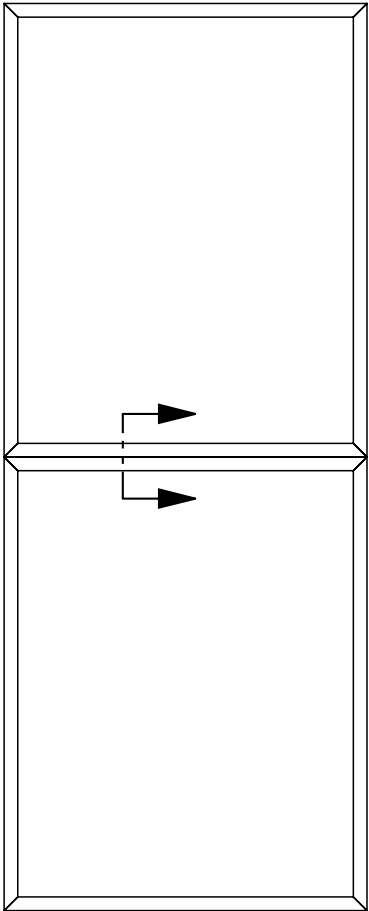
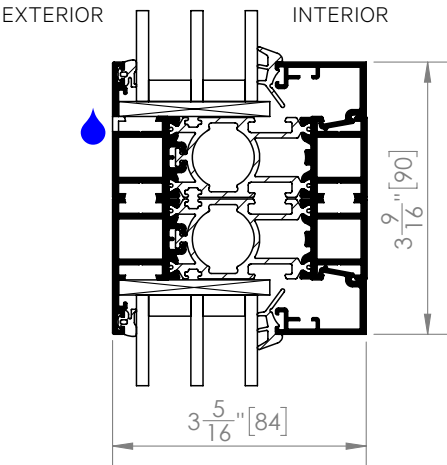
Elevation



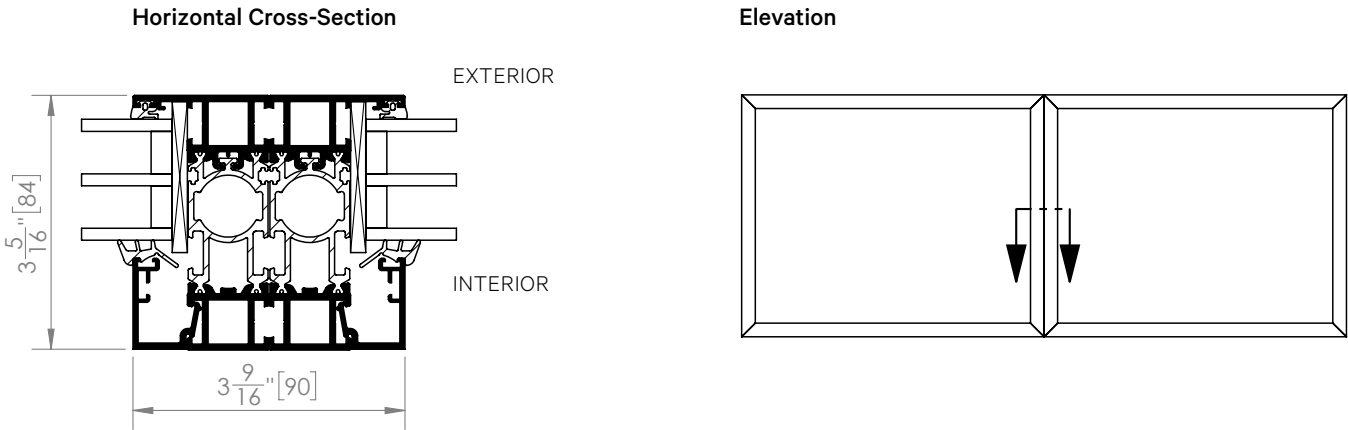
NW Fixed 810 Narrow Frame Mulled with NW Fixed 810 Narrow Frame

Vertical Cross-Section

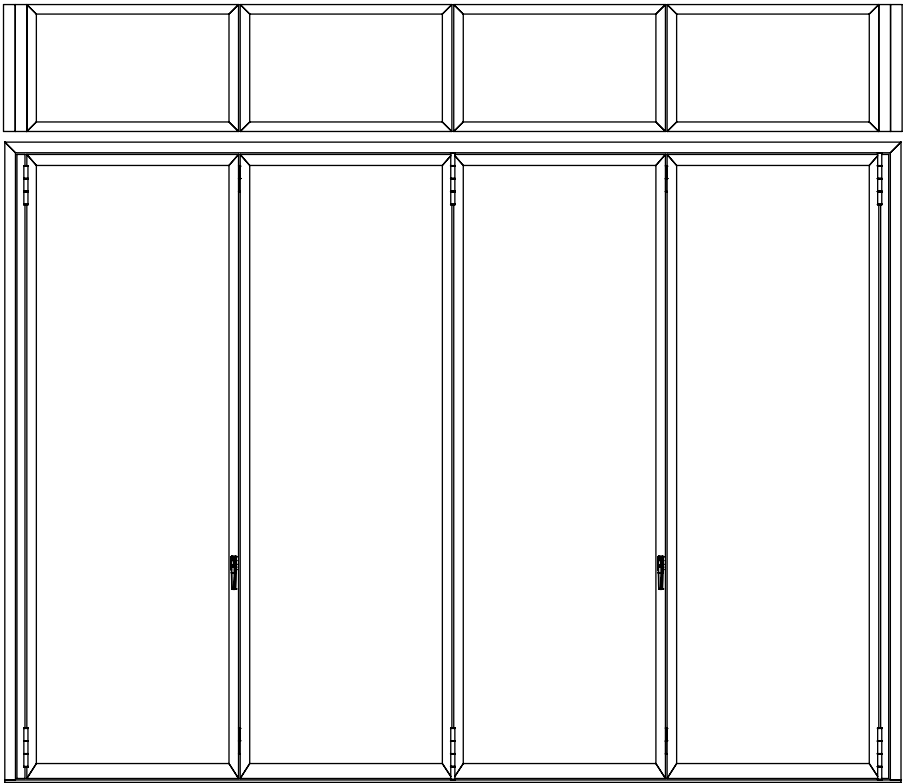
Elevation



NW Fixed 810 Narrow Frame Mulled with NW Fixed 810 Narrow Frame



NW Aluminum 840 and NW Fixed 810 Narrow Frame with Extension Profiles

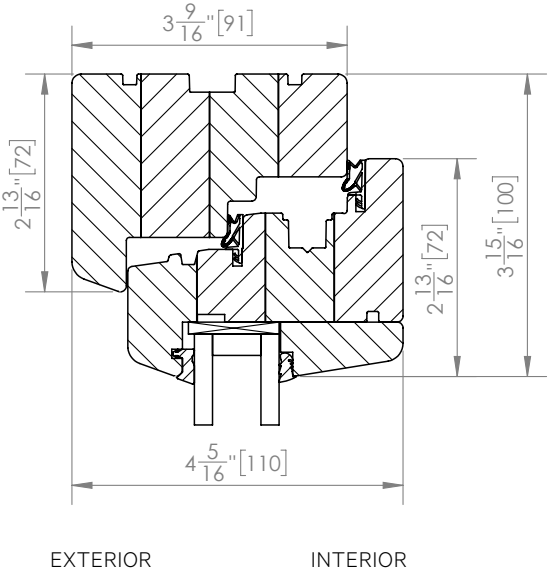


NW TILTTURN 520

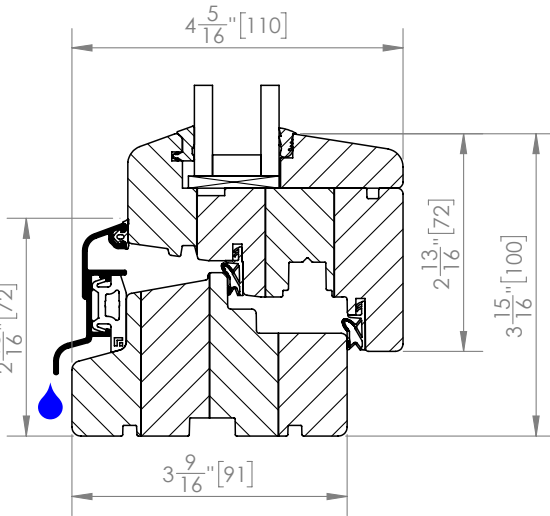
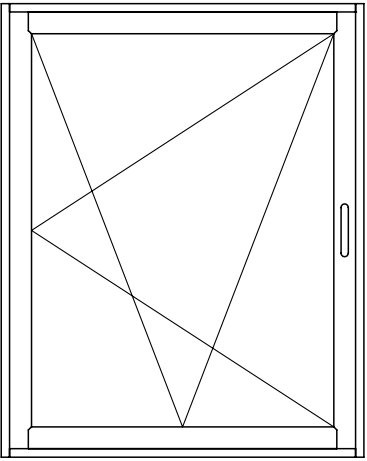
NW TiltTurn 520 Wide Frame to Match NW Wood 540 and NW Acoustical 545

(Available as a single window or multiple unit - mulling engineering by others).

Vertical Cross-Section

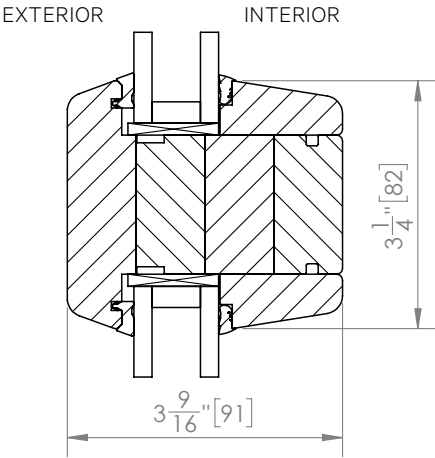


Elevation



Typical Mullion Profile

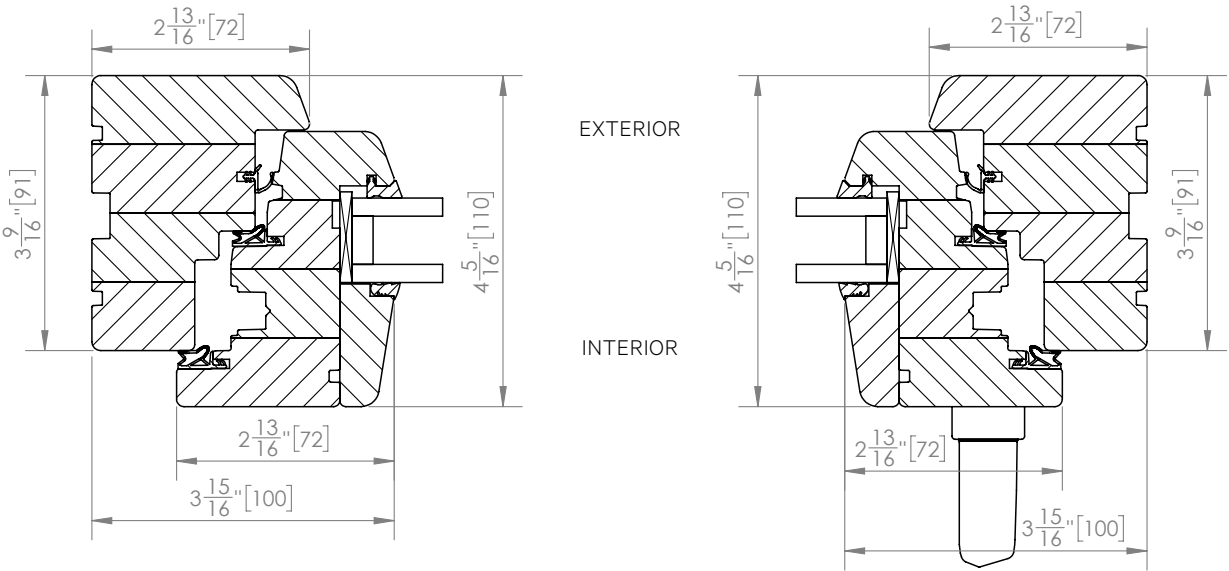
(Available in horizontal and vertical patterns of choice)



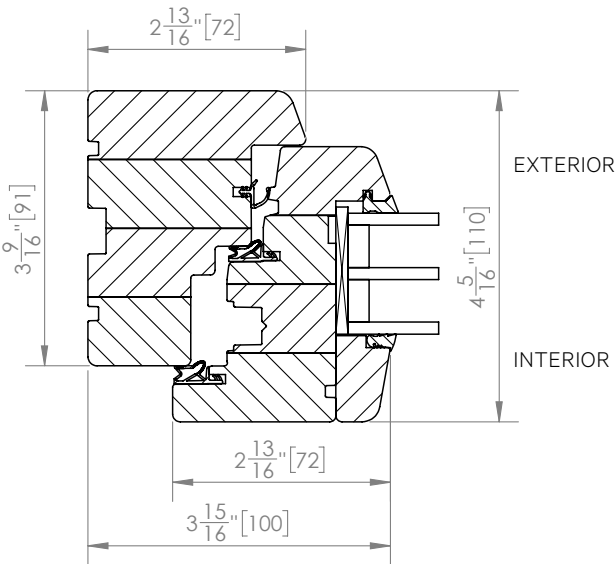
NW TiltTurn 520 Wide Frame to Match NW Wood 540 and NW Acoustical 545

(Available as a single window or multiple unit - mulling engineering by others).

Horizontal Cross-Section

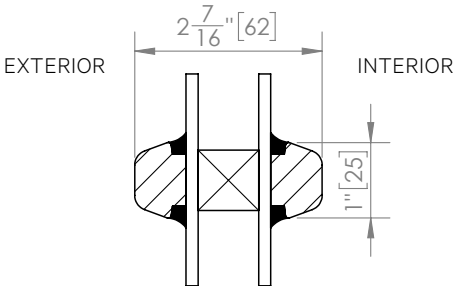


Typical Glass Stop Profile with Triple Glazing



Typical Simulated Divided Lites (SDL)

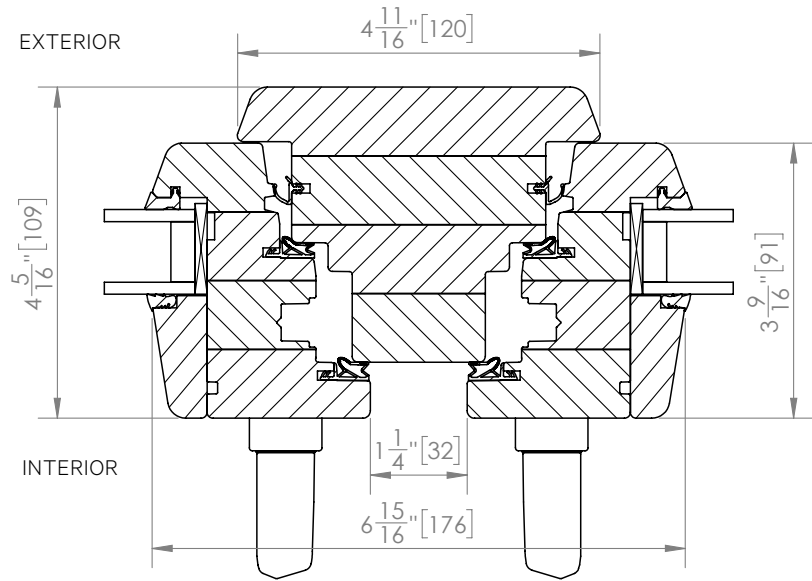
(Available in horizontal and vertical patterns of choice)



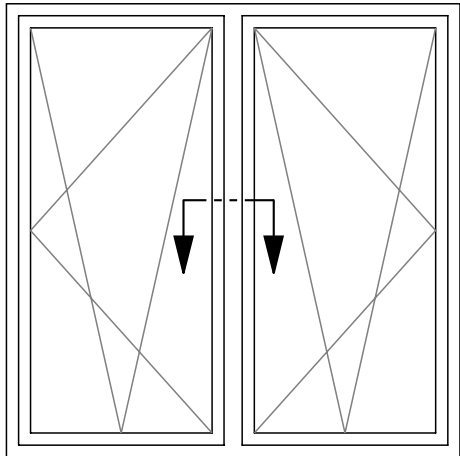
NW TiltTurn 520 to Match NW Wood 540 and NW Acoustical 545

(Mulling engineering by others).

Horizontal Cross-Section

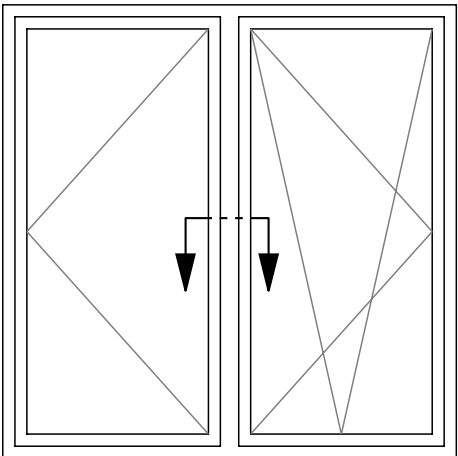


Elevation



Tilt Turn + Tilt Turn with fixed post in the middle

Elevation



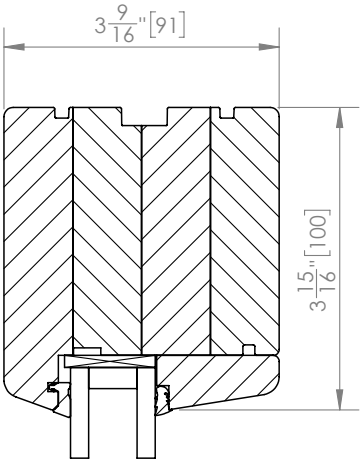
Turn + Tilt Turn with fixed post in the middle

NW FIXED 510

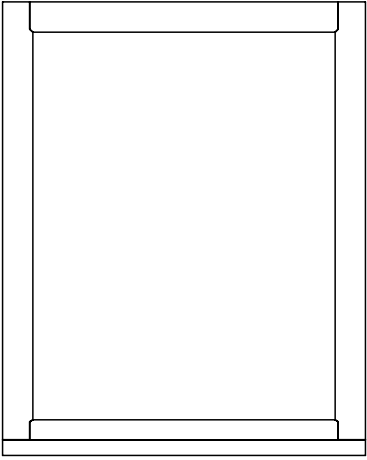
NW Fixed 510 Wide Frame to Match NW Wood 540 and NW Acoustical 545

(Mulling engineering by others).

Vertical Cross-Section

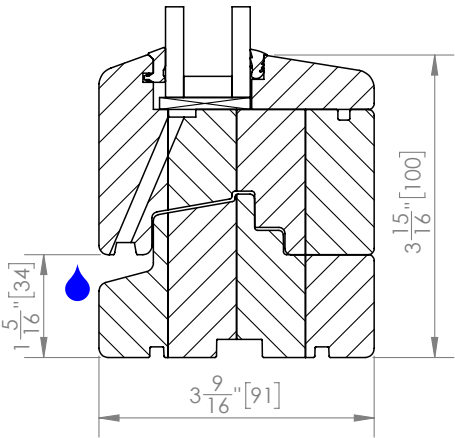


Elevation



Vertical Cross-Section

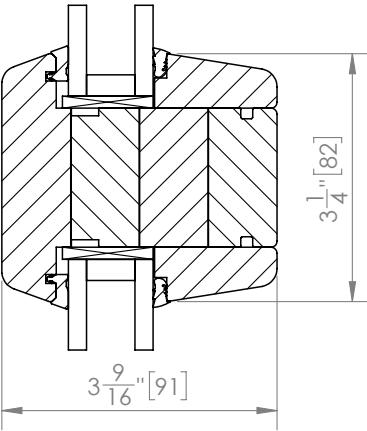
EXTERIOR INTERIOR



Typical Mullion Profile

(Available in horizontal and vertical patterns of choice)

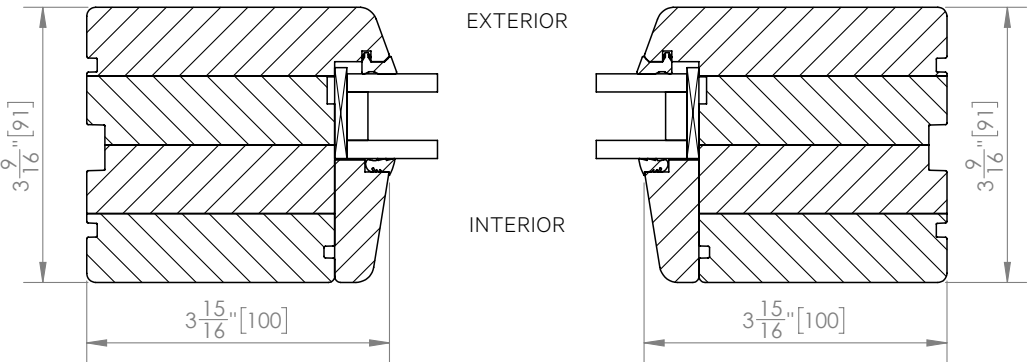
EXTERIOR INTERIOR



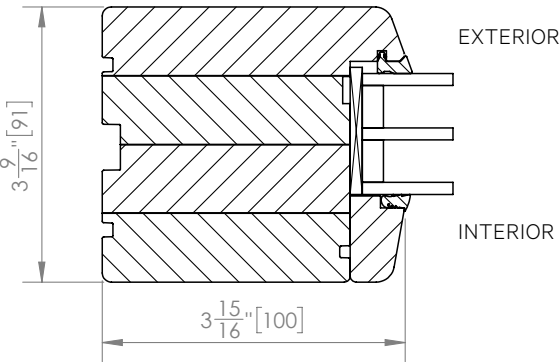
NW Fixed 510 Wide Frame to Match NW Wood 540 and NW Acoustical 545

(Mulling engineering by others).

Horizontal Cross-Section

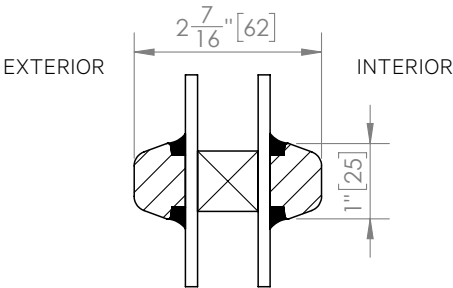


Typical Glass Stop Profile with Triple Glazing



Typical Simulated Divided Lites (SDL)

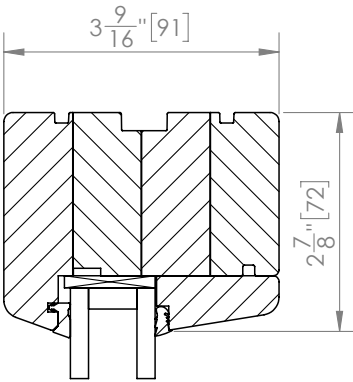
(Available in horizontal and vertical patterns of choice)



NW Fixed 510 Narrow Frame to Match NW Wood 540 and NW Acoustical 545

(Mulling engineering by others).

Vertical Cross-Section

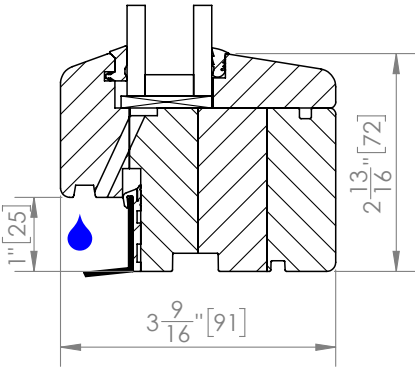
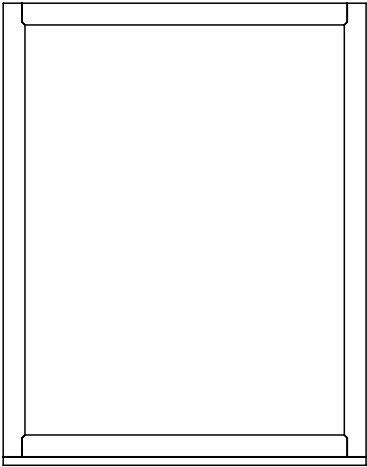


Vertical Cross-Section

EXTERIOR

INTERIOR

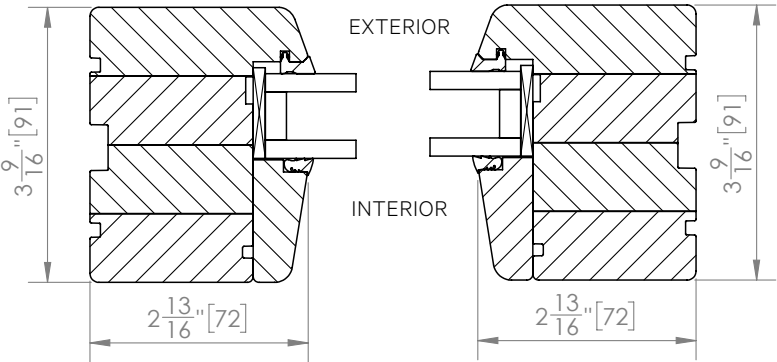
Elevation



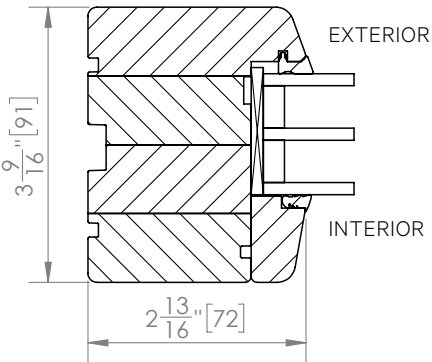
NW Fixed 510 Narrow Frame to Match NW Wood 540 and NW Acoustical 545

(Mulling engineering by others).

Horizontal Cross-Section

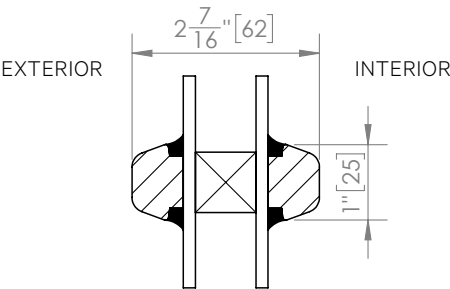


Typical Glass Stop Profile with Triple Glazing



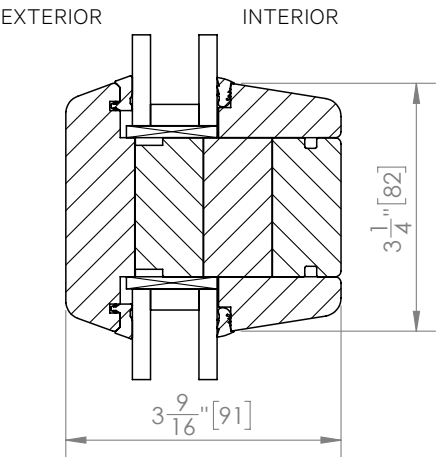
Typical Simulated Divided Lites (SDL)

(Available in horizontal and vertical patterns of choice)



Typical Mullion Profile

(Available in horizontal and vertical patterns of choice)

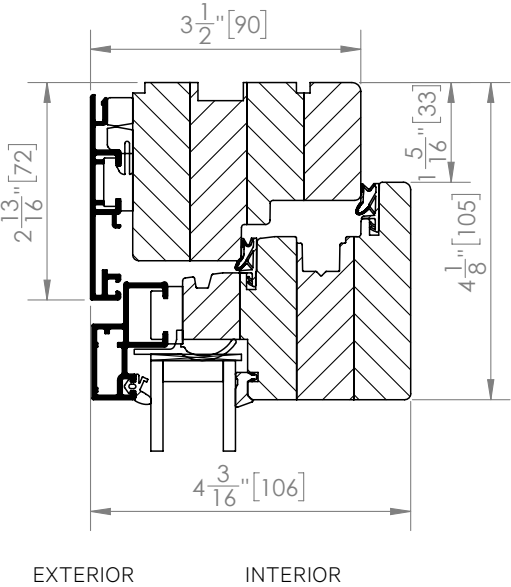


NW TILTURN 720

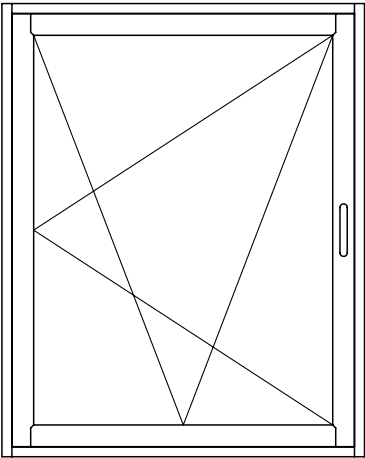
NW TiltTurn 720 Wide Frame to Match NW Clad 740

(Available as a single window or multiple unit - Mulling engineering by others).

Vertical Cross-Section

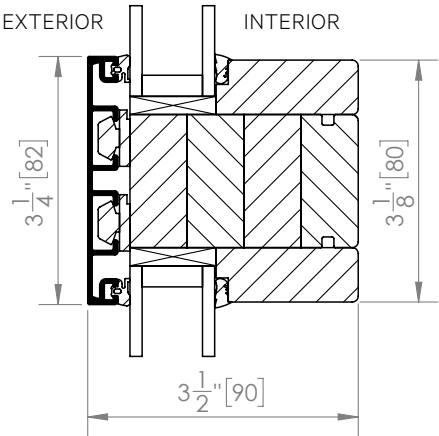
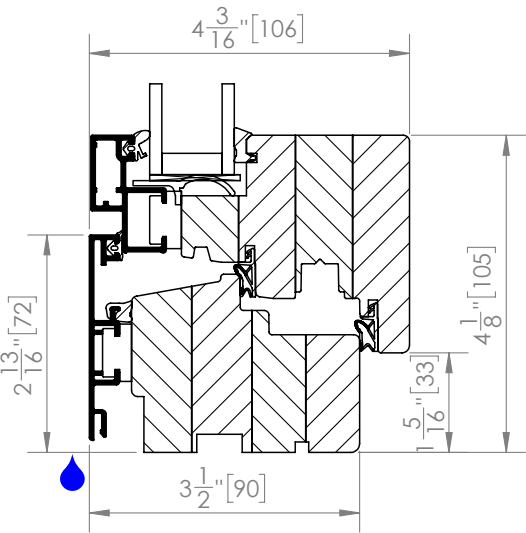


Elevation



Typical Mullion Profile

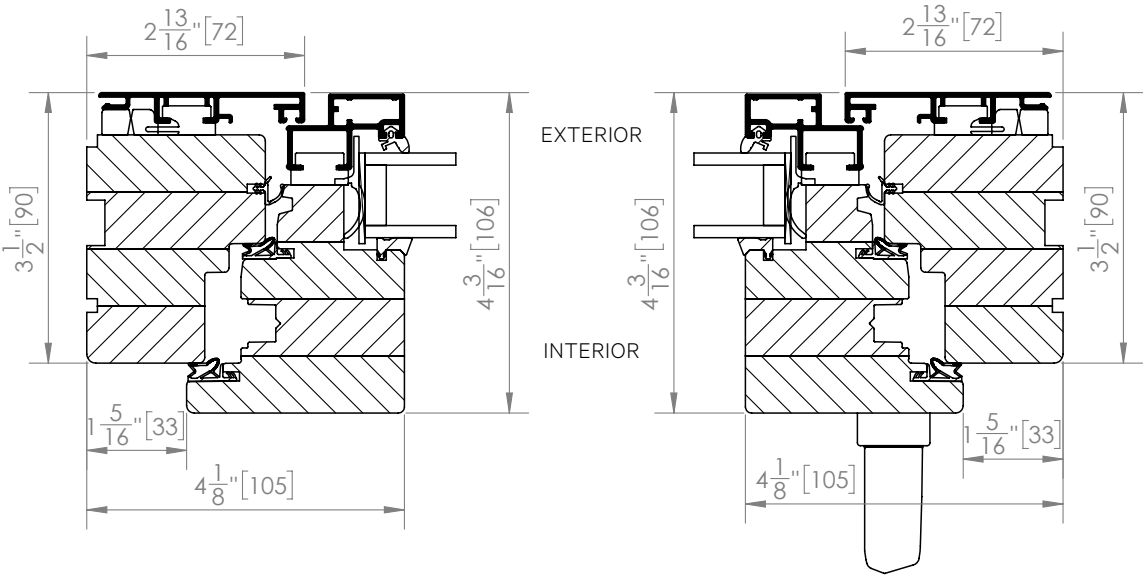
(Available in horizontal and vertical patterns of choice)



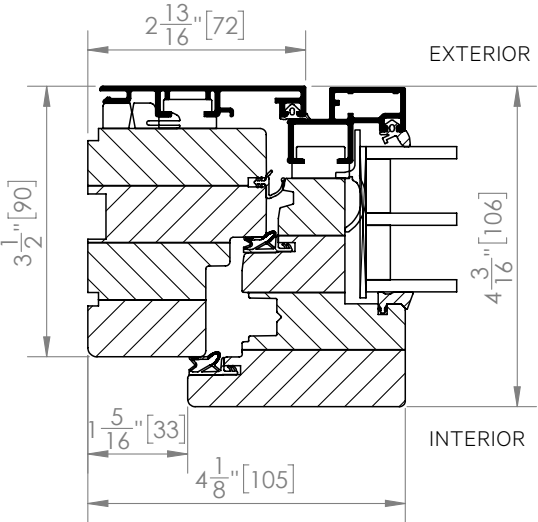
NW TiltTurn 720 Wide Frame to Match NW Clad 740

(Available as a single window or multiple unit - Mulling engineering by others).

Horizontal Cross-Section

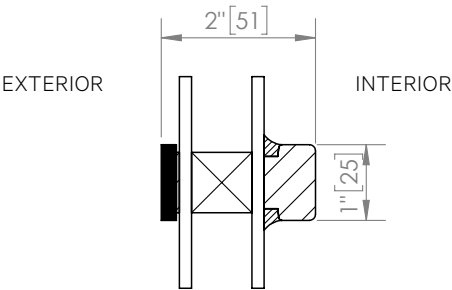


Typical Glass Stop Profile with Triple Glazing



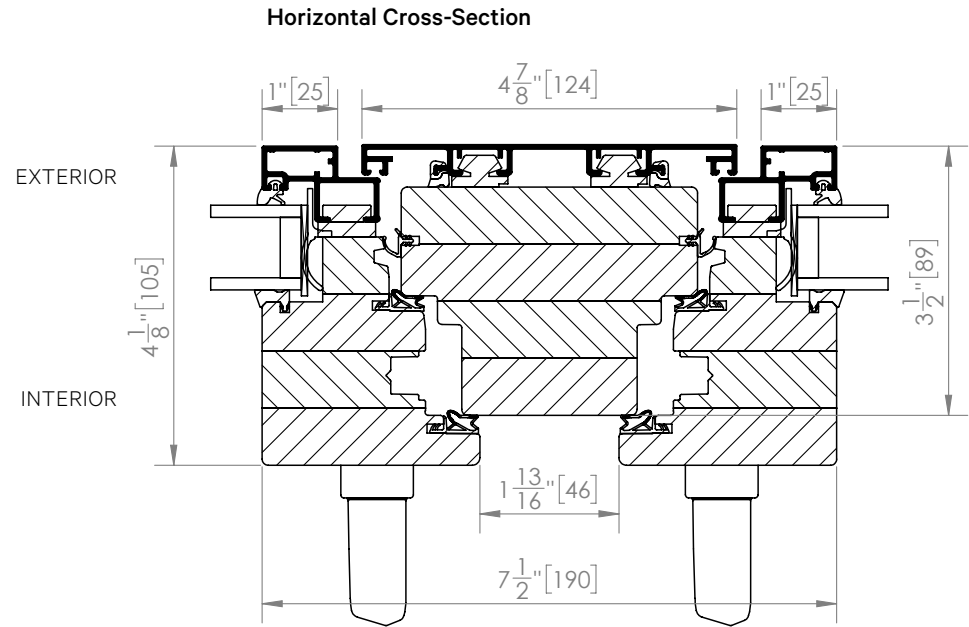
Typical Simulated Divided Lites (SDL)

(Available in horizontal and vertical patterns of choice)

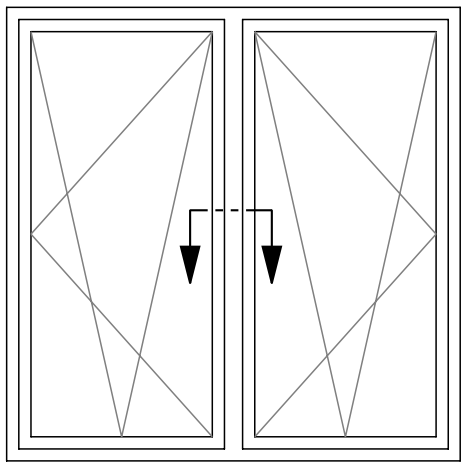


NW TiltTurn 720 to Match NW Clad 740

(Mulling engineering by others).

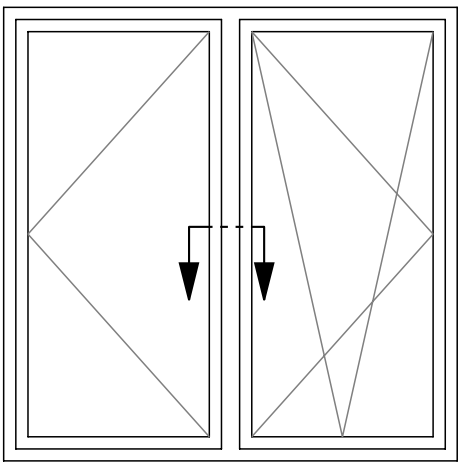


Elevation



Tilt Turn + Tilt Turn with fixed post
in the middle

Elevation



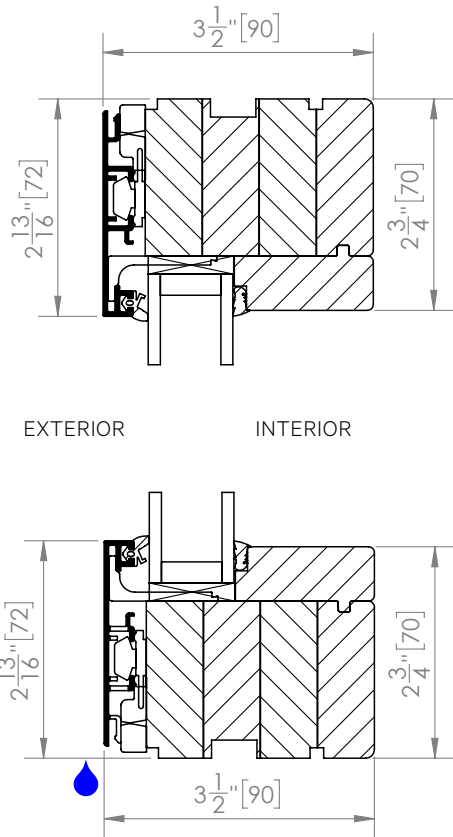
Turn + Tilt Turn with fixed post
in the middle

NW FIXED 710

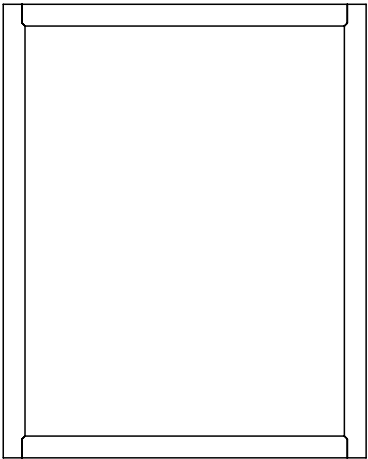
NW Fixed 710 Wide Frame to Match NW Clad 740

(Mulling engineering by others).

Vertical Cross-Section



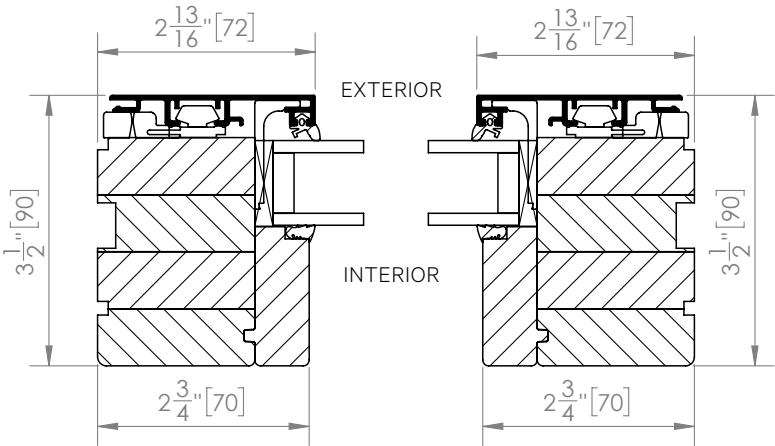
Elevation



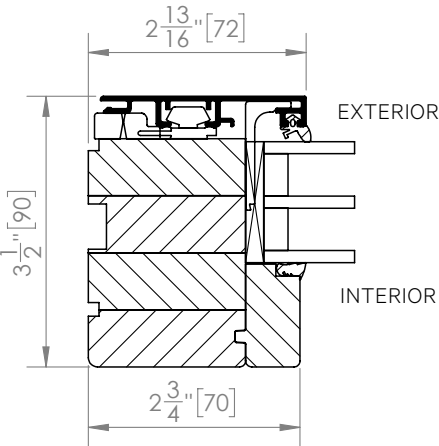
NW Fixed 710 Wide Frame to Match NW Clad 740

(Mulling engineering by others).

Horizontal Cross-Section

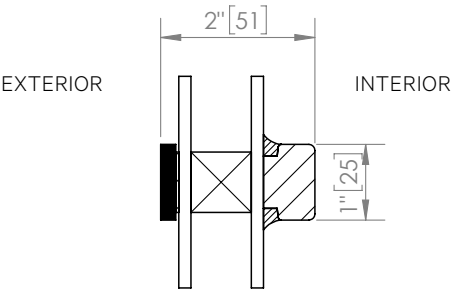


Typical Glass Stop Profile with Triple Glazing



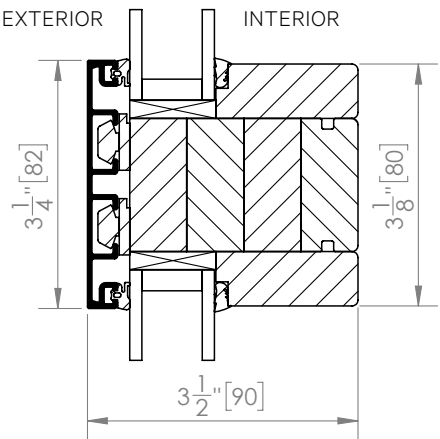
Typical Simulated Divided Lites (SDL)

(Available in horizontal and vertical patterns of choice)



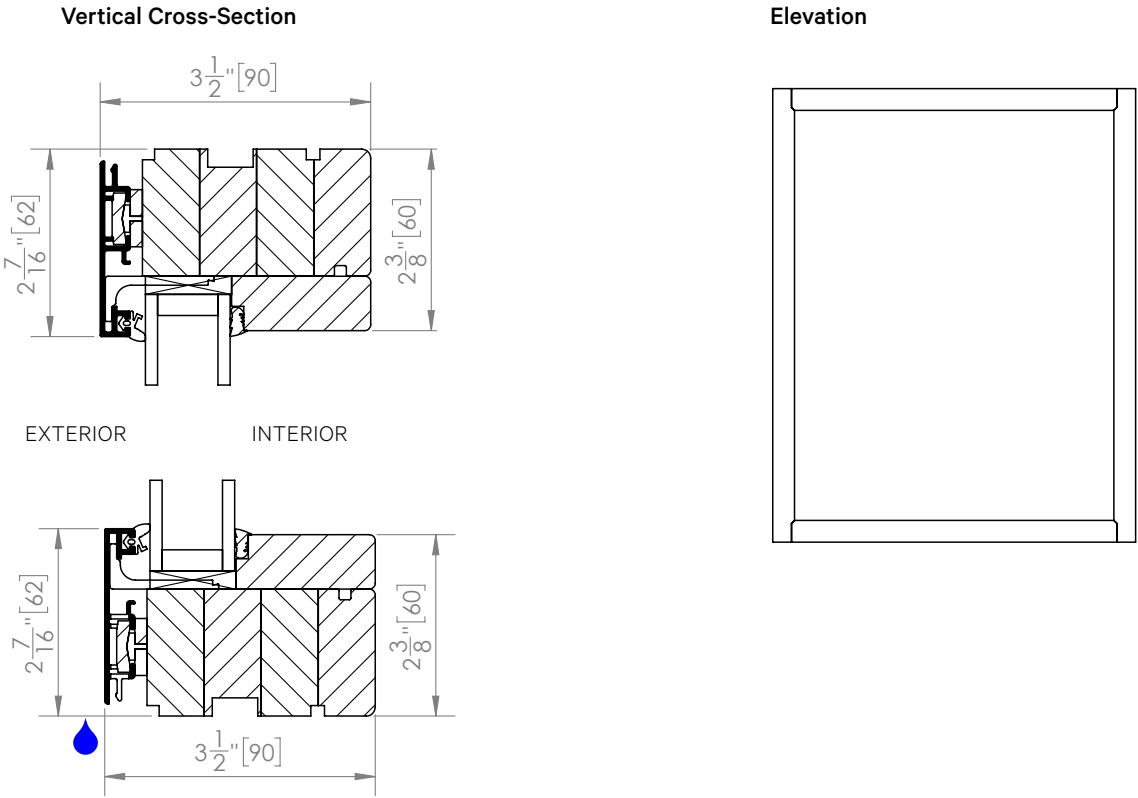
Typical Mullion Profile

(Available in horizontal and vertical patterns of choice)



NW Fixed 710 Narrow Frame to Match NW Clad 740

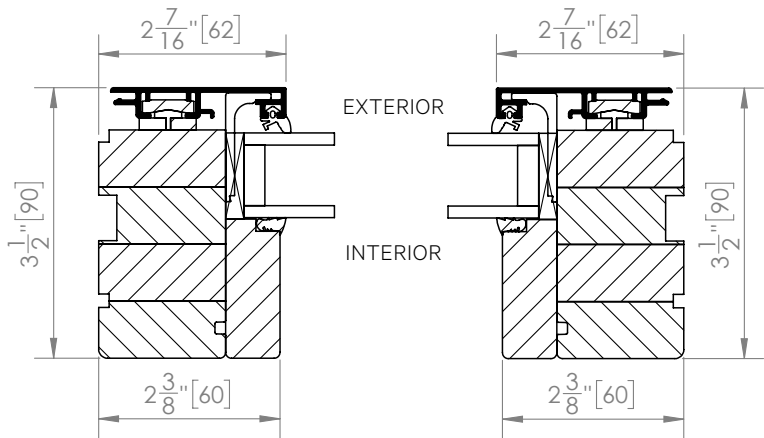
(Mulling engineering by others).



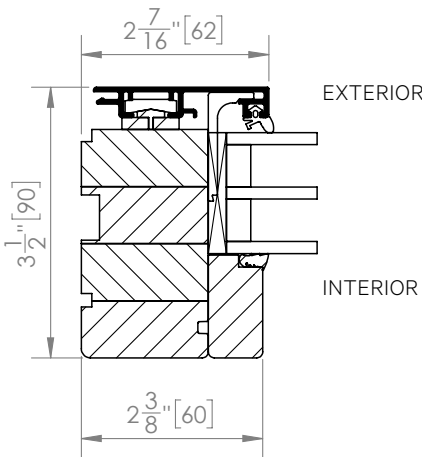
NW Fixed 710 Narrow Frame to Match NW Clad 740

(Mulling engineering by others).

Horizontal Cross-Section

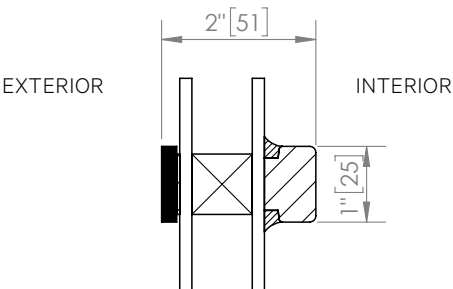


Typical Glass Stop Profile with Triple Glazing



Typical Simulated Divided Lites (SDL)

(Available in horizontal and vertical patterns of choice)



Typical Mullion Profile

(Available in horizontal and vertical patterns of choice)

