



Zemst Private Residence  
Architect: Hans Van Buggenhout  
Photographer: Hendrik Blegs

# SLIM LINE SL 38 WINDOWS

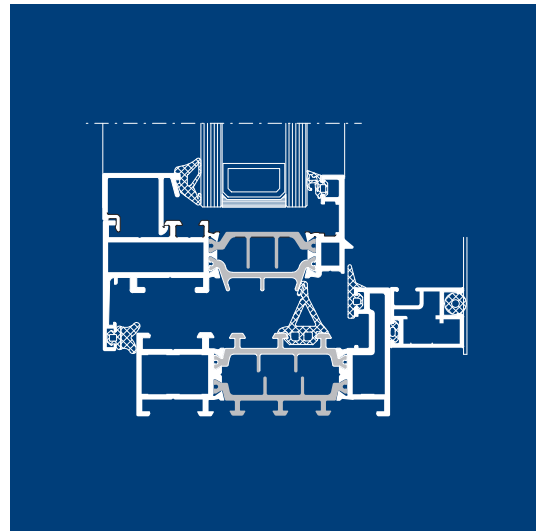
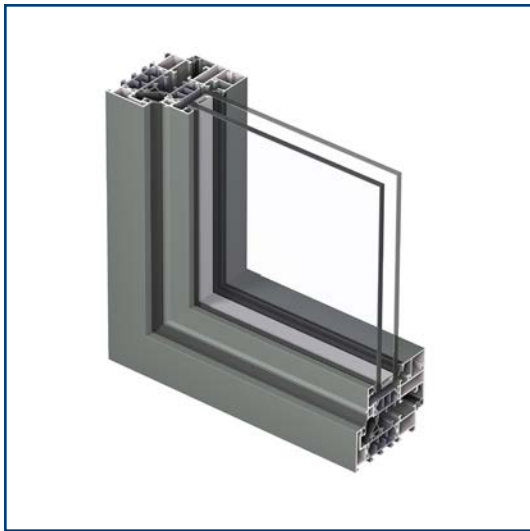
## ELEMENT DESIGN SERIES PRODUCT GUIDE



Oorbeek Private Residence  
Architect: Mieke Gerolf  
Photographer: Debbie Debrauwer



## SL 38 WINDOWS OVERVIEW



**Slim Line SL 38 Windows** offered within the **Element Design Series** feature fixed and inward opening units which combine elegance and comfort. The unique, slender profile is the perfect solution for any modern architecture. It is ideal for renovating or replacing steel-framed windows while respecting the original design but offering a thermally improved solution. Units are available with Cubic frames and Cubic & Classic vents to perfectly match the architectural aspect of any building. Sourced with double glazing these windows maintain an ultra-slim look with superior insulating capabilities which create a perfect harmony between durable material, clean design and demanding architectural challenges.

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# CONFIGURATION OPTIONS





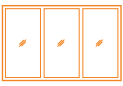
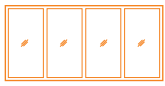
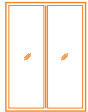
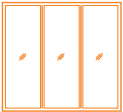
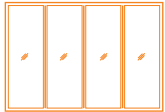
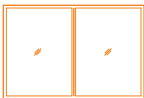
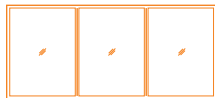
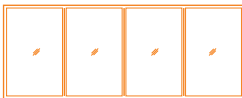
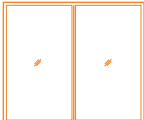
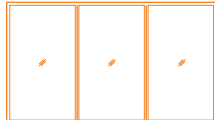
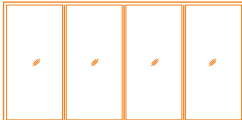
## FIXED WINDOWS



### FIXED WINDOW CONFIGURATIONS & FEATURES

- Cubic Frame & Mullion Design
- Picture Window, Standard Horizontal, Standard Vertical & Vertical Reinforced TDL Mullions
- Prescriptive Single, 2, 3, 4 Mullied Configurations
- Endless Coupled Configurations Possible

### FIXED WINDOW CONFIGURATION OPTIONS

Picture		 	
	Single Panel Picture Window	2 Panel	3 Panel
Vertical	  		
	2 Panel	3 Panel	4 Panel
Vertical	  		
	2 Panel	3 Panel	4 Panel
Vertical	  		
	2 Panel	3 Panel	4 Panel
Vertical	  		
	2 Panel	3 Panel	4 Panel

# CONFIGURATION OPTIONS

## INWARD OPENING WINDOWS



### INWARD OPENING WINDOW CONFIGURATIONS & FEATURES

- Standard Vertical & Horizontal TDL Windows
- Tilt-Turn & Hopper Operating Options
- Prescriptive Single & 2 Panel Mullered Configurations
- Prescriptive 3 & 4 Panel Mullered-Coupled Configurations
- Endless Coupled Configurations Possible
- Cubic Frame & Mullion Design
- Cubic, Classic Small & Classic Medium Vent Design Options
- Optional Fly-Screens
- Open In

### FIXED WINDOW CONFIGURATION OPTIONS

Cubic Vent	Small Classic	Medium Classic	Cubic Vent	Small Classic	Medium Classic
Single Panel   Tilt-Turn			Single Panel   Hopper		
Cubic Vent	Small Classic	Medium Classic	Cubic Vent	Small Classic	Medium Classic
2 Panel Combination   Fixed - Tilt-Turn			2 Panel Combination   Fixed - Hopper		
Cubic Vent	Small Classic	Medium Classic	Cubic	Small Classic	
Fixed - Tilt-Turn - w/Coupled Picture 4 Panel - Combination			Fixed - Tilt-Turn - Fixed w/Coupled Picture 4 Panel - Combination		

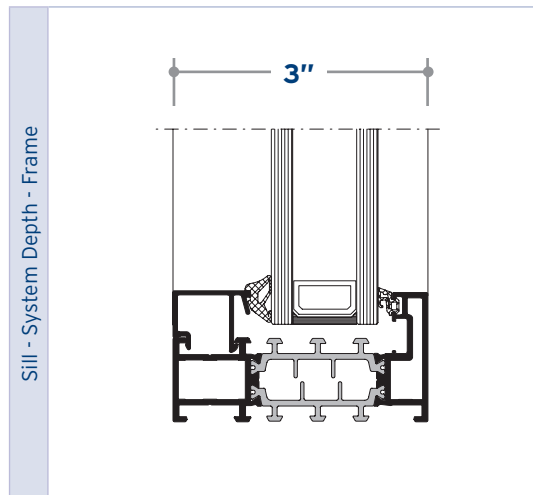
# CONFIGURATION DIMENSIONS

## FIXED WINDOWS



### CONFIGURATION (MIN-MAX) DIMENSIONS

		Panel Size		2 Panel Window		3 Panel Window		4 Panel Window									
		Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.								
Picture Window (Tall Panel)	Width	12"	85"														
	Height	12"	120"														
Picture Window (Wide Panel)	Width	12"	120"														
	Height	12"	85"														
TDL - Standard Horizontal Mullion	Width	12"	75"	12"	75"	12"	75"										
	Height	12"	40"	24"	80"	36"	120"										
TDL - Standard Vertical Mullion	Width	12"	40"	24"	80"	36"	120"	48"	160"								
	Height	12"	75"	12"	75"	12"	75"	12"	75"								
TDL - Reinforced 60mm Vertical Mullion (Tall Panel)	Width	12"	40"	24"	80"	36"	120"	48"	160"								
	Height	75"	100"	75"	100"	75"	100"	75"	100"								
TDL - Reinforced 60mm Vertical Mullion (Wide Panel)	Width	40"	70"	80"	140"	120"	210"	160"	240"								
	Height	12"	90"	12"	90"	12"	90"	12"	90"								
TDL - Reinforced 100mm Vertical Mullion	Width	12"	50"	24"	100"	36"	150"	48"	200"								
	Height	90"	120"	90"	120"	90"	120"	90"	120"								



# CONFIGURATION DIMENSIONS

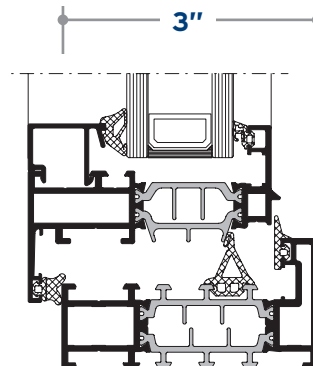
## INWARD OPENING WINDOWS



### CONFIGURATION (MIN-MAX) DIMENSIONS

		Mullied Panel Size		Cubic Vent Window		Classic Small Vent Window		Classic Medium Vent Window		Coupled Panel Size	
		Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.
Tilt-Turn Window	Width			26"	43"	26"	50"	26"	50"		
	Height			26"	64"	26"	70"	26"	88"		
Hopper Window	Width			26"	64"	26"	64"	26"	64"		
	Height			18"	48"	18"	48"	18"	48"		
2 Panel   Combo Fixed - Tilt-Turn Standard Mullion	Width	26"	40"	52"	80"	38"	80"	38"	80"		
	Height	26"	75"	12"	64"	24"	70"	36"	75"		
2 Panel   Combo Fixed - Hopper (Side-by-Side) Standard Mullion	Width	26"	40"	38"	80"	38"	80"	38"	80"		
	Height	18"	48"	18"	48"	18"	48"	18"	48"		
2 Panel   Combo Fixed - Hopper (Stacked) Standard Mullion	Width	26"	75"	26"	64"	24"	64"	24"	64"		
	Height	18"	40"	36"	80"	36"	80"	36"	80"		
3 Panel   Combo - Fixed - Tilt-Turn w/Coupled Picture Window - Standard Mullions	Width	26"	70"	52"	86"	52"	100"	52"	100"	26"	85"
	Height	26"	40"	52"	86"	52"	110"	52"	120"	26"	120"
4 Panel   Combo - Fixed - Tilt-Turn - Fixed w/Coupled Picture Window Standard. Mullions	Width	26"	70"	52"	86"	52"	100"			26"	85"
	Height	26"	40"	78"	120"	78"	120"			26"	120"

Sill - System Depth - Frame



# PROFILE DIMENSIONS & DIAGRAMS

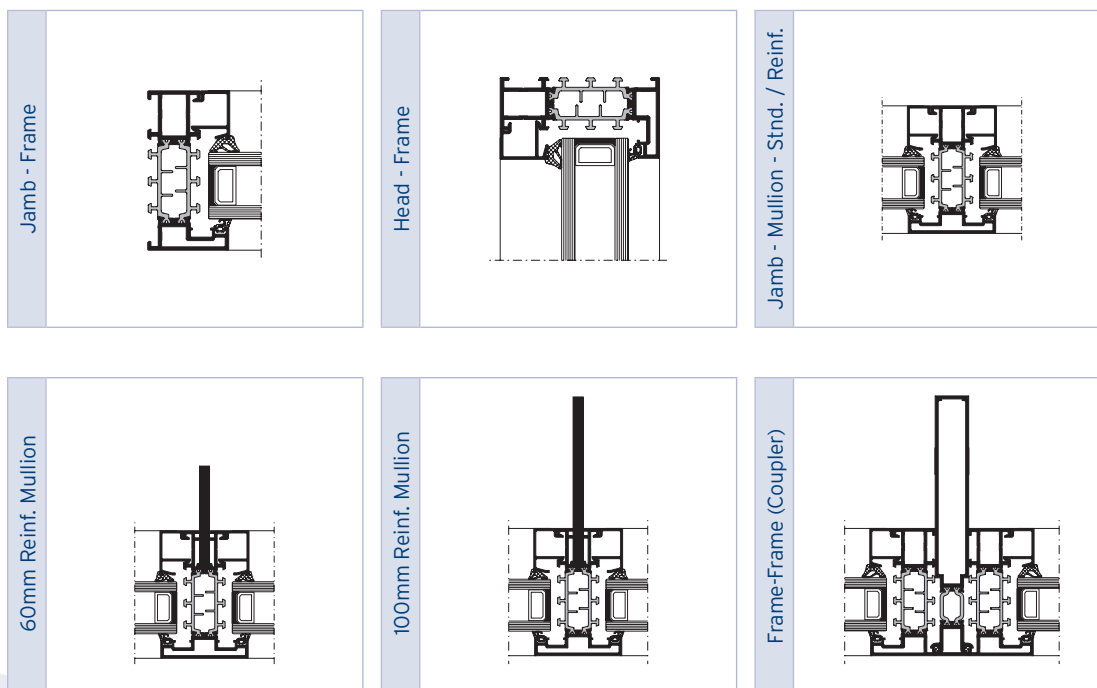
## FIXED WINDOWS



### PROFILE DIMENSIONS

Visible Width			System Depth				
Frame	TDL Mullion Std. / Reinf.	Frame-Frame w/Coupler	Frame	Std. Mullion	60mm Reinf. Mullion	100mm Reinf. Mullion	Frame-Frame w/Coupler
1 1/2"	2 1/8"	3 13/16"	3"		4 9/16" (1 9/16")	6 1/16" (3 1/16")	5 1/8" (2 1/8")

### PROFILE DIAGRAMS





# PROFILE DIMENSIONS & DIAGRAMS

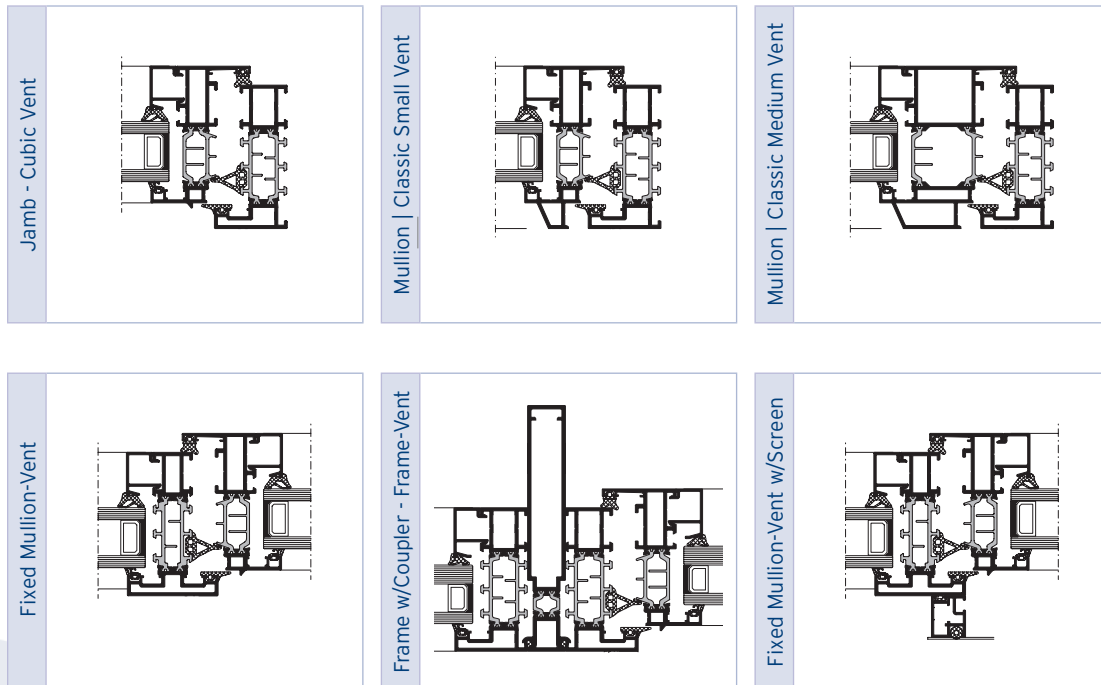
## INWARD OPENING WINDOWS



### PROFILE DIMENSIONS

Visible Width									System Depth
Frame-Vent			Vent-Mullion			(Frame-Vent) - (Fixed Frame) w/Coupler			Frame
Cubic	Classic Sm.	Classic Md.	Cubic	Classic Sm.	Classic Md.	Cubic	Classic Sm.	Classic Md.	All
2 7/8"		3 5/8"	3 1/4"		4 3/16"	5 1/8"		5 15/16"	3"

### PROFILE DIAGRAMS











# PERFORMANCE & GLASS INFORMATION

## FIXED WINDOWS



### PERFORMANCE INFORMATION

Performance Specifications			
	Thermal Insulation* (Btu/hr-ft <sup>2</sup> -°F)		Uw See Specific Glass Types
			SHGC See Specific Glass Types
	Type 1 - 11/4" Double Glazed   1/4" SN68 - 11/16" air - 1/4" clear		0.33
	Type 2 - 11/4" Double Glazed   1/4" SN68 - 11/16" air - 1/4" IS20		0.27
	Type 3 - 11/4" Double Glazed   1/4" SN68 - 11/16" argon - 1/4" clear		0.29
	Type 4 - 11/4" Double Glazed   1/4" SN68 - 11/16" argon - 1/4" IS20		0.25
	Type 5 - 11/4" Double Glazed   1/4" SNX62/27 - 11/16" air - 1/4" clear		0.32
	Type 6 - 11/4" Double Glazed   1/4" SNX62/27 - 11/16" air - 1/4" IS20		0.27
	Type 7 - 11/4" Double Glazed   1/4" SNX62/27 - 11/16" argon - 1/4" clear		0.28
	Type 8 - 11/4" Double Glazed   1/4" SNX62/27 - 11/16" argon - 1/4" IS20		0.24
	Type 9 - 11/4" Double Glazed   1/4" LoE-366 - 11/16" air - 1/4" clear		0.32
	Type 10 - 11/4" Double Glazed   1/4" LoE-366 - 11/16" air - 1/4" I89		0.27
	Type 11 - 11/4" Double Glazed   1/4" LoE-366 - 11/16" argon - 1/4" clear		0.28
	Type 12 - 11/4" Double Glazed   1/4" LoE-366 - 11/16" argon - 1/4" I89		0.23
	Acoustic Performance* ASTM E90-09/1332		STC44 - OITC 34
	Air Tightness (cfm/ft <sup>2</sup> )		0.02
	AAMA Rating		AW PG40
	Water tightness (psf)		12
*Performance varies based on glazing specifications			

### PRODUCT GLAZING INFORMATION









Glazing Table			
Glazing Thickness	Glazing Bead	Glazing Gasket - Inside	Glazing Gasket - Outside
11/4"	002.0683.79 9M04	080.9124.04	180.8204.04

# PERFORMANCE & GLASS INFORMATION

## INWARD OPENING WINDOWS



### PERFORMANCE INFORMATION

Performance Specifications			
	Thermal Insulation* (Btu/hr-ft <sup>2</sup> -°F)		Uw See Specific Glass Types
	Type 1 - 11/4" Double Glazed   1/4" SN68 - 11/16" air - 1/4" clear		0.34
	Type 2 - 11/4" Double Glazed   1/4" SN68 - 11/16" air - 1/4" IS20		0.29
	Type 3 - 11/4" Double Glazed   1/4" SN68 - 11/16" argon - 1/4" clear		0.31
	Type 4 - 11/4" Double Glazed   1/4" SN68 - 11/16" argon - 1/4" IS20		0.27
	Type 5 - 11/4" Double Glazed   1/4" SNX62/27 - 11/16" air - 1/4" clear		0.34
	Type 6 - 11/4" Double Glazed   1/4" SNX62/27 - 11/16" air - 1/4" IS20		0.29
	Type 7 - 11/4" Double Glazed   1/4" SNX62/27 - 11/16" argon - 1/4" clear		0.30
	Type 8 - 11/4" Double Glazed   1/4" SNX62/27 - 11/16" argon - 1/4" IS20		0.27
	Type 9 - 11/4" Double Glazed   1/4" LoE-366 - 11/16" air - 1/4" clear		0.36
	Type 10 - 11/4" Double Glazed   1/4" LoE-366 - 11/16" air - 1/4" I89		0.32
	Type 11 - 11/4" Double Glazed   1/4" LoE-366 - 11/16" argon - 1/4" clear		0.33
	Type 12 - 11/4" Double Glazed   1/4" LoE-366 - 11/16" argon - 1/4" I89		0.25
			SHGC See Specific Glass Types
			0.30
			0.29
			0.31
			0.29
			0.21
			0.21
			0.21
			0.20
			0.21
			0.21
			0.21
			0.21
			0.21
	Acoustic Performance* ASTM E90-09/1332		STC42 - OITC 35
	Air Tightness (cfm/ft <sup>2</sup> )		0.01
	AAMA Rating		CW PG65
	Water tightness (psf)		12
*Performance varies based on glazing specifications			

### PRODUCT GLAZING INFORMATION

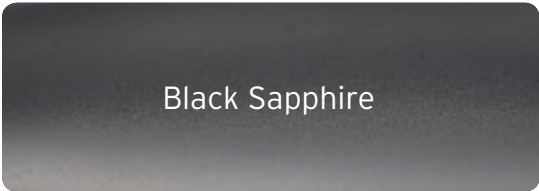
Glazing Table			
Glazing Thickness	Glazing Bead	Glazing Gasket - Inside	Glazing Gasket - Outside
11/4"	002.0686.79 9M04	080.9124.04	180.8204.04

# PURITY HARDWARE




## PURITY DESIGN HANDLES

Products featured within the Element Series are offered with Purity® hardware in Sapphire Black or Lithium.



Black Sapphire



Lithium

The Purity® line of handles is an exclusive series created by and for Reynaers, in cooperation with Italian designer Leo de Carlo. Its look is influenced by its Italian roots and is governed by simplicity and elegance. Its designer, Leo de Carlo, was a student of renowned architect Philippe Starck at his Paris agency before commencing work with Reynaers. **The handle is a marvel in innovation and quality and is the perfect accessory for any system.**



**The handle is particularly innovative in terms of material, production, installation and modularity.** Purity® is made from a new material called Pura™, for which Reynaers has world-wide exclusivity to in regards to window and door handles.

Every Purity® handle is equipped with the unique Cliq-Clag™ mechanism, a revolution on its own. The part easily fits over the spindle and snaps into place. The handle is then attached by simply fitting it on top of the mechanism, leaving you with a beautifully crafted handle.

# PURITY WINDOW HARDWARE



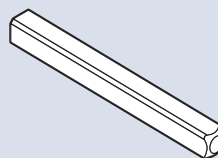
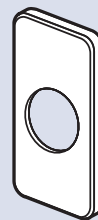
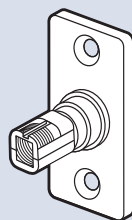
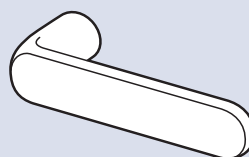
## DESIGN



 15/16"  
24 mm

 5 13/16"  
147 mm

 1 13/16"  
46 mm



# FINISH SPECIFICATIONS



## STANDARD POWDER COAT FINISH

Products featured within the Element Design Series are offered in standard AAMA 2604 - Matte RAL 9004 Signal Black finish. AAMA 2604 are Qualicoat Class II.

RAL 9004  
Matte Signal Black

## STANDARD COLORS AAMA 2604

Powder coating is an environmentally friendly way to paint your windows and doors which excludes the use of VOC's (Volatile Organic Compounds). This process requires less energy than many other surface treatments, therefore reducing the carbon footprint throughout production work flow. Like anodizing, powder coating is highly resistant against UV radiation and neither rusts nor rots. By offering excellent protection against the elements, this assures the end user that minimal maintenance will be required.

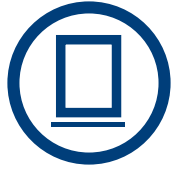
During the first step of the powder coating process the aluminum is degreased and etched with a protective conversion layer on the surface. Next, the powder coating is applied using a negative charge on the powder particles, so the powder coating can attach to the grounded aluminum. Finally the profiles are cured in an oven in order to polymerize the powder coating into a stable, high quality and scratch resistant finish.

At Reynaers we focus on quality and sustainability, offering all treatments according to the AAMA (American Architectural Manufacturers Association) and certified European Qualicoat standards. Our main partner for powder coating is Axalta Coating Systems, a US based global player active in all fields of coating.

**Powder coating is performed at Reynaers' plants in Europe as well as at US suppliers audited by Reynaers specialists.**

# BUILDING INTEGRATION DETAILS





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**SL 38**

Slim Line 38

**BUILDING  
INTEGRATION DETAIL**

CONSTRUCTION TYPE:  
**2x6 Frame**

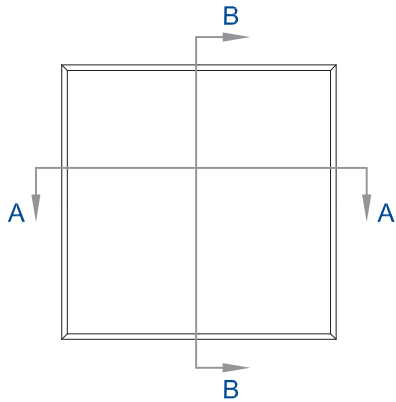
FINISH:  
**Stucco**

PROFILE/THRESHOLD:  
**N/A**

OPENING CONFIGURATION:  
**N/A**

REVISION NO. - DATE  
**1 | 2017AUG01**

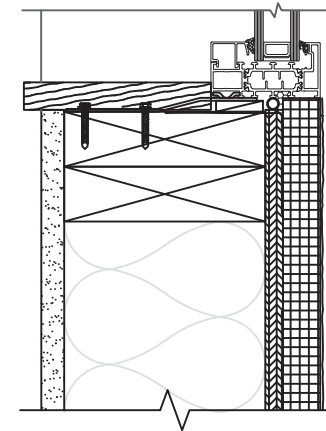
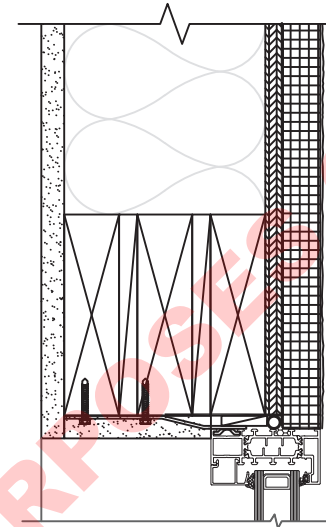
SHEET NAME:  
**Fixed Window  
2x6 - Stucco**



**EXTERIOR ELEVATION**

SCALE: N.T.S

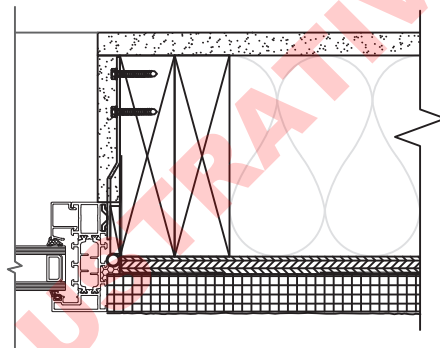
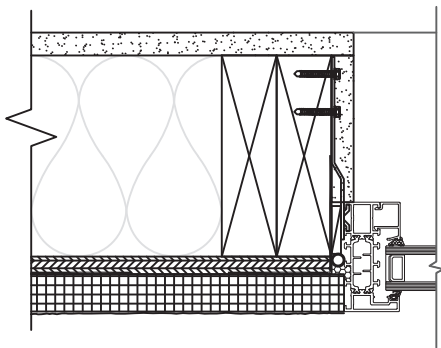
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**SECTION B-B: HEAD / SILL**

SCALE: N.T.S

3



**SECTION A-A: JAMBS**

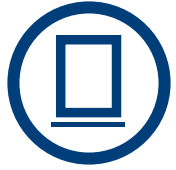
SCALE: N.T.S

2

**Fixed Window | 2x6 - Stucco**

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**SL 38**

Slim Line 38

**BUILDING  
INTEGRATION DETAIL**

CONSTRUCTION TYPE:  
**2x6 Frame**

FINISH:  
**Stucco**

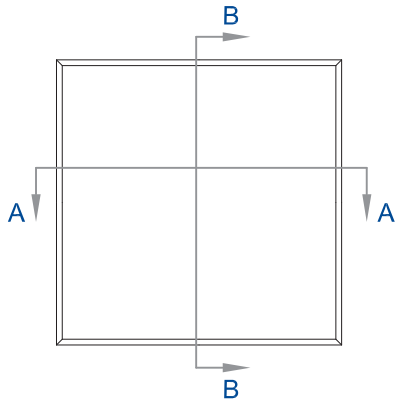
PROFILE/THRESHOLD:  
**Nail-On Fin. Frame**

OPENING CONFIGURATION:  
**N/A**

REVISION NO. - DATE  
**1 | 2017AUG01**

SHEET NAME:  
**Fixed Window  
2x6 - Stucco  
Nail-On Fin. Frame**

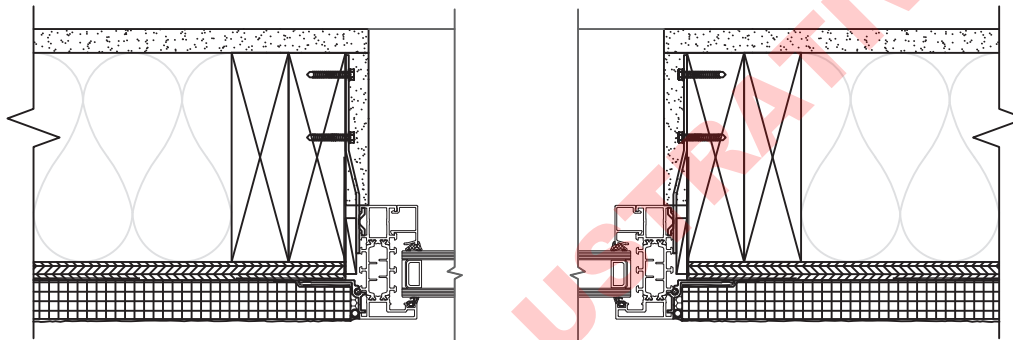
DRAWING NO.  
**SL 38 | 011**



**EXTERIOR ELEVATION**

SCALE: N.T.S

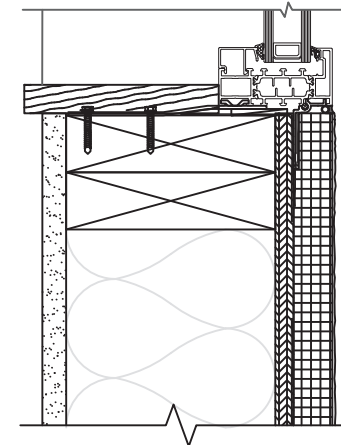
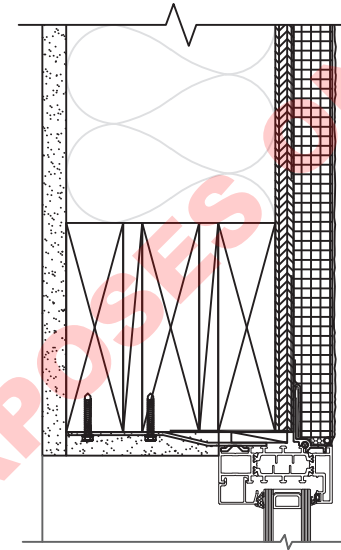
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**SECTION A-A: JAMBS**

SCALE: N.T.S

2



**SECTION B-B: HEAD / SILL**

SCALE: N.T.S

3

**Fixed Window | 2x6 - Stucco | Nail-On Fin. Frame**



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**SL 38**

Slim Line 38

**BUILDING  
INTEGRATION DETAIL**

CONSTRUCTION TYPE:  
**2x6 Frame**

FINISH:  
**Stucco**

PROFILE/THRESHOLD:  
**N/A**

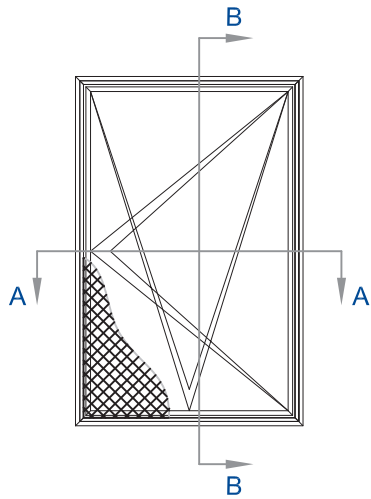
OPENING CONFIGURATION:  
**Open In**

REVISION NO. - DATE  
**1 | 2017AUG01**

SHEET NAME:  
**Operable Window  
2x6 - Stucco  
Open In**

DRAWING NO.

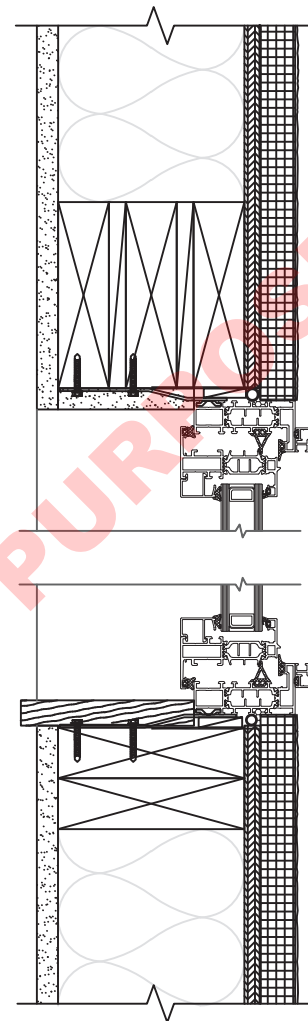
**SL 38 | 012A**



**EXTERIOR ELEVATION**

SCALE: N.T.S

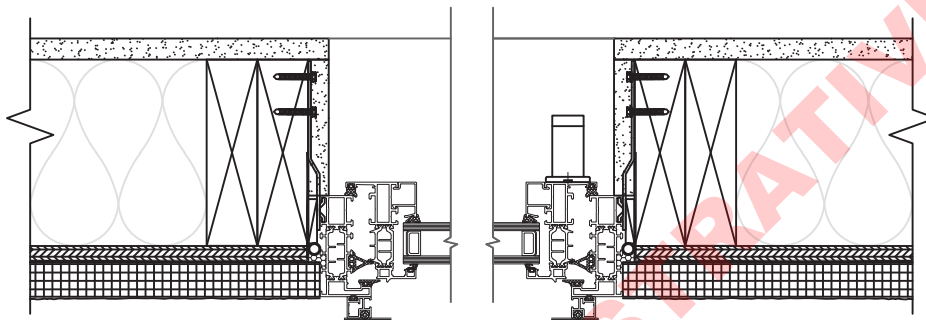
1



**SECTION B-B: HEAD / SILL**

SCALE: N.T.S

3

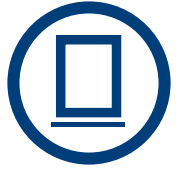


**SECTION A-A: JAMBS**

SCALE: N.T.S

2

**Operable Window | 2x6 - Stucco | Open In**



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**SL 38**

Slim Line 38

**BUILDING  
INTEGRATION DETAIL**

CONSTRUCTION TYPE:  
**2x6 Frame**

FINISH:  
**Stucco**

PROFILE/THRESHOLD:  
**Nail-On Fin. Frame**

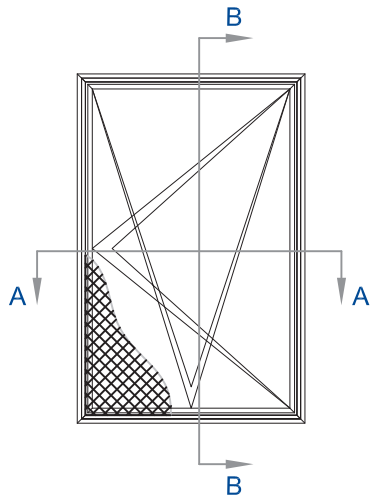
OPENING CONFIGURATION:  
**N/A**

REVISION NO. - DATE  
**1 | 2017AUG01**

SHEET NAME:  
**Operable Window  
2x6 - Stucco  
Open In w/Nail-On Fin. Frame**

DRAWING NO.

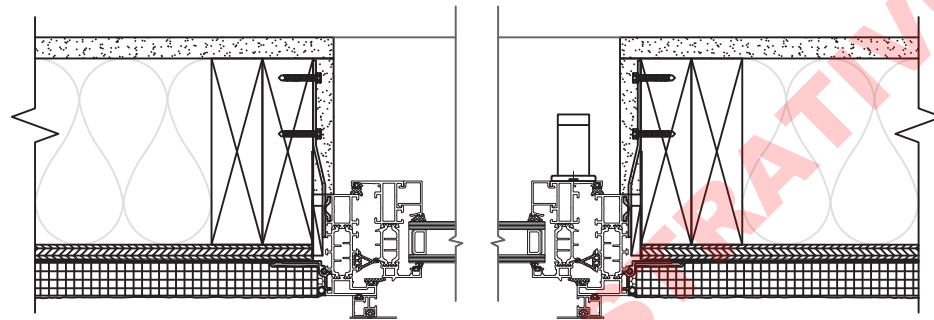
**SL 38 | 013A**



**EXTERIOR ELEVATION**

SCALE: N.T.S

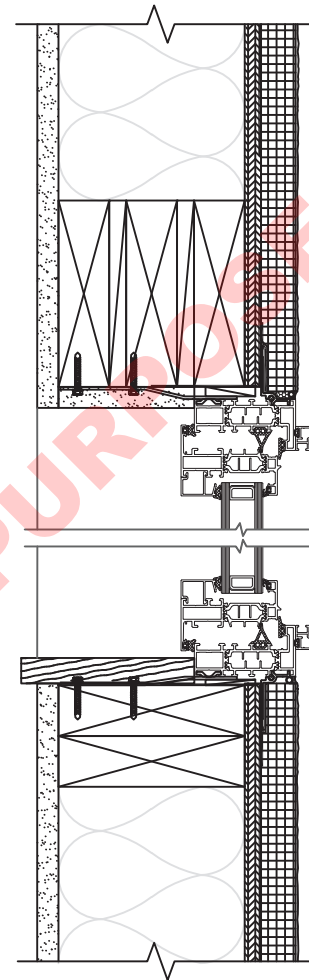
1



**SECTION A-A: JAMBS**

SCALE: N.T.S

2



**SECTION B-B: HEAD / SILL**

SCALE: N.T.S

3

**Operable Window | 2x6 - Stucco | Open In w/Nail-On Fin. Frame**

FOR ILLUSTRATIVE PURPOSES ONLY



# TOGETHER FOR BETTER

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**PUB2018AUG27**