INTUS
WINDOWS

PRODUCT CATALOG

INTUS WINDOWS

BUILT TO BE THE MOST ENERGY EFFICIENT

INTUS creates high performing windows and doors that conserve energy, increase thermal performance, and reduce noise. By balancing superb energy efficiency, affordability, and versatility, INTUS is making sustainable building attainable for any type of commercial project in the U.S.

The source of nearly 48% of the world's greenhouse gas emissions is from buildings, with conventional windows and doors responsible for 25-40% of lost heating and cooling energy. Fenestrations are key to dramatically increasing the energy efficiency of buildings and decreasing wasted energy. Whether you're building a modern multi-family building beside the NYC subway, luxury hotel in Tennessee, or a school in Maine, INTUS has customizable solutions that balance costs, long-term performance, and secure savings on the ever-rising cost of energy.

1875 ATLANTIC AVENUE - Brooklyn, NY

» **Sound: STC 45/OITC 38**

Architect: Studios C Architect & Design

Installer: Windows of NYC

Project Type: Multi-family residential

NEW

WHY SUPERA 83 PASSIVE?

+ Passive House Institute (PHI) Certified
+ Thermally efficient profile
+ High performance triple glazing
+ Affordably achieves PHI Certification for any climate zone in the U.S. & areas of Canada

warm, temperate climate
phC
CERTIFIED COMPONENT
Passive House Institute

PHI Values	
U-value frame (Uf)	0.96 W/(m²K)
U-value glazing (Ug)	0.5–0.6 W/(m²K)
Psi-panel edge (Psig)	0.023 W/(mK)
Hygiene fRsi=0.25	0.72
Whole window installed U-value (Uw)	1.02 W/(m²K)

Air Infiltration
<0.1 cfm/ft²

Water Penetration
Up to 12.11 psf

Design Pressure (DP)
±40.10 psf | ±60.16 psf

Certified Passive House
Passive House Institute

SENDERO VERDE (BUILDING B) - New York, NY

» **PHI Certified**
» **Largest PHI project in the world**

Architect: Handel Architects, LLP

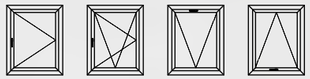
Developer: L+M Development Partners

GC: L+M Development Partners

Project Type: Multi-family residential

NEW

Available in 4 window styles:



warm, temperate climate

phC

CERTIFIED COMPONENT

Passive House Institute

PHI Values	
U-value frame (Uf)	1.02 W/(m²K)
U-value glazing (Ug)	0.5–0.6 W/(m²K)
Psi-panel edge (Psig)	0.023 W/(mK)
Hygiene fRsi=0.25	0.73
Whole window installed U-value (Uw)	1.03 W/(m²K)

Air Infiltration
<0.1 cfm/ft²

Water Penetration
Up to 12.11 psf

Design Pressure (DP)
±40.10 psf | ±70.18 psf

PRODUCTS

Profile available in both double and triple pane options.

NFRC Values	
U-value (BTU/hr.ft².°F)	0.14–0.28
SHGC (Solar Heat Gain Coefficient)	0.17–0.51
VT (Visual Transmittance)	0.34–0.66

Air Infiltration
0.06–0.1 cfm/ft²

Water Penetration
Up to 10.65 psf

Water Penetration
Up to 12.11 psf

Design Pressure (DP)
±40.10 psf | ±70.18 psf

EMBLEM AT BARRACKS ROW - Washington, DC

» **LEED Gold Certified**

Architect: Fillat+ Architecture

Developer: Bozzuto Group

GC: Northfield Construction & Development

Project Type: Multi-family residential/Mixed-use

ADA Compliant Operational Force Under 5 lbs.*

Title	Result Summary
Vent Operational Force (Initiate motion)	16 N (3.5 lbf)
Vent Operational Force (Maintain motion)	2 N (0.5 lbf)
Lock Operational Force	18 N (4.0 lbf)

*For casement windows only

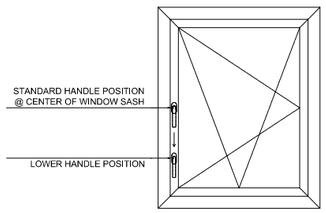
Profile available in both double and triple pane options.

NFRC Values	
U-value (BTU/hr.ft².°F)	0.17–0.28
SHGC (Solar Heat Gain Coefficient)	0.12–0.43
VT (Visual Transmittance)	0.22–0.56

Air Infiltration
<0.1 cfm/ft²

Water Penetration (CW)
Up to 10.65 psf (AW: 12.11)

Design Pressure (DP)
±40.10 psf | ±70.18 psf



695 GRAND STREET - Brooklyn, NY

Architect: Magnusson Architecture & Planning PC

Developer: St. Nicks Alliance

GC: Galaxy GC Group, LLC

Project Type: Multi-family residential

POINT 262 CONDOMINIUMS - Cambridge, MA

» **LEED Certified**

Architect: Khalsa Design, Inc.

GC: Nauset Construction

Installer: OnTime Construction

Project Type: Multi-family residential

THE EDWIN HOTEL - Chattanooga, TN

» **Chattanooga's 1st luxury boutique hotel**
» **Gold Key Awards Finalist**

Architect: Tinker Ma Architecture & Design

Developer: Vision Hospitality Group

GC: Acumen Development Partners

Project Type: Hospitality

NFRC Values	
U-value (BTU/hr.ft^2.°F)	0.21–0.28
SHGC (Solar Heat Gain Coefficient)	0.10–0.28
VT (Visual Transmittance)	0.18–0.36

Air Infiltration
<0.1 cfm/ft^2

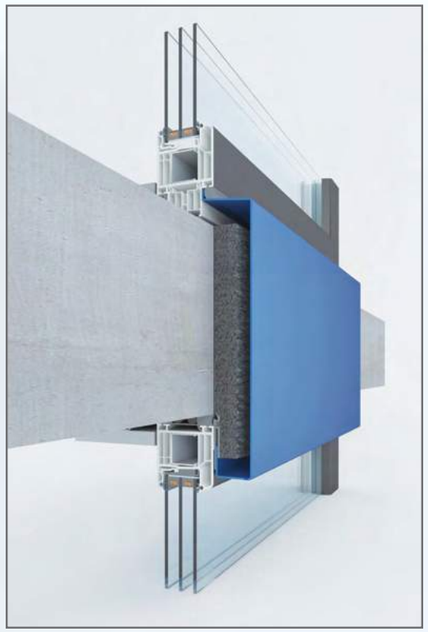
Water Penetration
8.15 psf | 12.11 psf

Design Pressure (DP)
±40.10 psf | ±70.18 psf

INTUS Window Walls seamlessly integrate into modern building envelopes and provide superior thermal performance compared to traditional storefront systems. They are Design Pressure (DP) rated up to DP70 with thermal performance as low as U=0.17 Btu/hr.ft.^{2}.°F.

Left: Window wall with flush slab edge cover

Below: Window wall with protruded slab edge cover



ELYSIUM FOURTEEN – Washington, DC

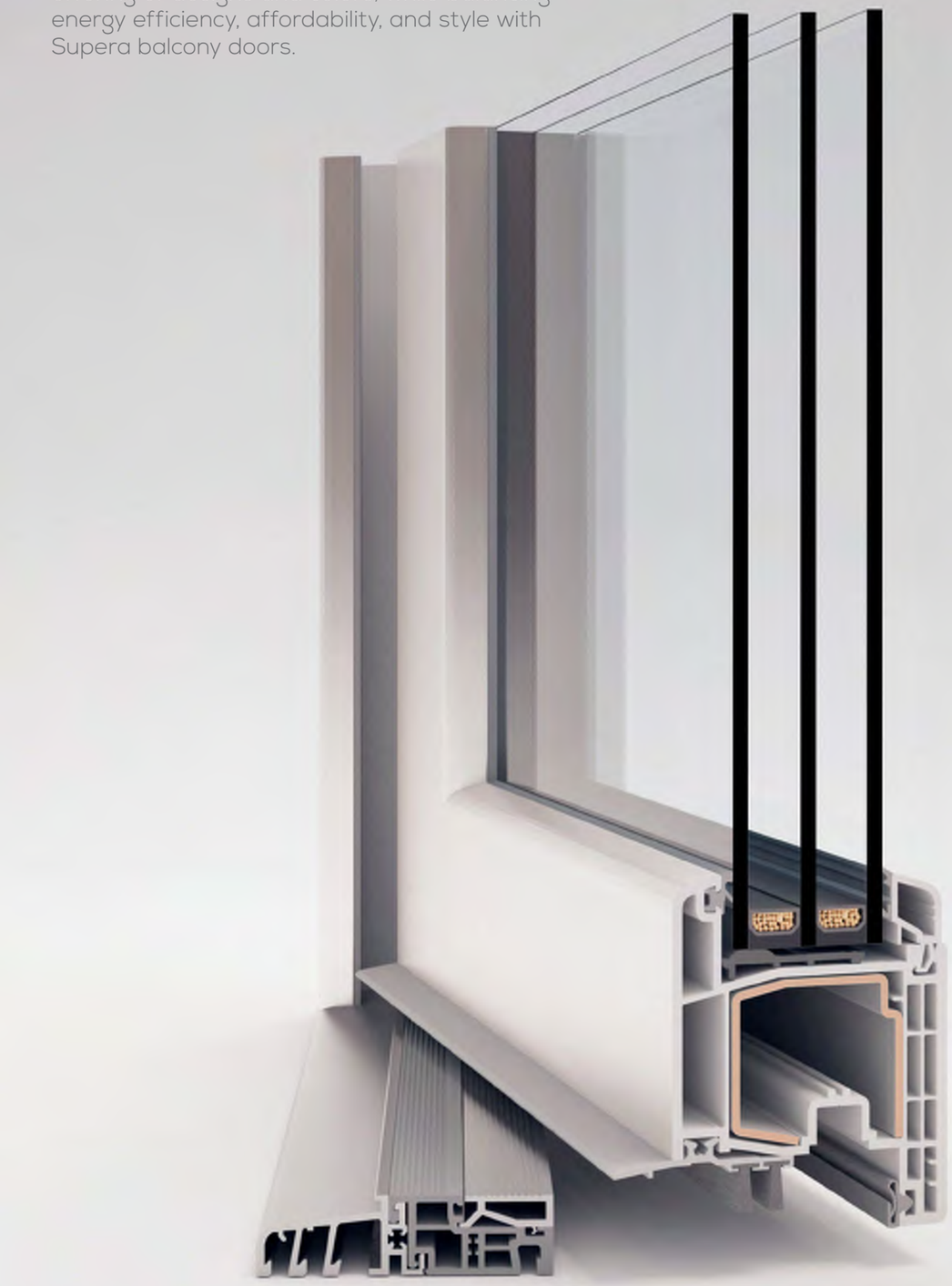
» **LEED Certified**
» **INTUS Window Walls used**

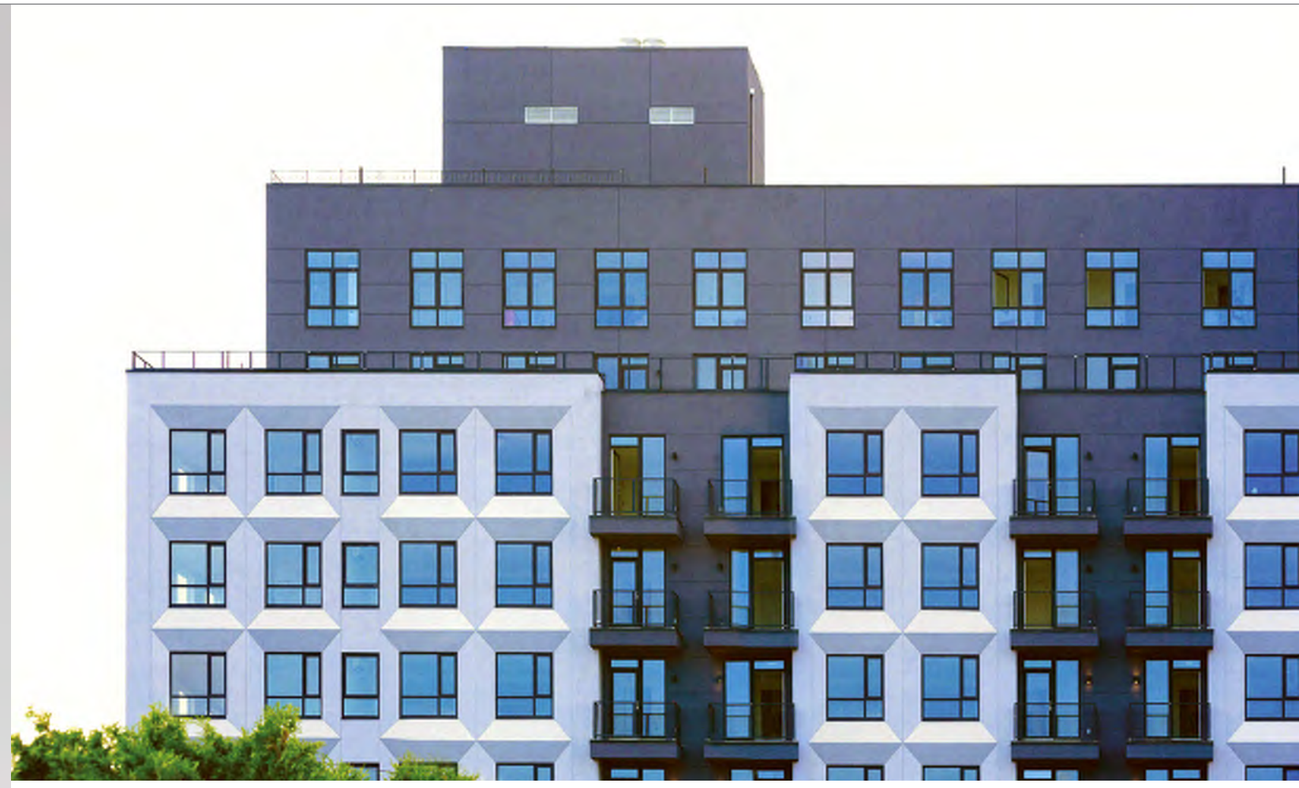
Architect: PGN Architects

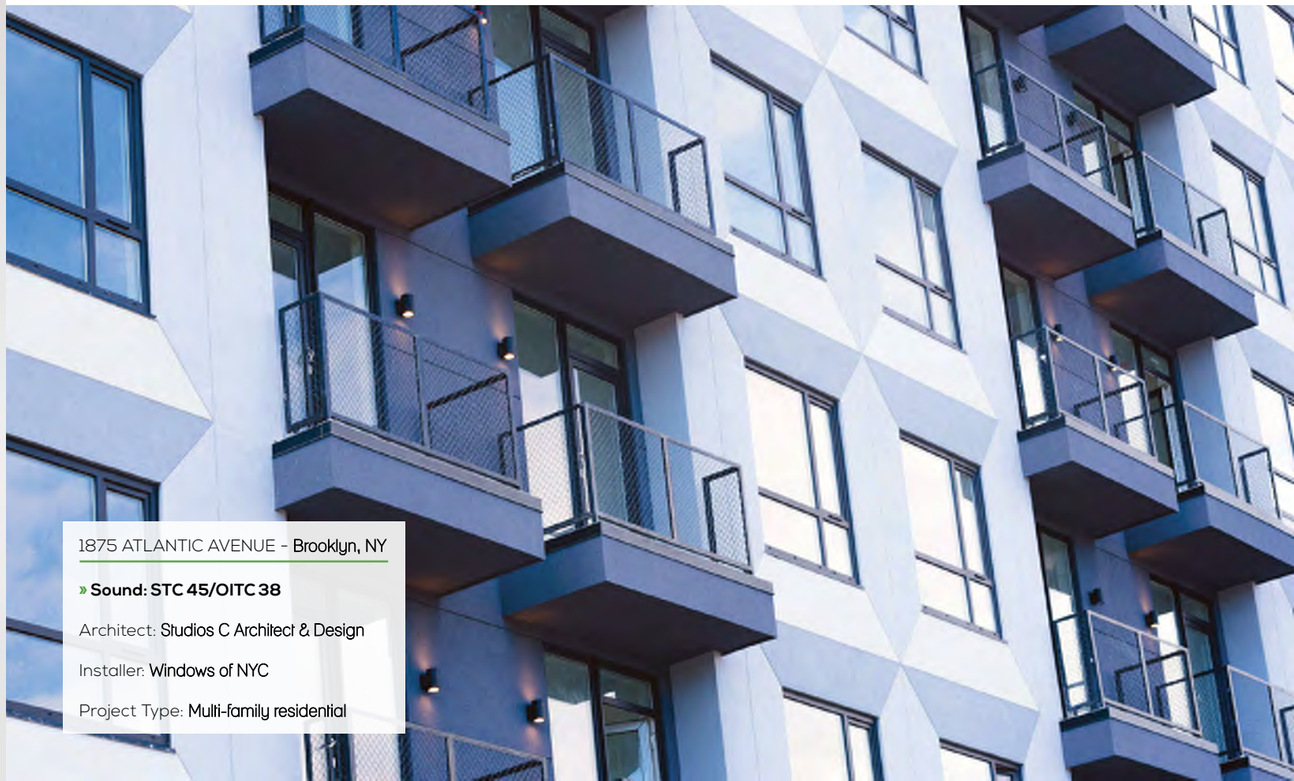
Developer: Madison Investments

Project Type: Multi-family residential/Mixed-use

Create an array of entry looks with a wide offering of designs and colors, while balancing energy efficiency, affordability, and style with Supera balcony doors.







1875 ATLANTIC AVENUE - Brooklyn, NY

» **Sound: STC 45/OITC 38**

Architect: Studios C Architect & Design

Installer: Windows of NYC

Project Type: Multi-family residential

ADA Compliant Pemko Threshold

900 KIPLING HOUSE - Washington, DC

» **Sound: Fixed: STC 31/OITC 25, Operable: STC 33/OITC 27**

Architect: PGN Architects

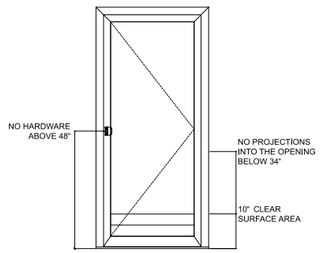
Developer: Madison Investments

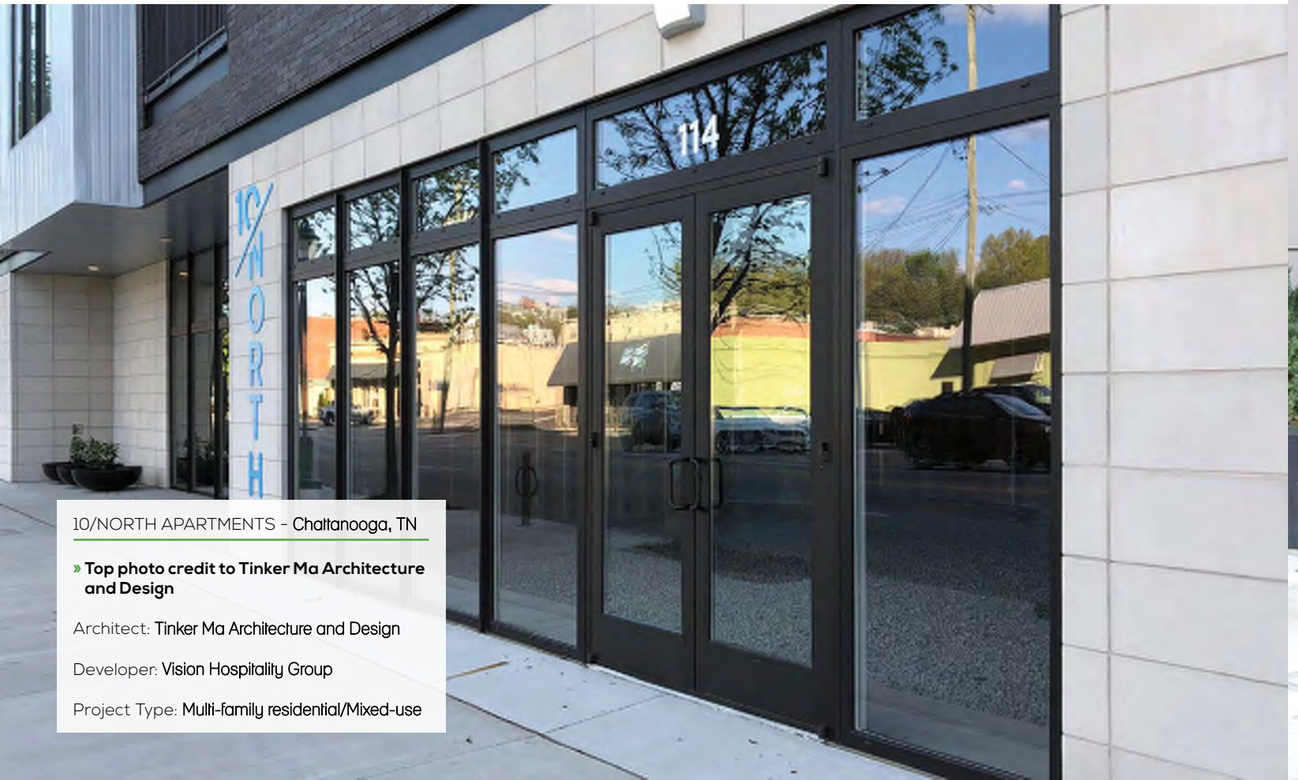
GC: Sigal Construction

Project Type: Multi-family residential

EQUAL HOUSING OPPORTUNITY

Americans with Disabilities Act





10/NORTH APARTMENTS - Chattanooga, TN

» **Top photo credit to Tinker Ma Architecture and Design**

Architect: Tinker Ma Architecture and Design

Developer: Vision Hospitality Group

Project Type: Multi-family residential/Mixed-use

HANAC CORONA - Corona, NY

» **PHI Certified**
» **Multi-family Performance Standards for Energy Star Certification**
» **Enterprise Green Communities Criteria**
» **Finalist in the Affordable Housing Finance 2019 Readers' Choice Awards**

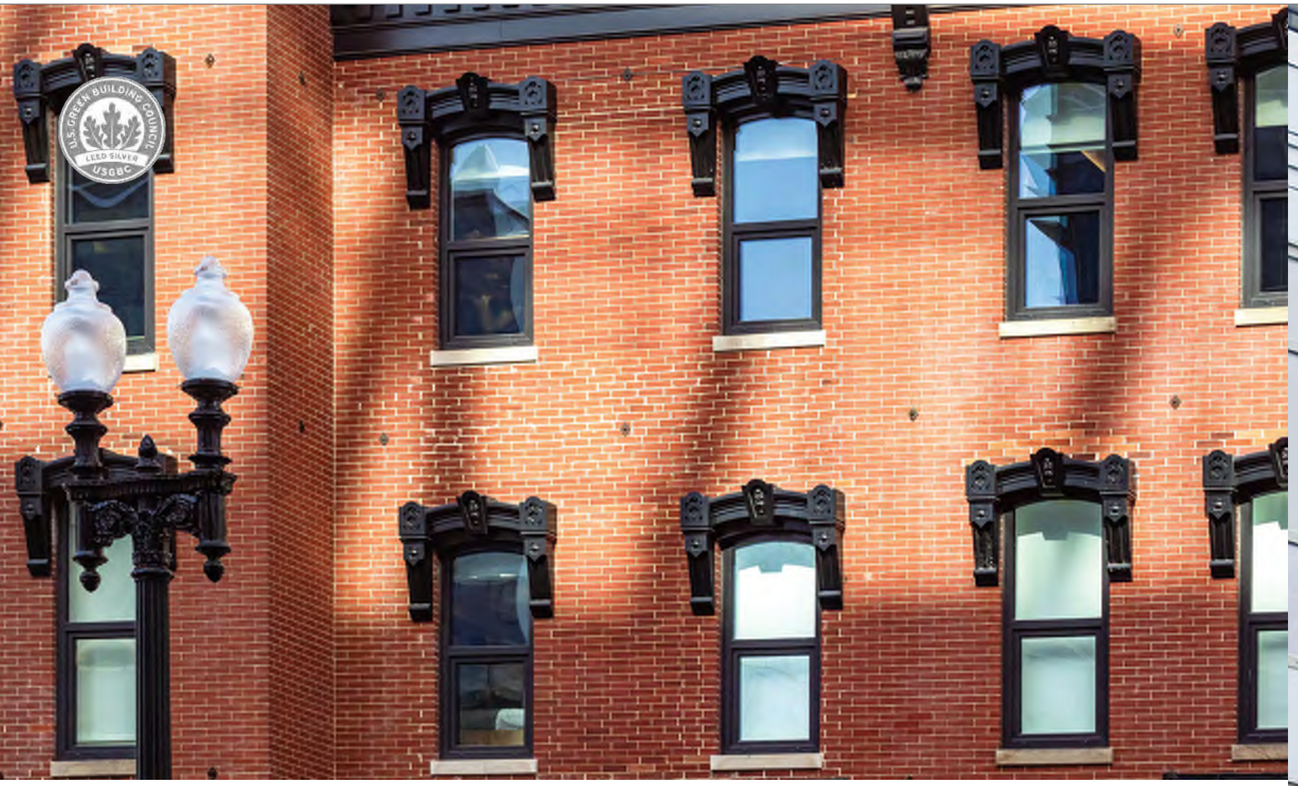
Architect: think! Architecture & Design, PLLC

GC: Bruno Frustaci Contracting, Inc.

Project Type: Senior living residential

- 50+ year service life
- Phthalate & lead-free unplasticized-polyvinyl chloride (uPVC)
- BPA-free & no off-gassing
- Environmentally friendly stabilizers
- Non-conductive & #1 material in thermal insulation
- Rot-proof frames
- Corrosion & salt erosion resistant frames
- Self-extinguishing
- Very minimal maintenance
- 100% recyclable up to 7 times

ADVANTAGES



MOXY HOTEL DC - Washington, DC

- **Sound: STC 45/OITC 38**
- **LEED Silver Certified**
- **Gold Key Awards Finalist**

Architect: Fillat+ Architecture

Developer: Douglas Development

GC: CBG Building Company

Project Type: Hospitality

900 KIPLING HOUSE - Washington, DC

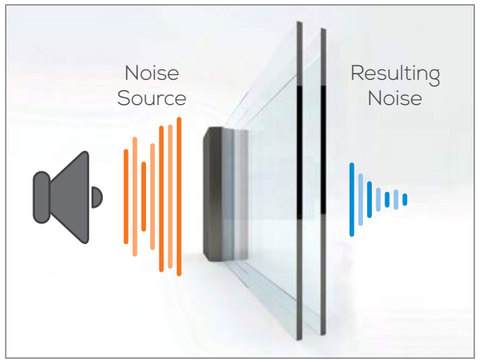
- **Sound: Fixed: STC 31/OITC 25, Operable: STC 33/OITC 27**

Architect: PGN Architects

Developer: Madison Investments

GC: Sigal Construction

Project Type: Multi-family residential



Sound Abatement

Keep out intrusive and disruptive sounds from the outdoors with our rigorously tested and highly rated windows and doors.

	STC	OITC	Industry Avg. STC
Fixed	28–47	20–37	30–35
Operable	33–44	24–38	

An increase from 28 to 38 means 90% of the noise is reduced.

NYC Office of Environmental Remediation

INTUS meets NYC-E Designated zone requirements for noise attenuation.

ASTORIA CENTRAL APARTMENTS - Astoria, NY

» **Sound: STC 45/OITC 38**

Architect: SLCE Architects

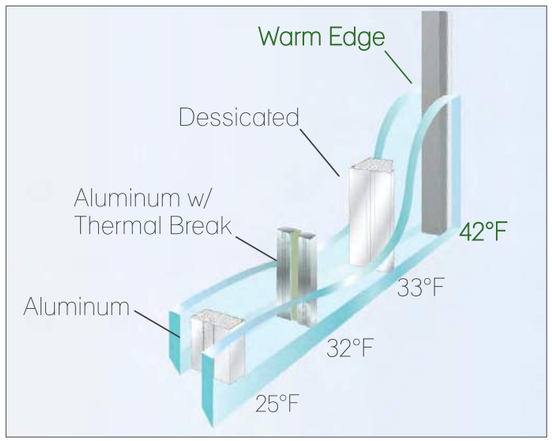
GC: MEGA Contracting Group

Project Type: Multi-family residential

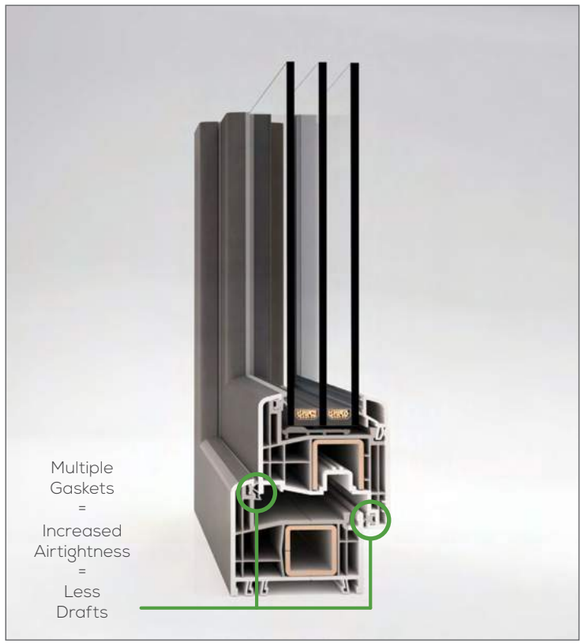
Increased Interior Pane Glass Surface Temperature

Warm Edge Spacers

- Improved interior surface temperatures
- Reduced condensation on the edge of the glass
- Greatly improved energy efficiency



Compressed Seal Technology

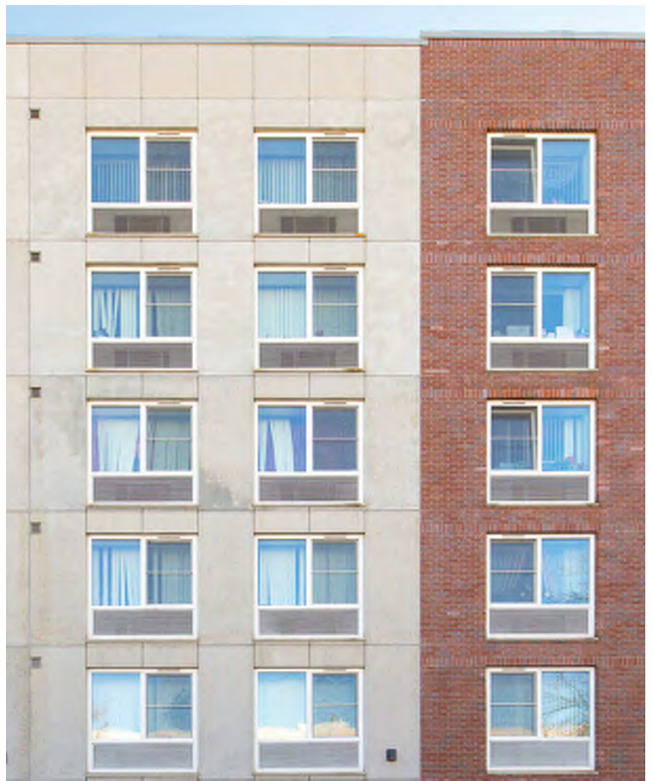


PROSPECT PLAZA - Brooklyn, NY

- **LEED Platinum Certified (Phase I)**
- **LEED Gold Certified (Phase II)**
- **Project participating in NYSERDA Multi-Family Version 5 Performance for New Construction program**
- **LEED for Homes Multi-Family Midrise V2010, & NGBS Certification (National Green Building Standard)**

Architect: Dattner Architects

Project Type: Multi-family residential



"Passive House" Certified Buildings

Passive House certified buildings meet a set of design principles used to attain a rigorous level of energy efficiency within a specific quantifiable comfort level — or in other words, maximizing gains and minimizing losses.

Passive House Principles	
Windows	Optimized double or triple pane windows to let heat in when desired
Insulation	Thick & continuous insulation to interrupt thermal bridges
Airtight	Airtight construction to stop heat and moisture
Ventilation	Balanced ventilation to ensure fresh air and control moisture
Mechanical	Smaller cooling and heating systems are required

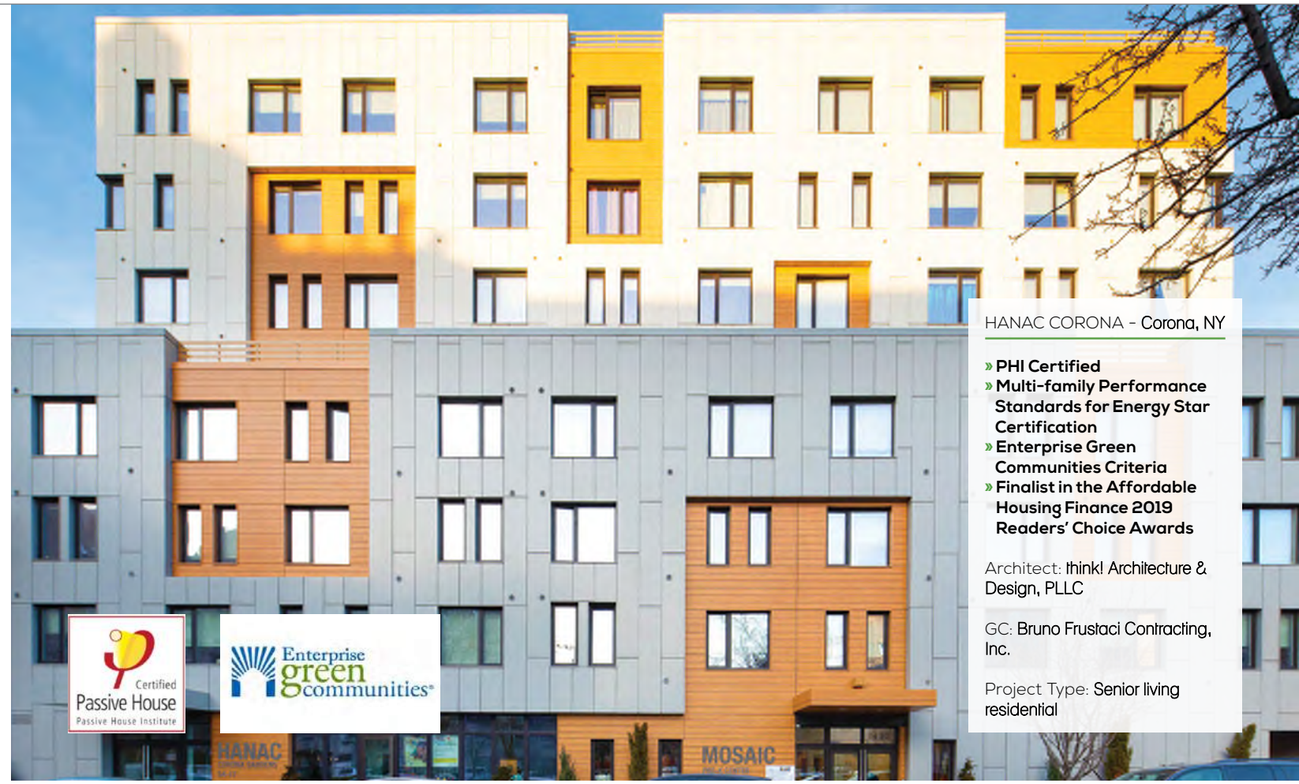
PHIUS Passive House Institute US

Passive House Institute

NYPH NEW YORK PASSIVE HOUSE

PHIUS projects must also earn the DOE ZERH (Department of Energy – Zero Energy Ready Home) label. This automatically qualifiies specific LEED v4 Homes credits and prerequisites.

ZERO ENERGY READY HOME U.S. DEPARTMENT OF ENERGY



HANAC CORONA - Corona, NY

- **PHI Certified**
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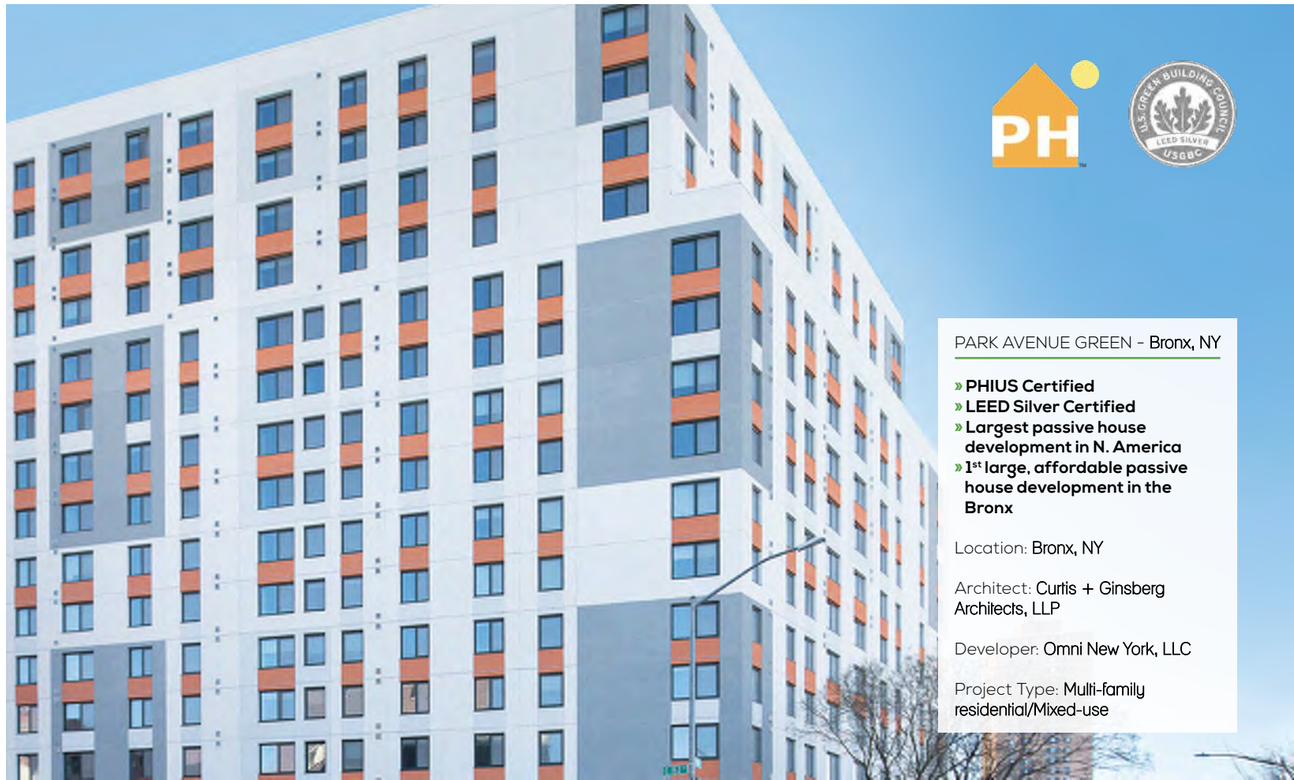
- **Enterprise Green Communities Criteria**
- **Finalist in the Affordable Housing Finance 2019 Readers' Choice Awards**

Architect: think! Architecture & Design, PLLC

GC: Bruno Frustaci Contracting, Inc.

Project Type: Senior living residential



PARK AVENUE GREEN - Bronx, NY

- **PHIUS Certified**
- **LEED Silver Certified**
- **Largest passive house development in N. America**
- **1st large, affordable passive house development in the Bronx**

Location: Bronx, NY

Architect: Curtis + Ginsberg Architects, LLP

Developer: Omni New York, LLC

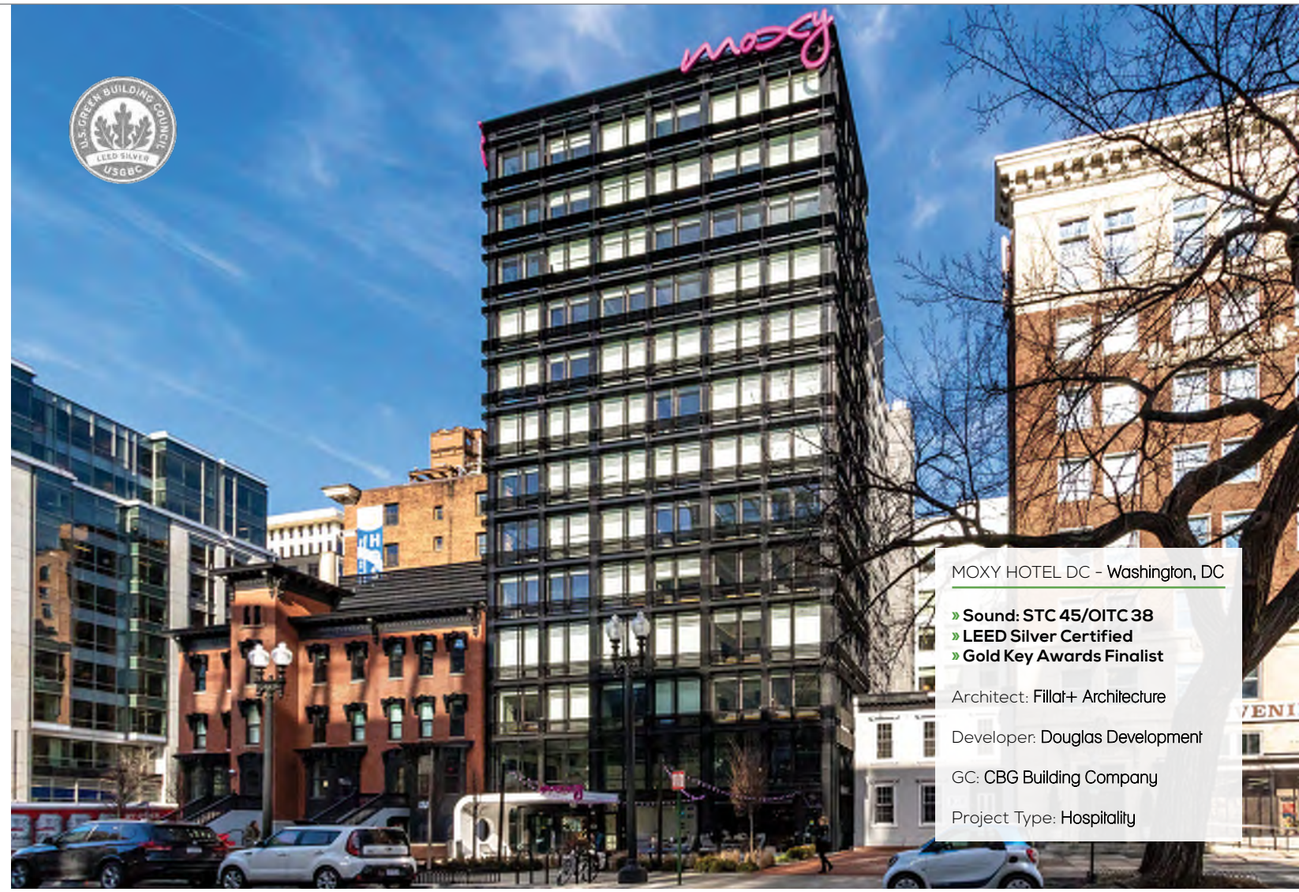
Project Type: Multi-family residential/Mixed-use

LEED Rating System v4.1

INTUS Windows supports the use of the LEED certification process to create greener buildings. The LEED rating system evaluates the environmental performance of a building through a point-based system, and encourages market transformation toward sustainable design. INTUS windows and doors create immense opportunities to increase a building's LEED points.

LEED Category	LEED Credit	Possible Points
Sustainable Sites	Heat Island Reduction	2
Integrative Process	Integrative Process	1
Energy & Atmosphere	Minimum Energy Performance	Required
	Optimize Energy Performance	20
Materials & Resources	Building Product Disclosure & Optimization: Environmental Product Declarations	2
	Building Product Disclosure & Optimization: Sourcing of Raw Materials	2
Indoor Environmental Quality	Minimum Indoor Air Quality (IAQ) Performance	Required
	Low-Emitting Materials	3
	Thermal Comfort	1
	Daylight	3
	Quality Views	3
	Acoustic Performance	2
Innovation	Innovation	5
Grand Total		**44***

*Maximum LEED points available for Supera systems



MOXY HOTEL DC - Washington, DC

- » Sound: STC 45/OITC 38
- » LEED Silver Certified
- » Gold Key Awards Finalist

Architect: Fillat+ Architecture

Developer: Douglas Development

GC: CBG Building Company

Project Type: Hospitality

Standard Exterior/Interior Colors*

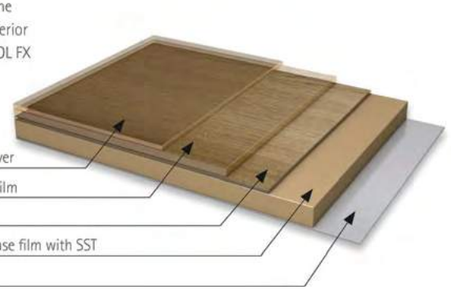
- Anodized Silver
- Warm Stone
- Anthracite Grey
- Dark Bronze
- Black Smooth
- White*

*Profile color

RENOLIT EXOFOL FX Laminate Finishes

INTUS exclusively uses RENOLIT EXOFOL FX finishes designed specifically for North American climate zones. They perform at AAMA 2605 quality guidelines or better.

Diagram showing the structure of the exterior film **RENOLIT** EXOFOL FX



US Irraditation Map
W.hr/sq. in. per day (1.0 = 1,000)

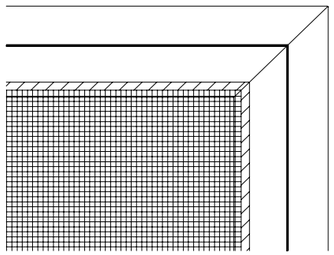
6.5 - 7.0	4.5 - 5.0	2.5 - 3.0
6.0 - 6.5	4.0 - 4.5	2.0 - 2.5
5.5 - 6.0	3.5 - 4.0	1.5 - 2.0
5.0 - 5.5	3.0 - 3.5	1.0 - 1.5

* Additional colors and split finishes available upon request. Finish color availability is subject to change; please consult a team representative for availability status.

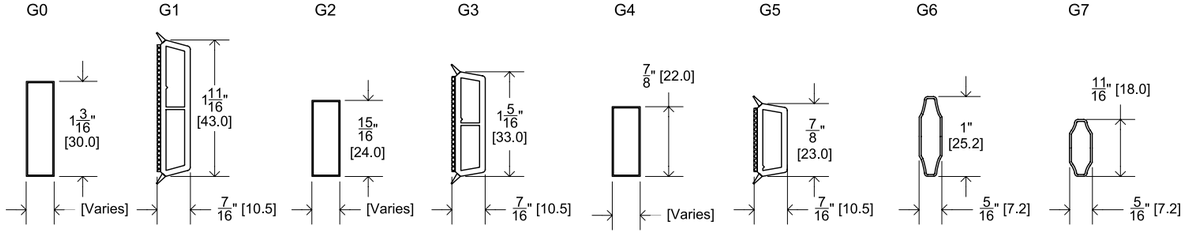
ACCESSORIES

Handles

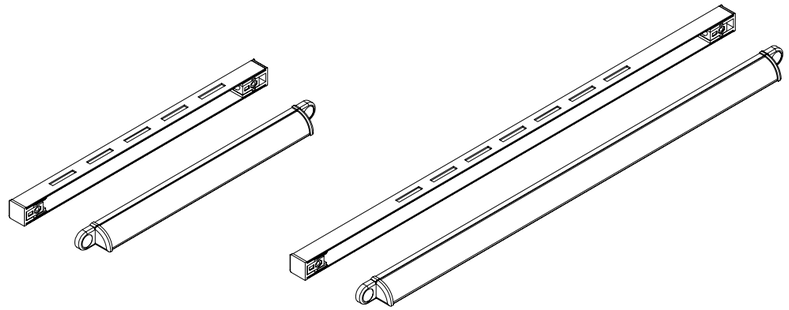
Screens



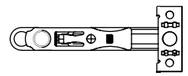
Decorative Grids



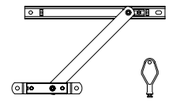
Trickle Vents



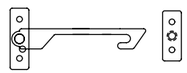
Limiters



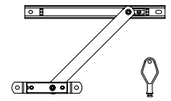
Standard Limiter Without Friction



Securistyle With Friction

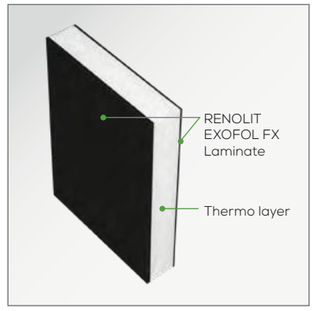


WCOD (Emergency Exit)



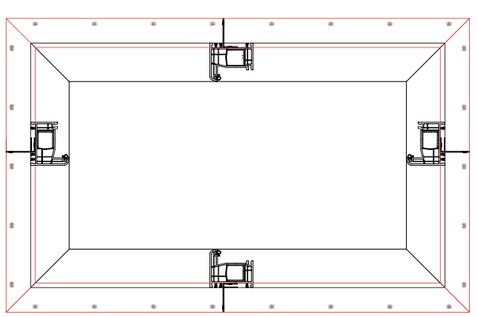
NYC Approved

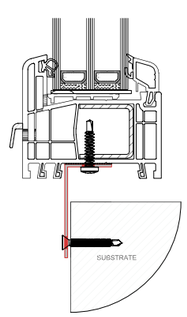
Insulated Filler Panels



- Able to be matched to all INTUS interior/exterior finish colors
- PVC-hardened layer:
  - Impact resistant
  - UV resistant
  - Moisture resistant
- Thermo layer (extruded polystyrene foam):
  - Long-lasting
  - Homogenous
  - Moisture resistant

Aluminum Flanges





WHEATON COLLEGE PINE HALL - Norton, MA

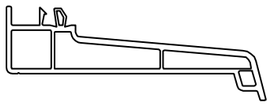
» **PHIUS Certified**

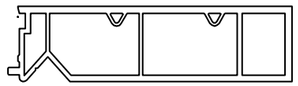
Architect: Spagnolo Gisness & Associates (SGA)

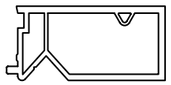
GC: Commodore Builders

Installer: Sunrise Erectors

Project Type: Institutional/Student housing







WOOD WORKS APARTMENTS - Harrison, NY

» **Sound: Fixed: STC 31/OITC 26, Operable (Tilt & Turn): STC 32/OITC 25**

Architect: Papp Architects, PC

Developer: Lighthouse Enterprises, LLC

Project Type: Multi-family residential

INTUS WINDOWS

BUILT TO BE THE MOST ENERGY EFFICIENT

See how INTUS windows and doors can be built around your project by visiting us at INTUSwindows.com. Browse through our building projects, and learn more about our window and door solutions. Access CAD drawings, BIM models, architectural manuals, and more through our Knowledge Center. Find the best solution for your project by contacting your local INTUS office through our Contact Us page. Let us help you make your next project become energy efficient!

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