

WEST FOUR
Aluminum

ALUMINUM WINDOW & DOOR SYSTEMS



400 SERIES FINTUBE

Fintube Windows and Doors are engineered for commercial applications. The system offers easy glazing installation with the use of screw applied stops accommodating flexible glazing depths and various configurations. This product is non thermally broken.





400 SERIES FINTUBE

The **400 FINTUBE ALUMINUM STOREFRONT SYSTEM** is a durable, cost-effective framing solution designed for commercial storefronts, entrances, and low-rise glazing applications. Featuring reinforced FinTube construction, the system delivers exceptional structural strength, simplified fabrication, and clean architectural sightlines that complement today's modern building designs.

Engineered for reliability and long-term performance, the 400 FinTube System provides the flexibility to accommodate a variety of glazing options while integrating seamlessly with aluminum entrance doors to create a complete storefront solution.



FEATURES

4" Frame Depth - Provides a strong, stable platform for commercial storefront applications.

FinTube Construction - Tubular mullions provide structural strength and rigidity suitable for retail storefronts, office buildings, medical facilities and mixed-use commercial developments.

Slim Sightlines - Clean, narrow aluminum profiles maximize daylight and create a contemporary architectural appearance.

Versatile Glazing Options - Designed to accommodate insulated sealed unit glass in varying thicknesses, as well as single pane in 5mm to 12mm thickness.

Commercial-Grade Aluminum Extrusions - High-strength aluminum construction offers outstanding durability and corrosion resistance.

Simplified Fabrication - Engineered for efficient manufacturing and field installation, reducing labor and project timelines.

Weather Performance - Premium glazing gaskets help protect against air and water infiltration.

Compatible Entrance Systems - Integrates seamlessly with 48 and 88 Series non-thermal 1-3/4" commercial aluminum swing doors and automatic entrance systems.

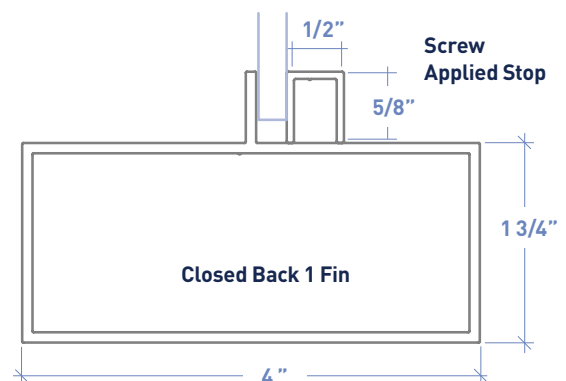
Architectural Finish Options - Available in anodized: clear, dark bronze, and black.

Custom Configuration Flexibility - Accommodates fixed glazing, sidelites, transoms, and multiple storefront layouts to meet project requirements.



400 FINITUBE ALUMINUM STOREFRONT SYSTEM

400 FRAMING SYSTEM	
FRAME TYPE	400 Fin-Tube Non-Thermal
FRAME DEPTH	4" (102mm) x 1-3/4" (45mm)
FINISHES	Anodized in Clear, Black, Bronze
WINDOW MULLION	1-3/4" (45mm)
WINDOW GLAZING	Single or Sealed Unit (up to 1" OD)
GLAZING TYPE	1/2" (13mm) x 5/8" (16mm) Screw on applied stop
UNIT MAX HEIGHT	120" (3048mm)
DOOR OPTIONS	48 Series, 88 Series (non-thermal)



CONFIGURATIONS

NOTE: Custom mullion placement is available for all.



Vertical | Mullion



Vertical and
Horizontal | Mullion



Horizontal | Mullion

FINISHES



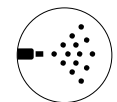
Black
Anodized



Dark Bronze
Anodized



Clear
Anodized



Custom
Powder Coated

GLASS OPTIONS



Bronze



Grey



Clear



Frosted
(Interior Only)



GLASS SPECIFICATIONS FOR DOOR & WINDOW SYSTEMS

TYPE	GLASS	THICKNESS	FADE TRANSMISSION (UV)	SOLAR HEAT GAIN COEFFICIENT (SHGC)	U-VALUE (Winter Nighttime)
Dual	Clear/Clear (5mm Clear 5mm Clear)	3/4"	53	0.72	0.46
Dual	Clear 1 Lite Low E (5mm Clear Argon 5mm Clear)	3/4"	19	0.39	0.26
Dual	Grey/Clear (5mm Grey Argon 5mm Clear)	3/4"	24	0.5	0.46
Dual	Bronze/Clear (5mm Bronze Argon 5mm Clear)	3/4"	25	0.55	0.46
Dual	Clear/Clear (5mm Clear 5mm Clear)	1"	58	0.72	0.48
Dual	Clear 1 Lite Low E (5mm Clear Argon 5mm Clear)	1"	18	0.39	0.30
Dual	Grey/Clear (5mm Grey Argon 5mm Clear)	1"	32	0.50	0.48
Dual	Bronze/Clear (5mm Bronze Argon 5mm Clear)	1"	32	0.55	0.48
Single	Clear 6mm	1/4"	66	0.82	1.02
Single	Bronze 6mm	1/4"	25	0.63	1.02
Single	Grey 6mm	1/4"	24	0.58	1.02

CHART EVALUATIONS ARE BASED ON

Dual Units - 5mm glass and 3/8" spacer, all with Argon.

U-VALUE - Measures the glass's ability to resist heat transfer. Lower values indicate better thermal performance, reducing heat loss and improving the glass's ability to retain indoor warmth and energy efficiency.

UV - The ability to withstand the effects of UV which can result in the fading of interior furnishings and other materials.

Solar Heat Gain Coefficient (SHGC) - The amount of solar radiation that enters a building as heat. The lower the value, the better the glass is at preventing solar gain.





STOREFRONT SYSTEM

400 SERIES is designed to integrate seamlessly with 48 Series and 88 Series Non-Thermal 1-3/4" aluminum entrance doors, providing a complete and versatile storefront solution for any commercial product.

400 SERIES

FRAME: 400 FINTUBE | DOOR: 48 & 88 SERIES, NON THERMAL

FRAME TYPE	400 Fin-Tube
	Non-Thermal
FRAME DEPTH	4" (102mm) x 1-3/4" (45mm)
FINISHES	Anodized in Clear, Black, Bronze
USAGE	Exterior / Interior application

LEAF WIDTH	32", 36", Custom
HEIGHT	80", 84", 96", Custom
MIDRAIL SIZE	48: 2-1/4" (54mm); 88: 4" (101.6mm)
DOOR GLAZING	Dual Sealed Unit 3/4" OD Tempered or Single Pane 6mm Tempered



HARDWARE KIT: FACTORY INSTALLED

KIT A



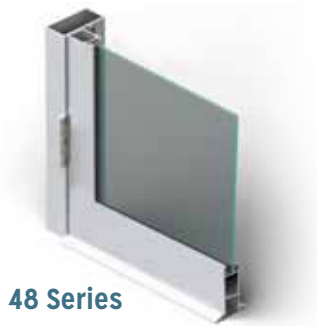
KIT B



Due to the variability of site conditions - closers are shipped loose and installed on site.



ALUMINUM DOOR LEAF | Non-Thermal



48 Series



88 Series

FINISHES



48 SERIES ALUMINUM NARROW STILE DOOR features 2" (50.8 mm) top rail, 1-7/8" (47.6mm) vertical stiles, a 3-3/4" (95.25mm) bottom rail, and a 1-3/4" (45mm) thick profile. Midrails are 2-1/4" (57mm). Designed as a non-thermal system for moderate-use applications, it is ideal for small businesses, storefronts, and apartment complexes.

88 SERIES ALUMINUM WIDE STILE DOOR features 3-3/4" (95.25 mm) top rail, 3-1/2" (89mm) vertical stiles, a 7" (177.8 mm) bottom rail, and a 1-3/4" (45mm) thick profile. Midrails are 4" (101.6mm). Designed as a non-thermal system for intense-use applications, including schools, hospitals and institutions.

GLAZING	Single 5mm or Sealed Unit 3/4" OD
WIDTH	32", 36", Custom
HEIGHT	80", 84", Custom
FINISHES	Anodized: Clear, Black, Bronze

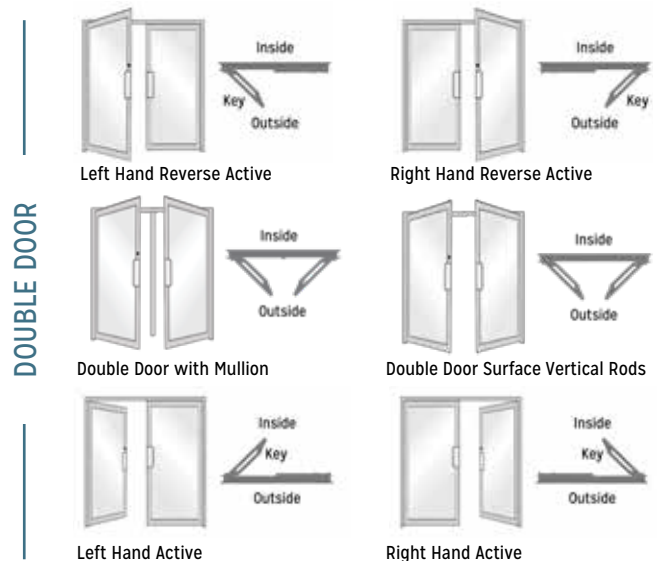
CONSTRUCTION

The door is fully assembled with heavy-duty concealed brackets secured with nuts, bolts and lock washers, further reinforced with MIG-welded brackets and internal corner welds to maximize structural strength and durability. Doors also feature snap-in glazing stops and EPDM glazing gasket on both sides of the glass, ensuring reliable weather sealing and secure glass retention. All door systems manufactured by West Four Aluminum are glazed exclusively with tempered safety glass.

OPTIONS

- Midrail available in 4" (or custom) in all models.
- Insulated panels available upon request.
- Custom door sizes to suit all applications.
- Single or double swing door configuration.
- Accommodates most Aluminum hardware, including electrified.

HANDING





LOCKS

**DDL1150 MECHANICAL PUSH
BUTTON LEVER**

Stainless steel, fully mechanical, no batteries, push button combination door lever for interior use with moderate traffic.

**DDL2200 MECHANICAL PUSH
BUTTON LEVER**

Fully mechanical, push button combination deadbolt lock in stainless steel. Interior or exterior use - moderate traffic.



DOREX

DDL1150

DDL2200

Interior use

**2985 MECHANICAL
PUSH BUTTON LEVER**

The 2985 is a heavy duty, mechanical, push button digital lock designed for narrow stile and aluminum frame glass doors.



2985

Exterior use

CLOSERS

GRADE 1

The DOREX 1701 is a heavy-duty, power adjustable door closer designed and certified for high traffic commercial applications. The 1701 combines flexibility and durability into an ideal package for commercial, and multi-unit projects requiring a discreet, reliable door closer.



DOREX

CLOSER 1701BC-BR (Bronze)
CLOSER 1701BC-C (Clear)
CLOSER 1701BC-MB (Matte Black)

GRADE 1

Falcon SC71 is a heavy-duty closer built for applications that demand reliable door control and easy maintenance.



FALCON

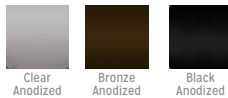
SC71A 689 (Closer)
SC70A-18 (Mounting plate)

DOOR PULLS



**Offset 9" Door Pull
and Push Bar**
C09/CP11-C

FINISHES



IVES

90° Offset Solid Door Pull
PR-8190HD-2-N



**Solid 90° Offset Pull/Push
Bar Combo**
9190HD-33-NS

FINISHES



MORTISE & RIM CYLINDERS

Solid zinc mortise lock cylinder with Aluminum clad face. Adams Rite cam A, Schlage keyway. Includes 2 keys.



CZM100A

DOREX

Mortise cylinder with thumbturn works with most Adams Rite deadlatches. 1 5/32" diameter with 5pin tumbler. Two keys included.

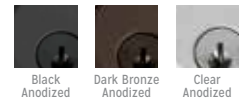


AR 4036-01-01



AR 4066-01-130

FINISHES



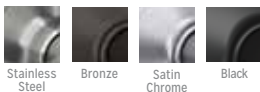
HINGES

BUTT HINGES

Ball bearing 4 1/2" x 4" butt hinge with non-removable pin. Available in 1/4" radius.



FINISHES



PIVOT HINGES



Designed for commercial Aluminum storefront doors, 3/4" offset configuration for a flush fit with the frame face.

CONTINUOUS HINGES



The unique design distributes the weight of the door along the entire length of the frame, reducing the high amount of stress normally associated at top of door and frame on butt hinge applications. Suitable for high use/high traffic doors.

IVES

112XY - Full Mortise
112XY-TWP-CON - Full Mortise w/ Thru Wires
112XY-EPT - Full Mortise w/ Power Transfer Prep



DEADLATCH

4510 DEADLATCH offers traffic control during and after business hours. A reverse turn of the key while the bolt is held retracted retains the bolt to allow two-way traffic for applications that require free entrance at certain times, and exit only at other times.

The standard for storefront aluminum doors.



4900 ADAMS RITE HEAVY DUTY DEAD LATCH

provides flexible traffic control and easy installation. A key-controlled bolt hold-back feature allows for two-way traffic for applications which require free entrance at certain times and exit-only at other times. This allows a "locked" entrance to be used as an exit by visitors already in the building.



DEADLATCH HANDLES

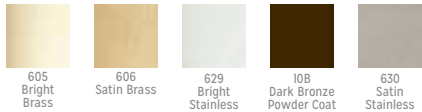
Designed to operate 4300, 4500 and 4900 Series Deadlatches by a natural downward hand movement, these handles incorporate an activator cam plug that mounts on the handles escutcheon and fits solidly into the cylinder hole of the latch. Not intended for use as a door pull.



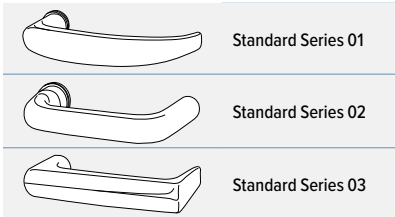
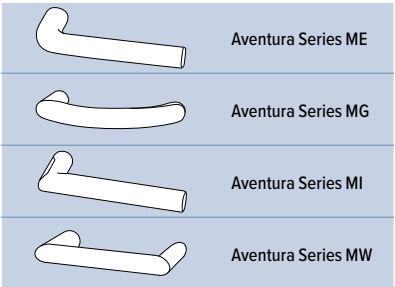
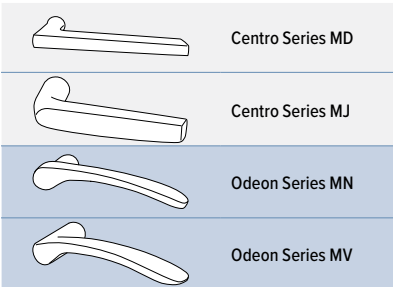


3080 ENTRY SERIES TRIM provides outside activation for doors with any type of Adams Rite exit device and deadlatch. The locked handle is protected from vandalism and forced entry with a breakaway clutching mechanism. Electrified option also available.

FINISHES



HANDLE OPTIONS

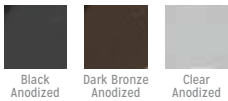


EFORCE 3090-150 A battery operated keyless entry control device, the eForce 3090-150 Keyless Entry provides access control for Adams Rite deadlocks, deadlatches, and exit devices.



ADAMS RITE MS1850S DEADLOCK utilizes a laminated stainless steel bolt to provide maximum security for a single leaf narrow stile aluminum door.

FINISHES



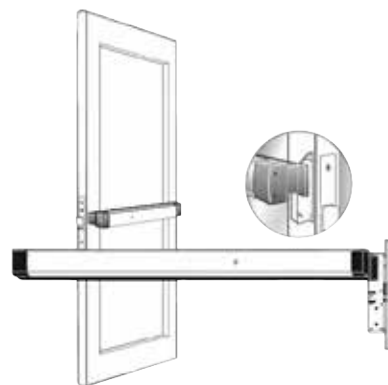


8400 SERIES MORTISE EXIT DEVICES

The 8400 Series Narrow Stile Mortise Exit Device is designed for narrow stile aluminum applications requiring a life-safety exit device with mortise locking solution.

FEATURES:

- Heavy-duty deadlatching mechanism for high-level of security.
- Easy to install design for use in single door applications or most typically on the active leaf of a pair of doors.
- Standard strike of stainless steel included.



8410-28136 | 42 | 48

8600 SERIES CONCEALED VERTICAL ROD EXIT DEVICES

The 8600 Series Narrow Stile Concealed Vertical Rod Exit Device is designed for narrow stile aluminum applications that require a life-safety exit device with concealed vertical rods for two-point locking.

FEATURES:

- Top latching mechanism utilizes a rotating top bolt which dead latches around the header strike, ensures interlocking between the door and the frame for high-level of security.
- Adjustable steel rods protected in contoured covers.
- Available with top and bottom rod, or top rod only.
- Easy to install design for use in applications with single doors or pairs of doors.



8611-36 | 48



TRIM

ELECTRIC POWER TRANSFER W/ CONNECTOR



VON DUPRIN®

VON DUPRIN EPT10-CON

Electronic power transfers (EPT) provide a wiring path from the door to the frame, allowing products on or around the door to receive power as well as monitoring door status.

The unit is completely concealed when the door is in the closed position and ideally suited for installations with heavy traffic.

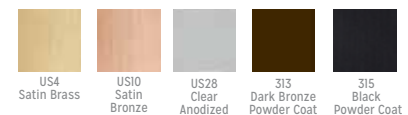
MULLION

VON DUPRIN®

VON DUPRIN 5654 REMOVABLE MULLION

Factory prepped to accept two 299 strikes, this mullion provides a reliable center post solution for paired door openings in commercial environments

FINISHES



ELECTRIC STRIKES

ADAMS RITE 7101 ELECTRIC STRIKE

Compatible with 8400, 8600 Series Mortise Exit Devices and 4500 Latch Locks. Available in all currents and voltages and with Clear, Bronze and Black faceplates.

7101 are required for all double doors or any door that has a flat or interlocking astragal.

CAMDEN 1309 ELECTRIC STRIKE

Grade I ANSI Universal electric strike for 12/24V, AC or DC and fail safe or fail secure operations. Designed for aluminum doors and frames and available in Clear or Dark Bronze.

COMPATIBLE PRODUCTS

With a selection of compatible electric strikes, mechanical and electrified entry trim, power supplies and accessories, Adams Rite can provide a full solution for your access control needs.



SMART AUTOMATION FOR MODERN ALUMINUM DOOR SYSTEMS



The **Record HA9 Automatic Operator** is a full-featured, low-energy swing door operator engineered for moderate-to-high traffic commercial applications. Combining quiet operation, intelligent automation, and durable construction, the HA9 integrates seamlessly with aluminum entrance systems to provide reliable accessibility, enhanced security, and long-term performance.

Its low-profile architectural header complements modern aluminum storefronts.

Designed for High-Traffic Applications - Ideal for office buildings, healthcare facilities, schools, universities, airports, retail centers, government buildings, and hospitality environments.

Power Assist - Reduces the manual opening force, making heavy aluminum entrance doors easier to operate while improving accessibility for all users.

Plug-and-Play Installation - Prewired electrical connections and plug-and-play sensor compatibility simplify installation and reduce commissioning time.



ACCESS CONTROL

Camden CM-40/4
4" Round Switch,
Wheelchair and Push
to Open Embossed
Handicap Logo.



Camden CM-25/4 Narrow
Push Plate Switch,
Vertical Mounting,
'WHEELCHAIR' symbol
and 'Push to Open', Blue.



Camden CM-7536K/4
CM-75 Series 36"
Long Column Push
Plate Switch with
Built-In Kinetic, No
Battery Wireless
Transmitter, Receiver
Required, Aluminum.



Camden CM-RX-90
Advanced Single
Relay Receiver, V2
Lazerpoint RF and
Kinetic Compatible.



Scan QR Code for Warranty
and Installation Information



WEST FOUR

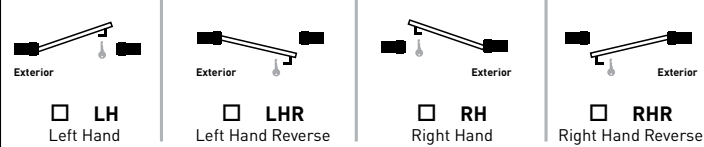
Aluminum

☐ DOOR ☐ FRAME ☐ WINDOW

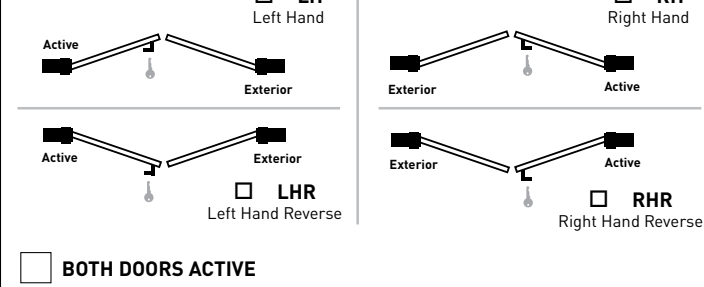
NET FRAME SIZE:

SWING CHART (viewed from exterior)

SINGLE DOORS



DOUBLE DOORS



FRAME TYPE:

400 Fin Tube Frame	
450 Single Interior Pocket Glazing	
451 Exterior Pocket Glazing	
Curtain Wall: ☐ 2-1/2" x 3-5/8" ☐ 2-1/2" x 5-1/4"	

DOOR TYPE:

Door Leaf Only
48 Series Narrow Stile - 1-7/8" Stiles
88 Series Wide Stile - 3-1/2" Stiles
207 Series - 2" Thermally Broken Door - 7" Bottom Rail
210 Series - 2" Thermally Broken Door - 10" Bottom Rail

FINISHES:

Clear Anodized	Black Anodized
Bronze Anodized	Powder Coated Custom

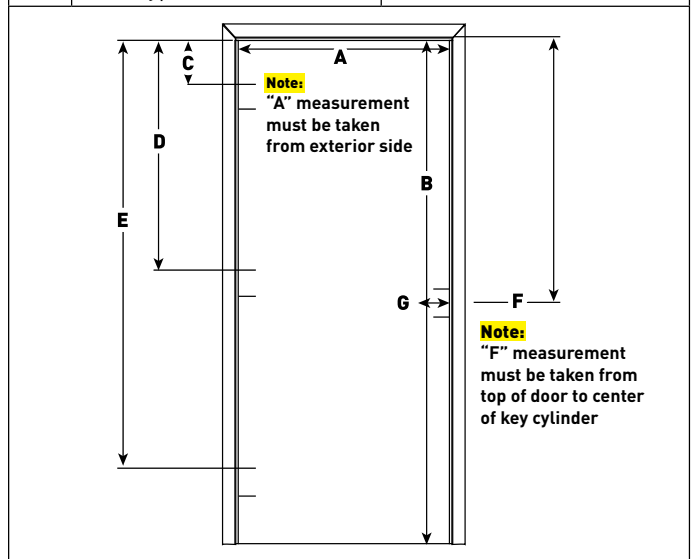
ORDER CHECKLIST

WALL:

☐ DRAWING INCLUDED

Rough Opening Width x Height	
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	LOCATION DESCRIPTION	DIMENSION (1/16" Tolerance)
A	Door Width (See note below)	
B	Door Height	
C	Top Hinge Location	
D	Middle Hinge Location	
E	Bottom Hinge Location	
F	Lock Location (See note below)	
G	Lock Type & Backset	



GLASS TYPE:

5mm Clear	Sealed Unit Clear
Sealed Unit Low-e	Custom Glass

HINGE TYPE:

Butts
Pivots
Continuous Hinge Full Mortise
Continuous Hinge Surface Mount

HARDWARE:

MS Lock, TT, Key Cylinder	Latch Lock, Lever Handle, Key Cylinder
Latch Lock, Paddle Handle, Key Cylinder	No Locks
Auto Operator & Actuators	Conc. Vert Rod Panic
Latch Lock Panic	1" Diam. Push/Pulls
E-Strike (voltage/current)	5" Sill
Standard Push/Pulls	Closer



	INTERIOR USAGE	EXTERIOR USAGE	THERMAL FRAME	THERMAL DOOR	SCREW APPLIED STOP	POCKET GLAZE	SURFACE GLAZED	CLEAR ANODIZED	BRONZE ANODIZED	BLACK ANODIZED
	APPLICATION		CONSTRUCTION		GLAZING TYPE			FINISH		
SERIES 400										
Window System (400)	X	X			X			X	X	X
400 48	X	X			X			X	X	X
400 88	X	X			X			X	X	X
SERIES 450										
Window System (450)	X					X		X	X	X
450 48	X					X		X	X	X
450 88	X					X		X	X	X
SERIES 451										
Window System (451)		X	X			X		X	X	X
451 48		X	X			X		X	X	X
451 88		X	X			X		X	X	X
SERIES 452										
Window System (452)		X	X	X		X		X	X	X
452 207		X	X	X		X		X		X
452 210		X	X	X		X		X		X
Curtain Wall										
2500.2		X					X	X	X	Powder Coated
2500.3		X					X	X	X	
Thermal (Coming Soon)		X	X				X	X		X