



BRAVURA

ARCHITECTURAL
PRODUCTS

SECTOR BROCHURE

POST EDUCATION



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POST EDUCATION

SPACE MANAGEMENT

PK30 SYSTEMS

FIXED PANELS

Fixed panels up to 12 feet in height and or up to 12 feet in width are standard. Vertical, horizontal or crossed mullions may be specified. All fixed panels have built-in height and sidewall adjusters to accommodate out of level conditions. Fixed panels may be ganged together, the panel-to-panel connectors automatically set 1/8" reveals between panels. Enhanced minimal design, clear sight lines and wide expanses of glass without the use of vertical framing members is achieved by specifying internally butt glazed fixed panels. Panels up to 12 feet wide and 10' tall may be internally butt glazed as well as 90° inside and outside panel corners. Fixed panel segmented curved walls are also possible. Any panel material may be specified from 1/4-inch to 9/16-inch in thickness; clear, translucent, opaque, writable surface material, metal panels or specialty glass to name a few.

FOLDING WALLS / OPERABLE PARTITIONS

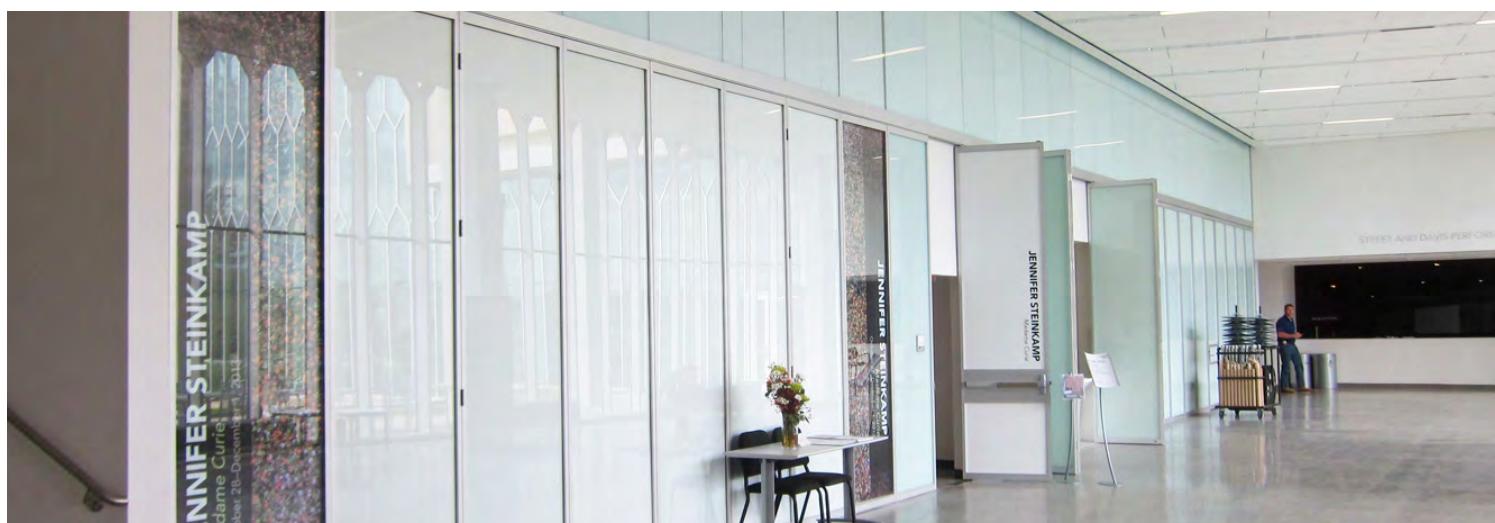
PK-30 folding operable partitions open up infinite possibilities; featuring extremely quiet running properties, low parking area space requirements and excellent quality. Individual panels may not exceed 176 lb. Maximum panel width is approximately 40-inches wide and maximum height is 12'. Centerfold and Variofold offer trouble-free and flexible solutions to closing room openings of up to 19' 8" or even up to 39' 4" with opposed installations. A stationary egress door may be fitted into the system opposite the stack. The lead panel out of the stack may be configured as a pivot door, providing a convenience opening without having to operate the entire wall.

- Centerfold is a high quality accordion wall hardware system for operable room partitions. The suspension point for this system is located at the panel center. The balanced stack is centered on the upper suspension track. Extremely wide installations are possible without bottom guide channels.
- Variofold is a high quality Bi-folding partition system. The stack is offset to the upper suspension track. A bottom guide channel provides firm stability for installations with more than two doors per side.

SLIDING DOORS

PK-30 System sliding doors up to 10' in width and or up to 12' in height are standard. Single sliding, bi-parting, bi-passing, double and triple telescoping pocket or uni-directional doors are all available. Continuous recessed bottom guide channels add stability but are not required in most applications. PK-30 System sliding door hardware from Hawa AG is compact, strong and reliable, requiring only a soft touch to operate quietly and smoothly. PK-30 offers innovative, efficient solutions for sliding doors up to 450 lb. Use the PK-30 door weight calculator or contact PK-30 to determine the appropriate fitting set for your project.

FSB sliding door locks are standard. The FSB sliding pocket door lock has an integral edge pull, an ADA compliant sliding door lock with vertically mounted levers is a new and unique offering. All FSB locks are available in a variety of functions. Standard North American cylinders allow you to match building standard keyways. Additional hardware solutions include; flush pulls, flush bolts, edge pulls and electromagnetic locks.



JENNIFER STEINKAMP
Idame Curie
Office 28-December 1, 2014

DORMA HUPPE

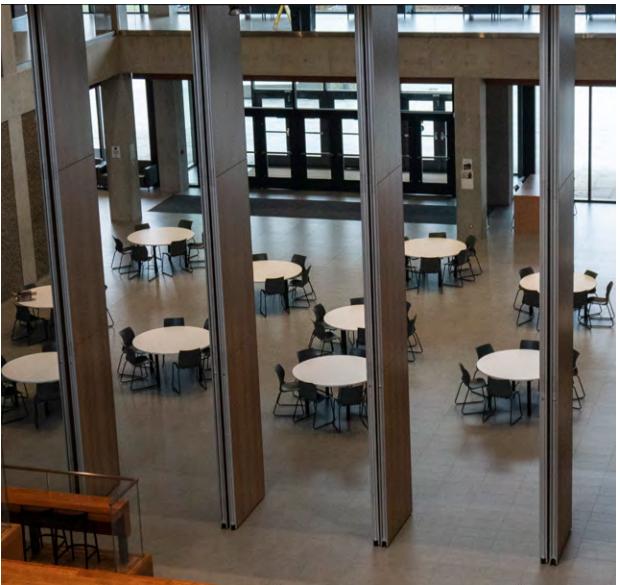
Easily add refinement with fully automated operable solid and glass partitions with clean lines and endless flexibility in space management.

Client's greatest concerns with automatic horizontal partitions:

- Being tied to a standard panel stacking location in the centre of the room

How DORMA Hüppe overcomes these concerns:

- Panel stacking locations not tethered to the partition run line
- Ability to store panels in a corner of a room, or another room altogether
- A proven product used at leading Universities such as UofT, Sherbrooke University, and Princeton



SKYFOLD

Easy to use and fully automatic, Skyfold partitions offers state-of-the-art acoustics ranging from STC 48 to 60 and innovative partition panels that fold vertically in an accordion style.

Client's greatest concerns with folding partitions in a healthcare setting:

- Student safety and installation costs

How using Skyfold overcomes these concerns:

- Two switches (or touch screens) required on each side of the wall for operation
- Bottom obstruction safety sensor
- Electromagnetic brake rated for 200% of the motor's torque rating
- Skyfold systems require far less structural support than other products
- Modular design allows for lower installation cost



MODERNFOLD

Satisfy a variety of needs from basic sight separation to sight and sound separation with Modernfold's line of durable, high quality space division products.

Client's greatest concerns with folding partitions:

- Aesthetics

How using Modernfold overcomes these concerns:

- No vertical trim on solid opaque panels
- 51 STC glass partitions – Industry highest!
- White steel track finished to match standard T-bar systems instead of clear anodized aluminum
- Unlimited finish options from fabrics, applied vinyl, to custom millwork



POST EDUCATION

FIRE & LIFE SAFETY



SMOKEGUARD

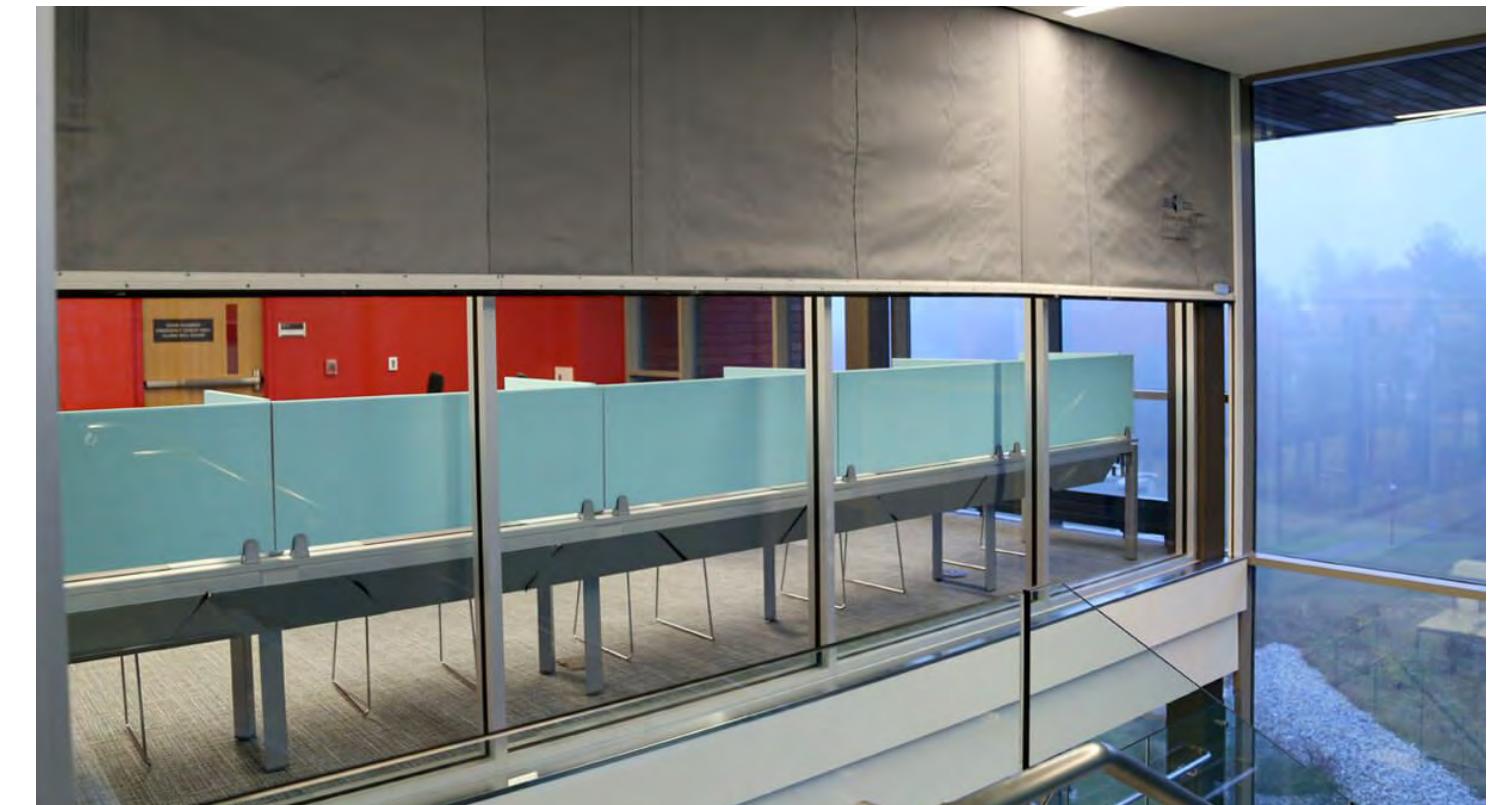
Fire retardant curtains, sometimes referred to as fire or smoke curtains, are curtains specially designed to keep building occupants safe from both heat and smoke during a fire. While many commercial buildings already utilize fire curtains, a growing number of hospitals and other medical facilities now have these curtains installed for smoke and fire protection.

Client's greatest concerns with fire and smoke door products:

- Housing space & esthetics

How using Smokeguard overcomes these concerns:

- Smaller housing units, with most being between 160mm x 160mm – 225mm x 260mm
- Powder coated white ceiling covers (or select any RAL colour)
- Low profile side guide and jambs





POST EDUCATION

DAYLIGHTING

SOLATUBE

Solatube Daylighting Systems feature innovative optical technologies that balance light output and thermal performance, delivering optimal light levels without uncomfortable heat gain, glare or shifting patterns of light. Solatube's unique design also minimizes impact on the building envelope, allows for easy integration with electrical lighting systems and eliminates ongoing maintenance. The result is a cost-effective and energy-efficient solution that brings daylight to previously unreachable spaces—like interior classrooms, gyms, and windowless libraries.

Client's greatest concerns with top mounted daylighting products:

- Leaks and condensation, and cost

How using Solatube overcomes these concerns:

- High impact, optically advanced domes which meet DoD Antiterrorism standards and FM rated
- One piece leak-proof & insulated flashing
- FEMA Safe Room rated for Tornados and Hurricanes
- Incredibly cost effective

KALWALL

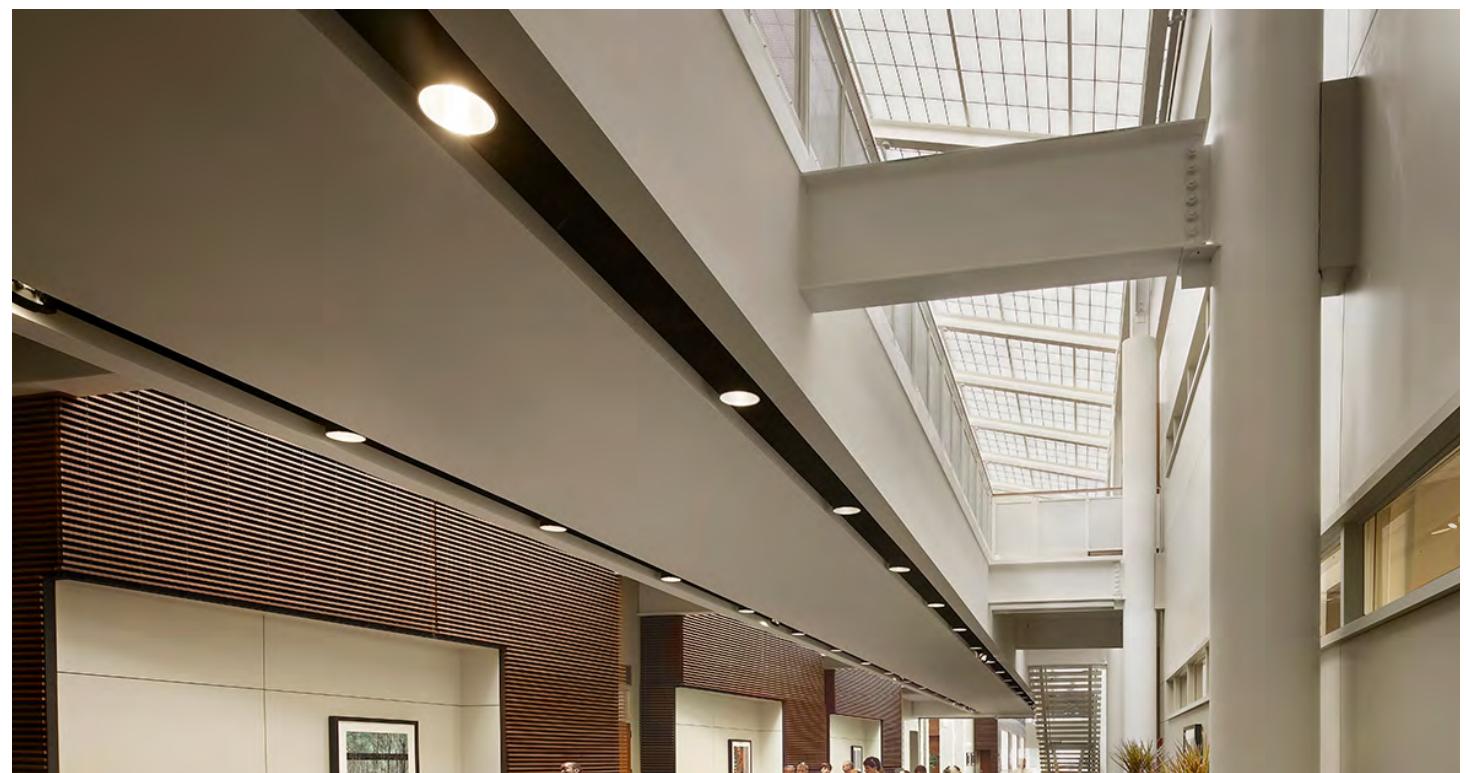
Kalwall has been daylighting Universities and Colleges across Ontario for more than five decades. Our balanced, natural daylighting creates more productive, comfortable learning environments that illuminate.

Client's greatest concerns with fenestration products:

- Cost, thermal performance, and longevity

How using Kalwall overcomes these concerns:

- Lower upfront cost than typical curtain wall systems
- Self cleaning and virtually maintenance free
- Highest insulating daylight system in North America, with up to R20 panels
- Solar heat gain coefficient values typically between 0.15-0.08
- Colour stable, south Florida tested, and designed to be a lifetime building product in Ontario



STRUCTURES UNLIMITED

StructuresUnlimited has engineered, fabricated, and installed countless canopy and covered walkway designs for the higher education market for almost 50 years. A single source solution to design, engineer, fabricate, and erect cost-effective entrance canopies using factory finished, structural aluminum systems cladded with Kalwall translucent panel.

Clients greatest concerns with entrance canopies:

- Cost & schedule implications

How using StructuresUnlimited overcomes these concerns:

- Lower total cost of ownership than traditional built-up canopy systems
- Single source from start to finish (no more "finger pointing")
- Always on-time and on-budget
- Factory finished aluminum framing



VELUX MODULAR SKYLIGHTS

LONGLIGHT 5-30°

A mono-pitched solution ideal for flat roofs

Suitable For:

- Flat and sloped roof
- Flat roofing material
- Opening width in roof min./max. 0.6-3.1 m (for venting modules 0.8-2.5 m)
- Rooflight installation pitch 5-30°

Key benefits:

- Subtle expression thanks to low pitch design
- Adding daylight to hallways, corridors and large rooms
- Great value-for-money due to fast and hassle-free installation



NORTHLIGHT 25-90°

A rooflight series for sloped, shed or saw tooth roofs.

Suitable For:

- Sloped, shed or saw tooth roof
- Flat roofing material
- Opening width in roof min./max. 0.6-3.1 m (for venting modules 0.8-2.5 m)
- Rooflight installation pitch 25-90°

Key benefits:

- Possibility of upright design
- Prevents glare and lets in a soft light when facing North
- Designed for installation directly in sloped roofs without adding a sub-construction

WALL-MOUNTED LONGLIGHT 5-45°

A rooflight series used to connect different building heights with a flat roof as the base and a vertical wall at the top.

Suitable For:

- Roof type and material: Flat roof
- Opening width in roof min./max. 0.6-3.2 m (for venting modules 0.8-2.6 m)
- Rooflight installation pitch 5-45°

Key benefits:

- Enables innovative solutions for new buildings and extensions
- Adds daylight, height and space to a room
- Fast and easy installation

RIDGELIGHT 25-40°

A dual pitched rooflight for installation on a flat roof or at a roof apex.

Suitable For:

- Flat roof and at the top of a sloped roof
- Flat roofing material
- Opening width in roof min./max 1.1-4.5 m (for venting modules 1.4-4.5 m)
- Rooflight installation pitch 25-40°

Key benefits:

- Ensures maximum daylight and thermal comfort
- Adds spaciousness to the area below
- Totally self-supporting solution



STEP LONGLIGHT/RIDGELIGHT

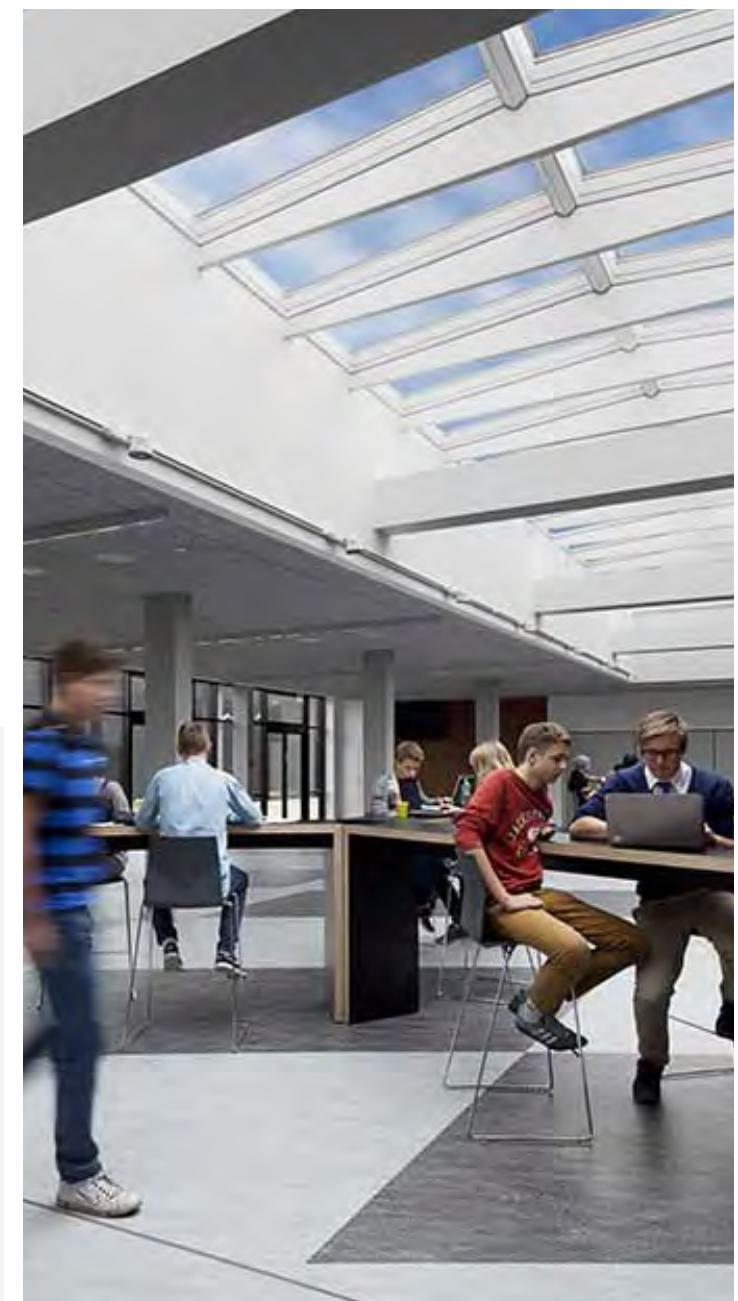
Multiple rows of skylight modules connected to create a large glass roof.

Suitable For:

- Flat roof
- Flat roofing material
- Roof opening extra large
- Rooflight installation pitch 5-25°

Key benefits:

- Prefabricated solution for large, glazed roofs
- Elegant design with option of slim beams between the rows/steps
- Maximum daylight through the roof



CENTER RIDGE I-BEAM RIDGELIGHT

A dual pitched rooflight installed against each other on a steel beam* to form a ridge

*Steel beam is supplied by other vendors.

Suitable For:

- Flat & pitched roof type
- Large roof opening
- Rooflight installation pitch 5° to 40°

Key benefits:

- Ensures maximum daylight and thermal comfort
- Adds spaciousness to the area below
- Great design flexibility

atrium LONGLIGHT/RIDGELIGHT

Multiple rows of skylight modules that can be combined to create a large glass roof.

Suitable For:

- Flat roof
- Flat roofing material
- Roof opening extra large
- Rooflight installation pitch 5-40°

Key benefits:

- Ideal for construction of large, glazed roofs
- Easy, fast and secure installation
- Great design flexibility

ONTARIO

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