VERTICAL INNOVATION

The Acoustic Leader in Vertically Folding Retractable Walls

SKYFOLD®
dormakaba Group

Discover the Skyfold family of products:
Custom built and automatic vertically folding operable walls that unite acoustics, flexibility, design and performance.

All Skyfold systems are:
- Acoustic walls that exceed industry standards
- Space dividers that are self-retracting and sized for each project
- Decorative elements with distinctive, customizable design options

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< Reilly Pozner – Denver, Colorado USA
Skyfold Classic™ 51
Architect / Interior Designers: Gensler

Cover page project:
Newfield Conference Center – The Woodlands, Texas USA
Skyfold Classic™ 51
Architect / Interior Designers: Abel Design Group, Ltd.

ABOUT US

Revolutionizing How You Design Spaces

At Skyfold Inc. "we think vertical": we are the acoustic leader in vertically folding retractable walls. Our walls are more than just space dividers: they are innovative, custom, electric and premium multipurpose space solutions that allow architects, interior designers, contractors and end-users to redefine how a space is used. The easy-to-use, self-retracting system and vertical motion of the wall give users the flexibility to quickly divide or expand spaces. When deployed, Skyfold becomes a two-sided, rigid wall and acoustic barrier with acoustic ratings of up to STC 60 (RW 59) for sound isolation and NRC/SAC of up to 0.65 for noise reduction. When not in use, the Skyfold wall disappears into the ceiling to maximize the floor space.

Our solutions are not just acoustical walls used to reconfigure spaces; they are created to be multipurpose design pieces that live within a space. With a wide selection of finish options that can be mix-and-matched, your Skyfold wall can be customized to complement, and even enhance, your space's design. Our standard white markerboard surface finish further transforms a partition wall into a projection screen and a writing surface that colleagues or students can use to brainstorm and that teachers can use for lecture notes.

We are innovators and leaders in the movable wall industry. All Skyfold walls are expertly made in the manufacturing facility at the Skyfold Headquarters in Montreal, Canada. With thousands of walls installed worldwide, Skyfold is the premium choice for architects, interior designers, and end users.

Jackson Healthcare – Atlanta, Georgia USA
Skyfold Classic 55™
Architect / Interior Designers: Rule Joy Trammell & Rubio
Photo credit: Katie Bricker Photography

Air Lease - Los Angeles, California USA
Skyfold Zenith® Premium 60
Architect / Interior Designers: HOK
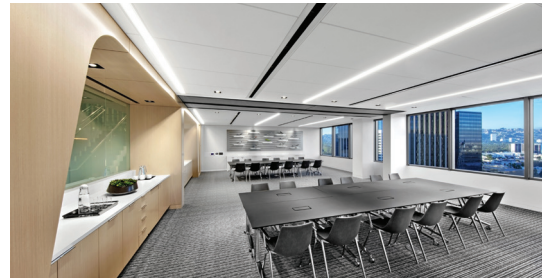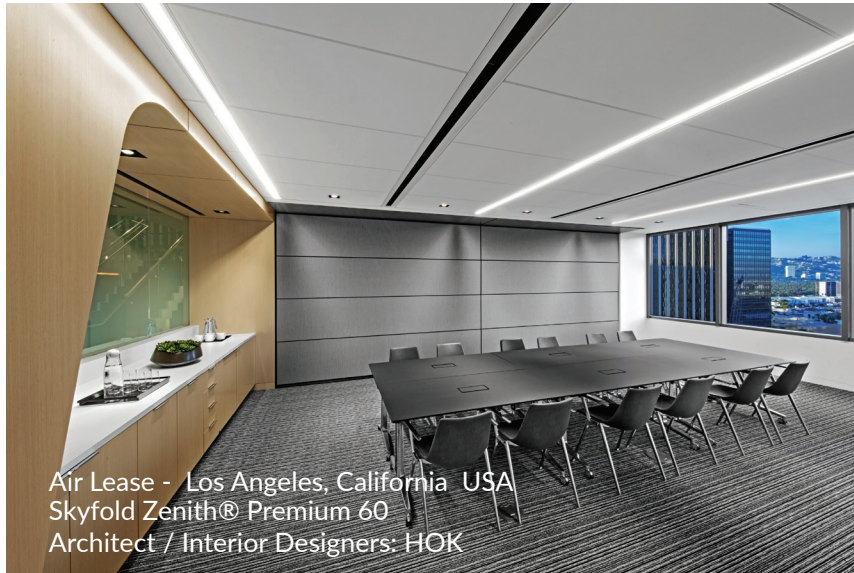
Zenith® Premium Series

Seamless integration into any space

The Zenith® Premium Series—the newest addition to the Skyfold line of products—encapsulates every benefit of Skyfold walls while solidifying Skyfold's place as the leader in automated vertical wall innovation: superior acoustic performance, ease-of-use, design, and seamless integration into any space.
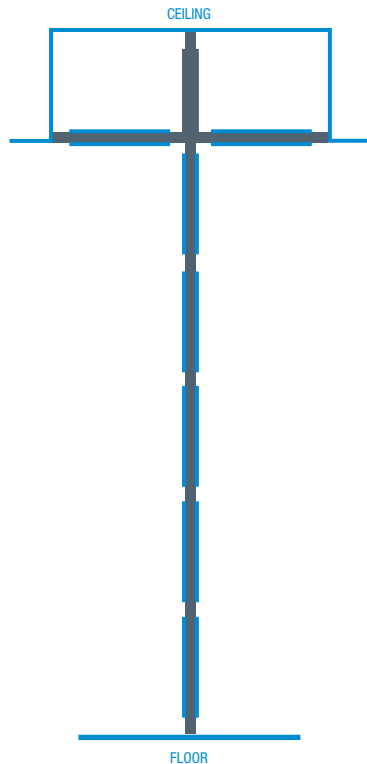
Zenith® Premium Series

ADVANTAGES

- Retracts into the Ceiling to Maximize Floor Space
- Industry-Leading STC Ratings
- Seamless Ceiling Integration with Horizontal Panels
- Narrow Path of Travel
- No Floor, Wall Tracks or Visible Hinges
- Fully Automatic
- Easy-to-Use Operation with LCD Display Touch Screens

- Quiet Operation
- Lightweight Panels
- Flat and Rigid
- Cost-Effective and Lightweight Structure
- Faster deployment compared to other models
- Equipped with a Safety Obstruction Sensor
- Variety of Finish Options

CEILING

FLOOR

ACOUSTIC PERFORMANCE OF INSTALLED SYSTEMS
- Zenith Premium 51   Exceptional sound isolation (STC 51 / RW 51)
- Zenith Premium 55   Superior sound isolation (STC 55 / RW 54)
- Zenith Premium 60   Maximum sound isolation (STC 60 / RW 59)
- Zenith Premium NRC Excellent sound absorption with noise reduction
                                    coefficient (NRC/SAC) of up to 0.65 (STC 50 / RW 49)

CUSTOM DIMENSIONS
- Width: Unlimited
- Height: Maximum height 14 feet (4.2m)

STANDARD FEATURES
- Pocket closure panels
- Two LCD display touch screens with a multilingual interface
- Faster deployment time (versus regular Zenith model)

FINISHES
- Wood Veneer, Metal, Vinyl, Fabric, Plastic Laminate (Melamine),
  Paint, Mural, Marker Board Surface or create a custom design.
  (Zenith Premium NRC is available in acoustically transparent fabric only)
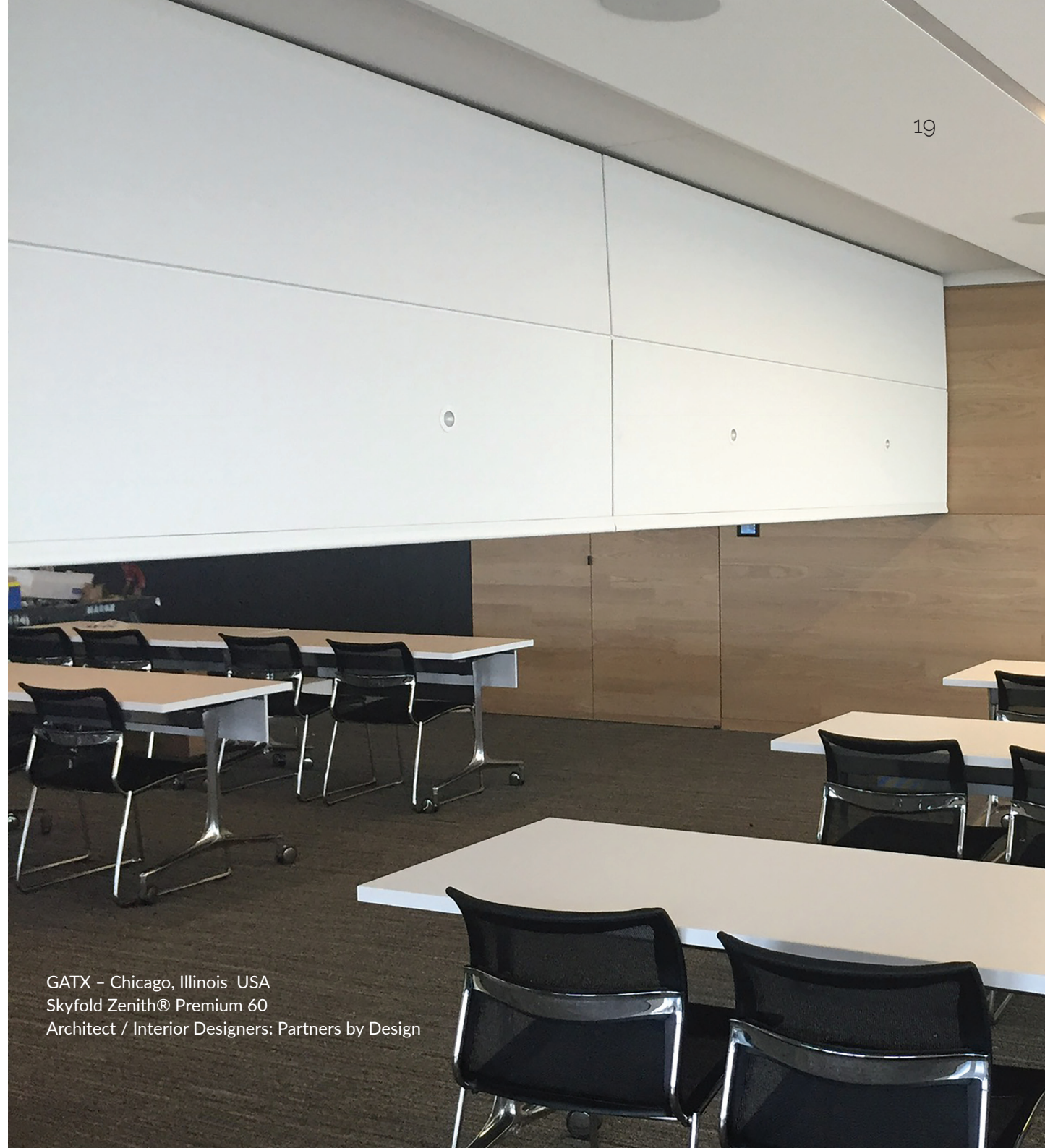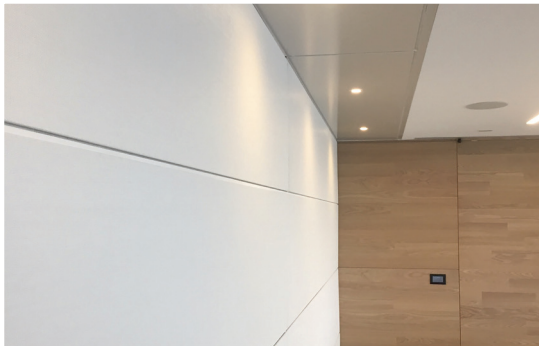
GATX – Chicago, Illinois USA
Skyfold Zenith® Premium 60
Architect / Interior Designers: Partners by Design

Zenith® Premium Series

Copper Blues Live at Desert Ridge - Phoenix, Arizona USA
Skyfold Zenith® Premium 60
Architect / Interior Designers: Bar Napkin Productions

Zenith® Premium Series
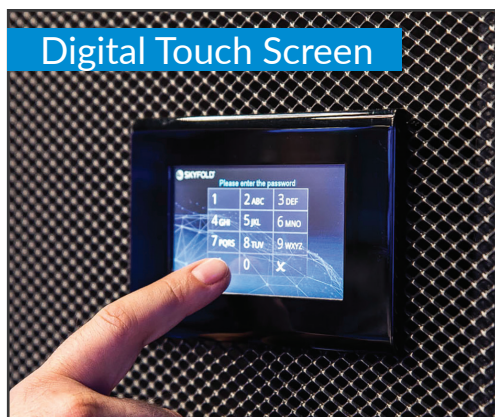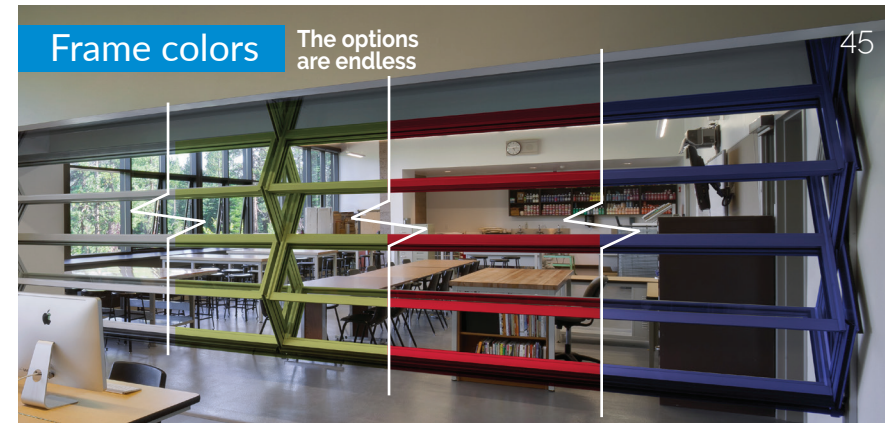

Fish & Richardson - San Diego, California USA
Skyfold Zenith® Premium 51
Architect / Interior Designers: ID Studios

● Available Options

	Zenith	Zenith Premium	Classic	Mirage
Key/Button Control	●	●	●	●
Digital Touch Screen	●	Included	●	●
LED Lighting	●	●	●	
Seal colors	●	●	●	
Frame colors				●

LED Lighting

Finishes: Polished or brushed Stainless Steel and white

LED Lighting

Finishes: Mirror-Polished or Matte Chrome

Frame colors — The options are endless

Black seal

White seal

Digital Touch Screen

Key/Button Control

LED Lighting: Available on all models except for the Mirage glass model. Available in two bezel shapes that surround the frosted glass lens. Available in neutral white (4000K) and warm white (2800K).

Digital Touch Screen: Simple to use. Backlit 10-key keypad. Multilingual capabilities. 4-digit programmable user PIN. Real-time on-screen communication display. 2 digital keypads included. Connection to optional LED lighting with dimming feature available. Available on all Skyfold models!

Key/Button Control: Easy to use Turn-Key operation. With a simple push button operation, a room can be quickly and quietly reconfigured to provide the user with tremendous space flexibility. There is no longer any need for manual intervention to position the wall in order to change a room's configuration.

Acoustic seals: Available in white or black. Available on all models except for the Mirage. White seals not available on Zenith 48.
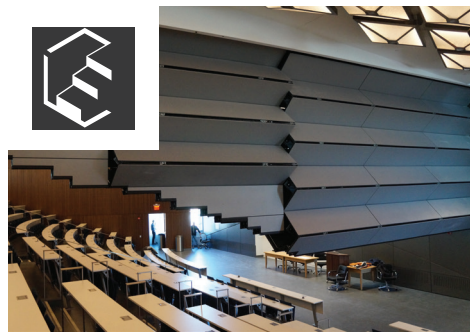
Frame colors: Standard and custom colors available. Available on Mirage glass model only.

Applications

Workspace | Education | Hospitality |

Healthcare | Convention Center

Specialty Applications

Stepped and Sloped Walls | Intersecting Walls | Egress

Workspace

In an open concept office setup, employees have ample space to collaborate with colleagues, but are sometimes faced with noise distractions and a lack of privacy. Skyfold's acoustic flexible space solutions in offices worldwide present the ideal balance by creating multipurpose spaces that can be quickly divided while maintaining noise control and a sense of community.

A. Borden Ladner Gervais - Vancouver, BC Canada
Skyfold Classic™
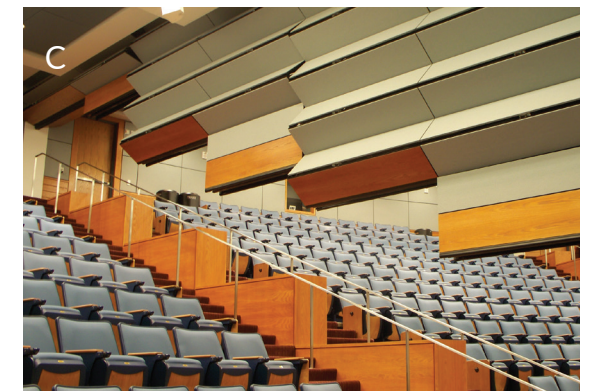Architect / Interior Designers: HOK - Vancouver.

B. KPMG Vaughan Metropolitan Centre– Toronto, Ont Canada
Skyfold Zenith® 51
Architect / Interior Designers: Gensler

C. Stadsbader – Harelbeke, Belgium
Skyfold Classic™ 51
Architect / Interior Designers: Bureau d'Hondt

Education

Schools are faced with a growing student population with a limited square footage. Skyfold's acoustic flexible space solutions allow schools to get creative with how they manage their space all while providing noise control so that students can focus on their studies.

Costeo Photgrapy Inc.

A. South Lake Tahoe High School- California USA
Skyfold Mirage®
Architect / Interior Designers: LPA

B. University of West Georgia Biology Building
Skyfold Zenith® 55
Architect / Interior Designers: Cooper Carry

C. Texas A&M University Mitchell Physics Building
Skyfold Classic™ 51
Architect / Interior Designers: Michael Graves & Associates

Hospitality

When square footage and revenue are intertwined, you need to ensure that every inch of a client's space is used to the fullest. At a touch of a button, the Skyfold wall unfolds from the ceiling to transform your space in a matter minutes without any manual labor.

A. Andaz Hotel – Rocher District, Singapore
Skyfold Classic™ 55
Architect / Interior Designers: AFSO

B. Martin's Valley Mansion - Hunt Valley, Maryland USA
Skyfold Classic™ 51
Architect / Interior Designers: Levin/Brown & Associates

C. The Berkeley Hotel–London, England, UK
Skyfold Classic™ 55
Architect / Interior Designers: Heah & Co.

Healthcare

Healthcare is constantly adapting to changes impacting the patients it serves. Skyfold walls are innovative and premium multipurpose space solutions that allow architects, interior designers, contractors and end-users to redefine how a space is used.

A. University of New Mexico – Health Science Center –
Albuquerque, New Mexico USA
Skyfold Classic™ 55
Architect / Interior Designers: Dekker Perich Sabatini

B. University of California San Francisco MSB
Anatomy Lab – USA
Skyfold Classic™ 51
Architect / Interior Designers: Harley Ellis Devereaux

C. Jackson Healthcare – Atlanta, Georgia USA
Skyfold Classic™ 55
Architect / Interior Designers: Rule Joy Trammell & Rubio

Convention Centers

With operable walls that go up to 36 ft. and that are unlimited in width, Skyfold provides acoustic and automated flexible space solutions for your exposition spaces. A multi-wall acoustic configuration gives you the opportunity to generate even more revenue as events can occur simultaneously without disruption.

A. Walter E Washington Convention Center – DC USA
Skyfold Classic™ 51
Architect / Interior Designers: Group Goetz Architects

B. OCEC - Oman Conference & Exhibition Centre
Skyfold Classic™ 51
Architect / Interior Designers: WATG-London & SSH Inter'l-Muscat
255.9' long and 26.41' high (78m and 8.05m)

C. Swedish Gothia Towers – Gothenburg, Sweden
Skyfold Classic™ 55
Architect / Interior Designers: Abako Arkitektkontor

Stepped & Sloped

Skyfold's automated vertically folding retractable walls are ideal for almost any space in an educational facility. Find Skyfold in stepped or sloped auditoriums for team meets, seminars or presentations. Skyfold provides acoustic and automated flexible space solutions for your auditorium spaces.

A. UKCMRI The Francis Crick Institute – London, England UK
Skyfold Classic™ 60
Architect / Interior Designers: HOK

B. OHSU - Oregon Health & Science University - Collaborative Life Science Building – Portland, Oregon USA
Skyfold Classic™ 51
Architect / Interior Designers: Sera & Co. Architects

C. Training Center in NYC - College Point, New York USA
Skyfold Classic™ 55
Architect / Interior Designers: Perkins & Will

Intersecting wall

A multi-wall acoustic configuration gives you the opportunity to generate even more revenue as events can occur simultaneously without disruption. And, with options to intersect Skyfold walls at 90°, T- and L-angles, the floor plan configurations are endless.

A. Johnson Student Center – Santa Ana, California, USA
Skyfold Classic 55™
Architect / Interior Designers: HPI Hill Partnership Inc.

B. DTE Mt Clemens – Mt. Clemens , Michigan, USA
Skyfold Mirage® & Skyfold Classic™ 51
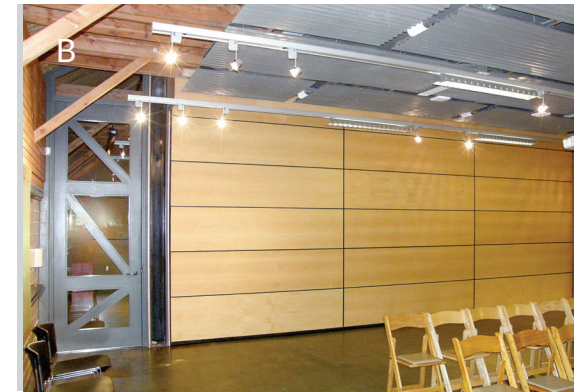Architect / Interior Designers: Tetra Tech

C. Cambridge Bio Genetics Office – Cambridge, Massachusetts, USA
Skyfold Classic™ 51
Architect / Interior Designers: Jacobs Engineering

Egress door

There are many options to choose from when creating egress doors with Skyfold's vertically retracting walls. Not only do they provide practical and effective solutions, they can be a thing of beauty and exactly tailored to your specifications.

A. Westfield - Sydney Australia
Skyfold Classic™ 51
Architect / Interior Designers: Woods Bagot

B. Barn at Fallingwater - Mill Run, Pennsylvania USA
Skyfold Classic™ 51
Architect / Interior Designers: Bohlin Cywinski Jackson

C. Salvation Army - Harbour Light Center- Toronto, Ont. Canada
Skyfold Classic™ 51
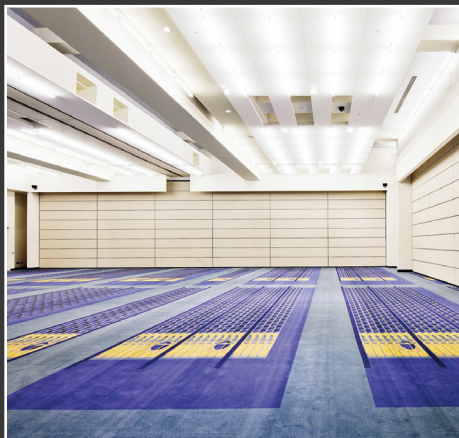Architect / Interior Designers: Diamond & Schmitt Architects

Product Line
COMPARISON SUMMARY

Zenith® Premium Series

Zenith® Series

Classic™ Series

Mirage®

SKYFOLD ZENITH SERIES

	Model 48	Model 51	Model 55	Model 60	Model NRC
TECHNICAL (IMPERIAL)					
STC (System)	48	51	55	60	50
STC (Panel)	57	61	61	66	60
NRC (System)	-	-	-	-	Up to 0.65
Max Height (ft.)	12	12	12	12	12
Max Length (ft.)	48	Unlimited	Unlimited	Unlimited	Unlimited
Weight (lbs/sq.ft.)	6	6.2	6.8	8.6	6.5
Available Finishes	Limited [3]	Various [1]	Various [1]	Various [1]	Fabric only [4]
Ceiling space required for storage (ft.) - (approx.)	2'-0" to 2'-8.25"	2'-0" to 2'-8.25"	2'-0" to 2'-8.25"	2'-0" to 2'-8.25"	2'-0" to 2'-8.25"
Pocket Width (ft.) - (approx.)	55" to 63.5"	55" to 63.5"	55" to 63.5"	55" to 63.5"	55" to 63.5"
TECHNICAL (METRIC)					
RW (System)	47	51	54	59	49
RW (Panel)	55	60	60	64	58
SAC (System)	-	-	-	-	Up to 0.65
Max Height (mm)	3,660	3,660	3,660	3,660	3,660
Max Length (mm)	14,600	Unlimited	Unlimited	Unlimited	Unlimited
Weight (kg/m²)	29.3	30.4	33.3	42	32.8
Available Finishes	Limited [3]	Various [1]	Various [1]	Various [1]	Fabric only [4]
Ceiling space required for storage (mm) -	615 to 820	615 to 820	615 to 820	615 to 820	615 to 820
Pocket Width (mm) - (approx.)	1,400 to 1,615	1,400 to 1,615	1,400 to 1,615	1,400 to 1,615	1,400 to 1,615
ADDITIONAL FEATURES					
Auto-reverse	Y	Y	Y	Y	Y
Floor track	N	N	N	N	N
Wall tracks	N	N	N	N	N
Obstruction Safety Sensor	Y	Y	Y	Y	Y
Infrared Sensor	N	N	N	N	N
Back-Up Operation	Y	Y	Y	Y	Y
Pocket Closure	N	N	N	N	N
AVAILABLE OPTIONS					
10-year parts warranty	Y	Y	Y	Y	Y
Digital Touch Screen	Y	Y	Y	Y	Y
LED Lighting	Y	Y	Y	Y	Y

Zenith® Premium Series Dimension Chart
STANDARD DRIVE SYSTEM

IMPERIAL

FINISHED CEILING "A"	BEAM HEIGHT "B"	POCKET WIDTH "C"	PANEL HEIGHT "D"	NUMBER OF PANELS HIGH	WALL THICKNESS	MAX PANEL LENGTH ALL ZENITH PREMIUM MODELS
7'-0" 7'-6"	9'-2" 9'-8"	66 7/8" 70 7/8"	26 3/4" 28 3/4"	3 High + 1 Horizontal	11 3/4"	12'
7'-7" 8'-0" 8'-6" 9'-0" 9'-6" 10'-0"	9'-9" 10'-2 1/2" 10'-8 1/2" 11'-2 1/2" 11'-8 1/2" 12'-2 1/2"	56 3/4" 59 1/4" 62 1/4" 65 1/4" 68 1/4" 71 1/4"	21 11/16" 22 15/16" 24 7/16" 25 15/16" 27 7/16" 28 15/16"	4 High + 1 Horizontal	11 3/4"	12'
10'-1" 10'-6" 11'-0" 11'-6" 12'-0"	12'-9" 13'-2" 13'-8" 14'-4" 14'-10 1/4"	59 7/8" 61 7/8" 64 1/4" 66 5/8" 69 1/8"	23 1/4" 24 1/4" 25 7/16" 26 5/8" 27 7/8"	5 High + 1 Horizontal	11 3/4"	12'
12'-1" 12'-6" 13'-0" 13'-6" 14'-0"	14'-11 1/4" 15'-4" 15'-10" 16'-4" 16'-10"	60 61 5/8" 63 5/8" 65 5/8" 67 5/8"	23 5/16" 24 1/8" 25 1/8" 26 1/8" 27 1/8"	6 High + 1 Horizontal	11 3/4"	12'

* Beam heights indicated may vary with wall size and motor size.
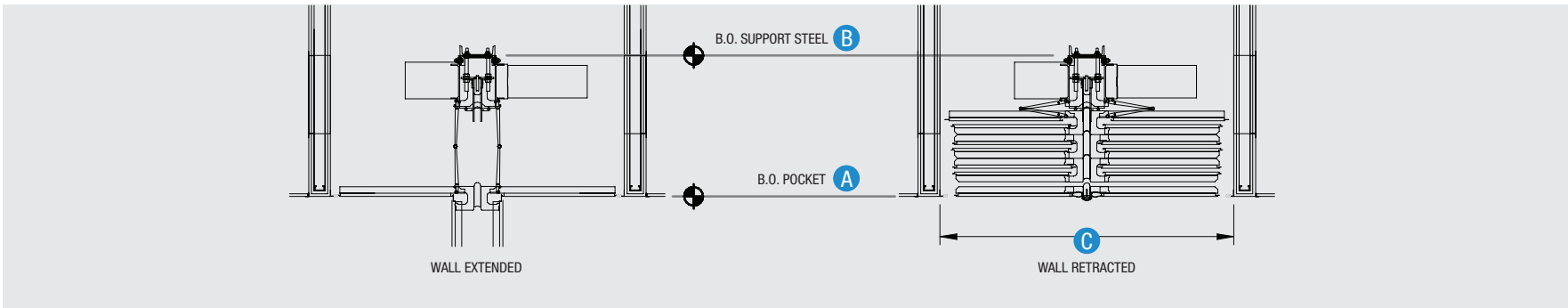This table is not for construction purposes. Refer to shop drawings for final build to dimensions

METRIC

FINISHED CEILING "A"	BEAM HEIGHT "B"	POCKET WIDTH "C"	PANEL HEIGHT "D"	NUMBER OF PANELS HIGH	WALL THICKNESS	MAX PANEL LENGTH ALL ZENITH PREMIUM MODELS
2135 2285	2795 2945	1700 1800	679.5 730.3	3 High + 1 Horizontal	300	3657
2310 2440 2590 2745 2895 3050	2970 3110 3265 3415 3570 3720	1440 1505 1580 1655 1735 1810	550.9 582.6 620.7 658.8 696.9 735.0	4 High + 1 Horizontal	300	3657
3075 3200 3355 3505 3660	3885 4015 4165 4370 4530	1520 1570 1630 1690 1755	590.6 616.0 646.1 676.3 708.0	5 High + 1 Horizontal	300	3657
3685 3810 3960 4115 4265	4555 4675 4825 4980 5130	1525 1565 1615 1665 1720	592.1 612.8 638.2 663.6 689.0	6 High + 1 Horizontal	300	3657

* Beam heights indicated may vary with wall size and motor size.
This table is not for construction purposes. Refer to shop drawings for final build to dimensions.
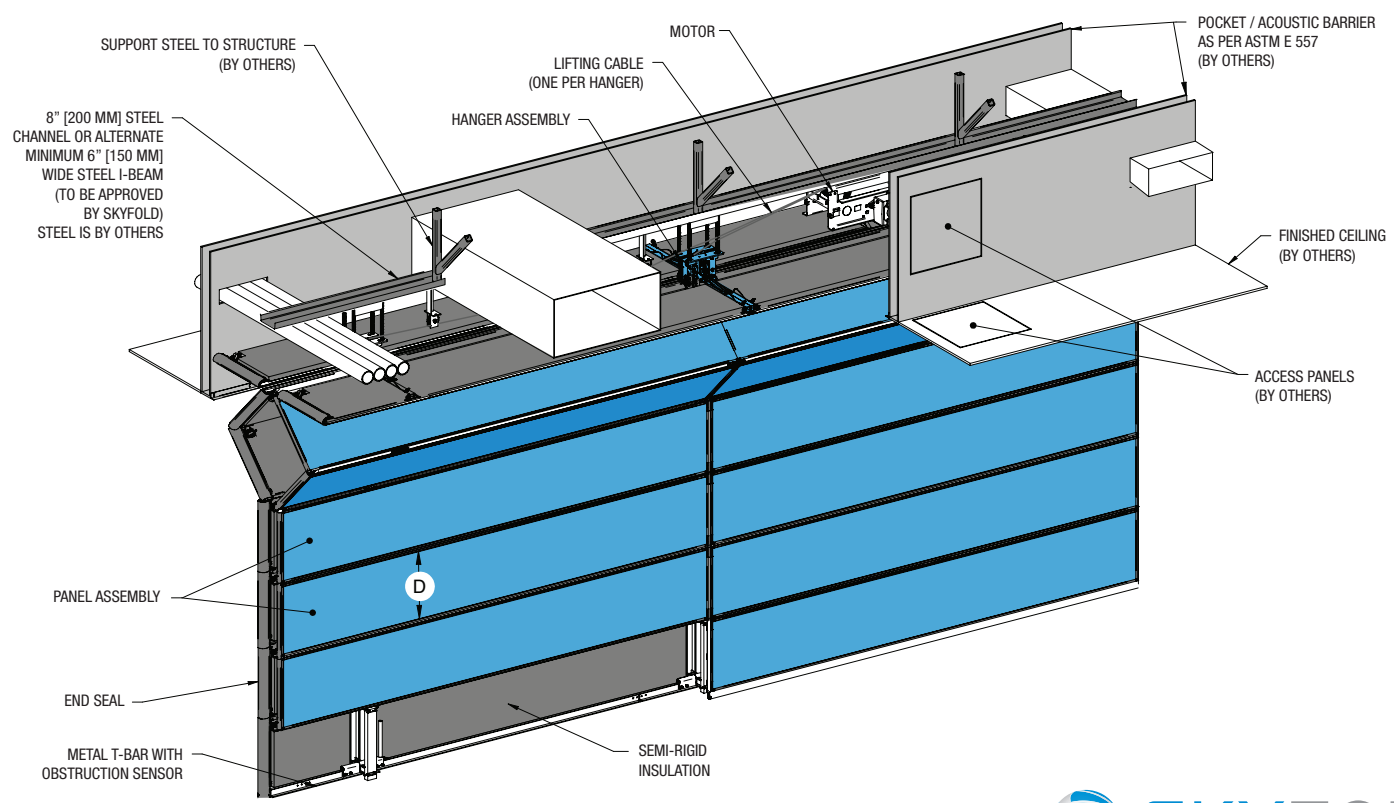
SUPPORT STEEL TO STRUCTURE
(BY OTHERS)

8" [200 MM] STEEL
CHANNEL OR ALTERNATE
MINIMUM 6" [150 MM]
WIDE STEEL I-BEAM
(TO BE APPROVED
BY SKYFOLD)
STEEL IS BY OTHERS

MOTOR

LIFTING CABLE
(ONE PER HANGER)

HANGER ASSEMBLY

POCKET / ACOUSTIC BARRIER
AS PER ASTM E 557
(BY OTHERS)

FINISHED CEILING
(BY OTHERS)

ACCESS PANELS
(BY OTHERS)

PANEL ASSEMBLY

D

END SEAL

METAL T-BAR WITH
OBSTRUCTION SENSOR

SEMI-RIGID
INSULATION

SKYFOLD
ZENITH® PREMIUM SERIES

B.O. SUPPORT STEEL B

B.O. POCKET A

C

WALL EXTENDED

WALL RETRACTED

SKYFOLD®

dormakaba Group

E01/2021

Recycled materials: Up to 97%
Post-consumer: Up to 27%
Pre-consumer: Up to 51%

Skyfold is pleased to be an official member of the U.S. Green Building Council. The Green Council is committed to promoting better designed buildings that are not only more environmentally and socially responsible, but also help improve the quality of life for those who occupy them and the communities in which they are built. The Council has developed a benchmarking system known as LEED (Leadership in Energy & Environmental Design). When it comes to recycled materials, architects and owners who choose a Skyfold vertically folding operable wall system can calculate the following toward LEED accreditation on their projects.
In order to continue protecting our environment, it is essential that we all do our part by using recycled materials whenever possible. Skyfold is proud to help.