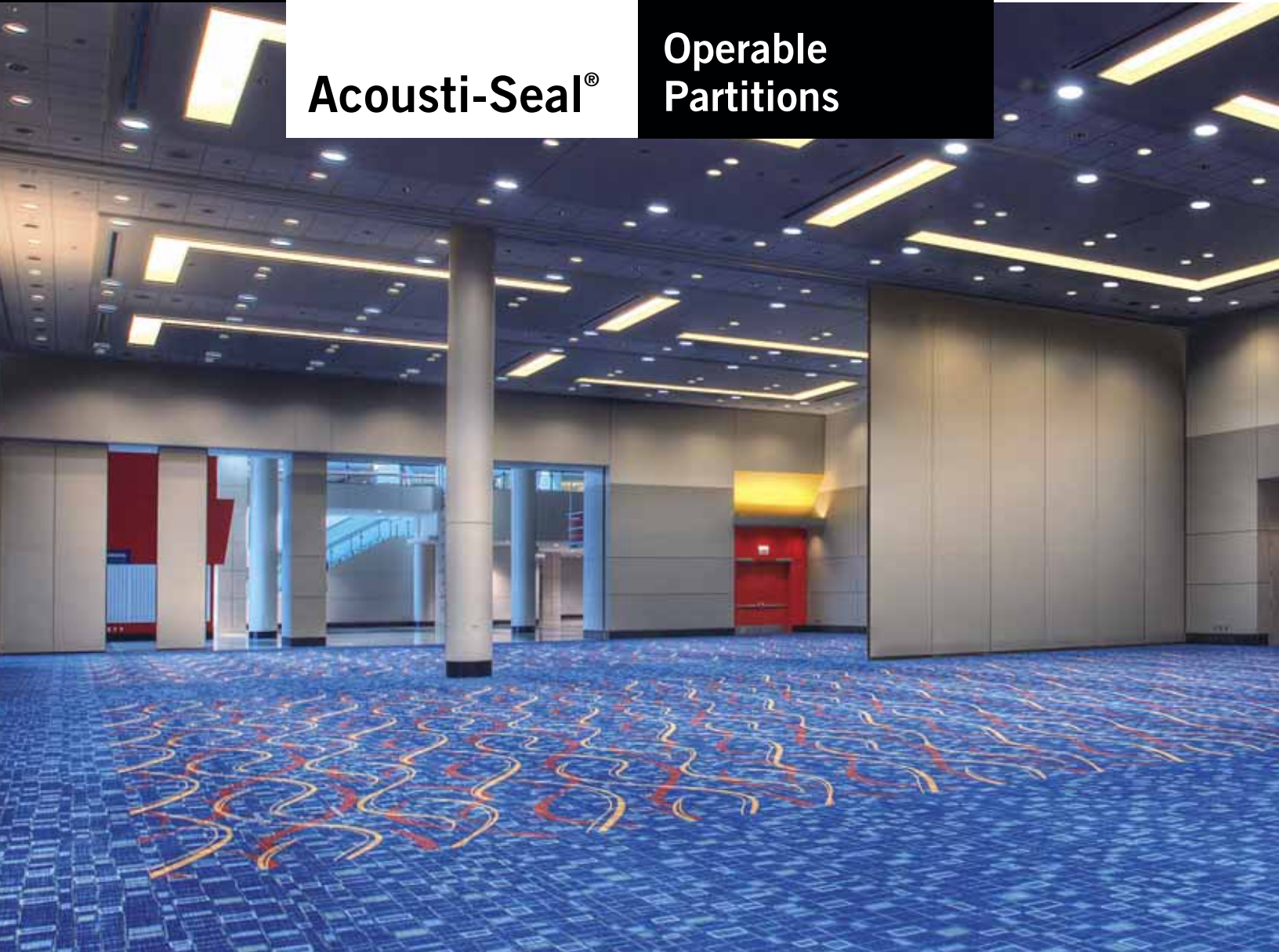


**Acousti-Seal**<sup>®</sup>

**Operable  
Partitions**



## Modernfold Inc. at a Glance

### Intelligent solutions for sophisticated interior design requirements.

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.



Acousti-Seal® Operable Partitions

Ultra-Seal® Operable Partitions

Modernfold GWS Moveable Glass Walls

Soundmaster® Accordion Doors/Partitions



#### WHY USE OPERABLE PARTITIONS?

- Flexibility
- Space Management
- Sound Control
- Traffic Control and Security Enhancement
- Energy Conservation
- Revenue Generation

Since 1925, Modernfold has produced space division products to facilitate optimal space utilization. Modernfold designs, manufactures, and services Operable Partitions, Moveable Glass Walls, and Accordion Doors.

Operable partitions transform interior space requirements to meet current and future demands. They increase revenue potential by allowing room size to be tailored to each event. This flexibility means that a large meeting room can be transformed into several small rooms with minimal setup time, thus maximizing space utilization. Partitions can be designed and utilized in a

variety of ways to facilitate quick setup.

Partitions provide sound control through a wide range of acoustic ratings without fixed wall constraints. Operable partitions allow for more efficient use of floor space and personnel.

Smart Track™—available on all Acousti-Seal single panel systems—simplifies setup, eliminates operator errors, and shortens setup time. Smart Track takes flexible space division to a level not attainable with traditional right angle track systems.

Modernfold's all steel track is durable and reliable, thus providing for low cost of ownership and less downtime.

Modernfold is a DORMA Group Company. With Modernfold and DORMA Hüppe Movable Walls, DORMA is the world's largest manufacturer of moveable walls.

#### A JOB DONE RIGHT

With its reliable, dependable products and the industry's strongest, most dependable distribution system, Modernfold provides confidence that the job is done

right. Modernfold factory-certified installation and maintenance are available throughout North America and in select international markets.

Contact your local Modernfold Distributor for product selection and layout consultation. To locate your Modernfold distributor or for additional information, visit [www.modernfold.com](http://www.modernfold.com) or call 800-869-9685.



## Acousti-Seal<sup>®</sup> Operable Partitions

Modernfold's Acousti-Seal, the industry standard, is offered in three configurations.

### SINGLE PANEL

Single panel systems provide the ultimate in versatility and flexibility along with offering multiple room setups, changes in the location of pass doors and work surfaces, and remote storage.

- Solves complex layout challenges.
- Satisfies high ceiling requirements with custom engineered panels up to 50-feet high.
- Accommodates wide variations in floor conditions.
- Simplifies setup and storage with the use of the Smart Track™ suspension system.
- Often used in conference, multi-purpose, hospitality, and convention facilities.

### PAIRED PANEL

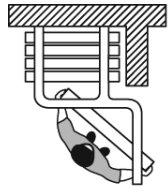
Available in top-supported or floor-supported configurations, the center-hung, paired panels are perfect for straight-line openings and offer quick, easy setup.

- Hinged together in groups of two, facilitating quick, easy setup.
- No auxiliary storage track or support required.
- Economical overhead support of straight-line track.
- Smooth operation.
- SOSS Invisible Hinges or Heavy Duty Barrel Hinges (lifetime guarantee).
- Simple automatic bottom seals for efficient operation.
- Suited for applications that require exceptional durability, acoustic control, and frequent use.
- Panels are designed to be stored at either or both ends of an opening.
- Frequently used to divide classrooms, meeting rooms, or office spaces.

### CONTINUOUSLY HINGED

Continuously hinged panels are connected together in a train, extending as one complete unit. Electrically operated for straight-line openings and simple operation; limited manual operation.

- Setup is quick and effortless.
- Bottom seals are set automatically when the partition is fully extended.
- Lifetime guarantee on heavy duty barrel hinges.
- Keyed switches prevent unauthorized operation and integrated safety systems insure safe operation for electric partitions.
- Electrically operated partitions are frequently used in school gyms, classrooms, hotels, and board rooms.



**Single panel partitions offer the greatest versatility for space division needs.**



For the largest openings, storage in remote pockets, and in complex partition layouts, the single panel is the operable partition of choice.



### ADVANTAGES

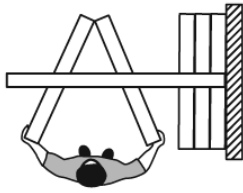
- Solves complex layout challenges.
- Satisfies high ceiling requirements with custom-engineered panels up to 50-feet high.
- One piece panels are available in heights up to 30-feet in welded steel construction.
- Simplifies setup and storage with the use of the Smart Track suspension system.
- Accommodates wide variations in floor conditions.



+ Custom-engineered solutions available beyond maximum height

\* Customers Own Material – must be approved by factory

SINGLE PANEL MODEL	931	911	941
<b>Nominal Panel Thickness</b>	3.06-inch	3.06-inch	4.25-inch
<b>Operation</b>	Manual	Manual Fire Rated	Manual
<b>Frame</b>	Roll Formed & Welded 16/18-gage Steel	Roll Formed & Welded 16-gage Steel	Roll Formed & Welded 16-gage Steel
<b>Skin/Face Options</b>	Steel, MDF Board, Gypsum, Wood Veneer	Steel	Steel
<b>Finish Options</b>	Vinyl, Fabric, Carpet, Plastic Laminate, Full Height Marker/Chalk Board, COM*, Uncovered for field finishing	Vinyl, Fabric, Carpet, Full Height Marker/Chalk Board, COM*, Uncovered for field finishing	Vinyl, Fabric, Carpet, Plastic Laminate, Full Height Marker/Chalk Board, COM*, Uncovered for field finishing
<b>Maximum Width</b>	Unlimited	Unlimited	Unlimited
<b>Maximum Height+</b>	28-feet	28-feet	50-feet
<b>STC</b>	41, 45, 47, 50, 52	45, 50, 52	55
<b>Hanging Weight (STC-dependent)</b>	6 to 11 lb/sq ft	8 to 11 lb/sq ft	13 lb/sq ft



## Paired panels offer the most efficient operable partition option.

Available in top-supported or floor-supported configurations, the center-hung, paired panels are perfect for straight-line openings and offer quick and easy setup. For convenient and economical space division, the paired panel is the ideal solution.

### ADVANTAGES

- Quick setup with movement of two panels at a time.
- Simple automatic bottom seals for efficient operation.
- Smooth operation.
- Optional SOSS® invisible hinge eliminates the hinge protrusion on the panel face, adding safety and a fine line appearance.
- Economical overhead support of straight-line track.

PAIRED PANEL MODEL	932	932FS	912	942
Nominal Panel Thickness	3.06-inch	3.06-inch	3.06-inch	4.25-inch
Operation	Manual	Floor Supported Manual	Manual Fire Rated	Manual
Frame	Roll Formed & Welded 16/18-gage Steel	Roll Formed & Welded 16/18-gage Steel	Roll Formed & Welded 16-gage Steel	Roll Formed & Welded 16-gage Steel
Skin/Face Options	Steel, MDF Board, Gypsum, Wood Veneer	Steel, MDF Board, Gypsum, Wood Veneer	Steel	Steel
Finish Options	Vinyl, Fabric, Carpet, Plastic Laminate, Full Height Marker/Chalk Board, COM*, Uncovered for field finishing	Vinyl, Fabric, Carpet, Plastic Laminate, Full Height Marker/Chalk Board, COM*, Uncovered for field finishing	Vinyl, Fabric, Carpet, Full Height Marker/Chalk Board, COM*, Uncovered for field finishing	Vinyl, Fabric, Carpet, Plastic Laminate, Full Height Marker/Chalk Board, COM*, Uncovered for field finishing
Maximum Width	Unlimited	80'-9"	Unlimited	Unlimited
Maximum Height+	18-feet	12-feet	18-feet	18-feet
STC	41, 45, 47, 50, 52	41, 45, 47, 50, 52	45, 50, 52	55
Hanging Weight (STC-dependent)	6 to 11 lb/sq ft	6 to 11 lb/sq ft	8 to 11 lb/sq ft	13 lb/sq ft

+ Custom-engineered solutions available beyond maximum height

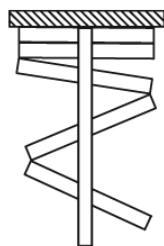
\* Customers Own Material – must be approved by factory



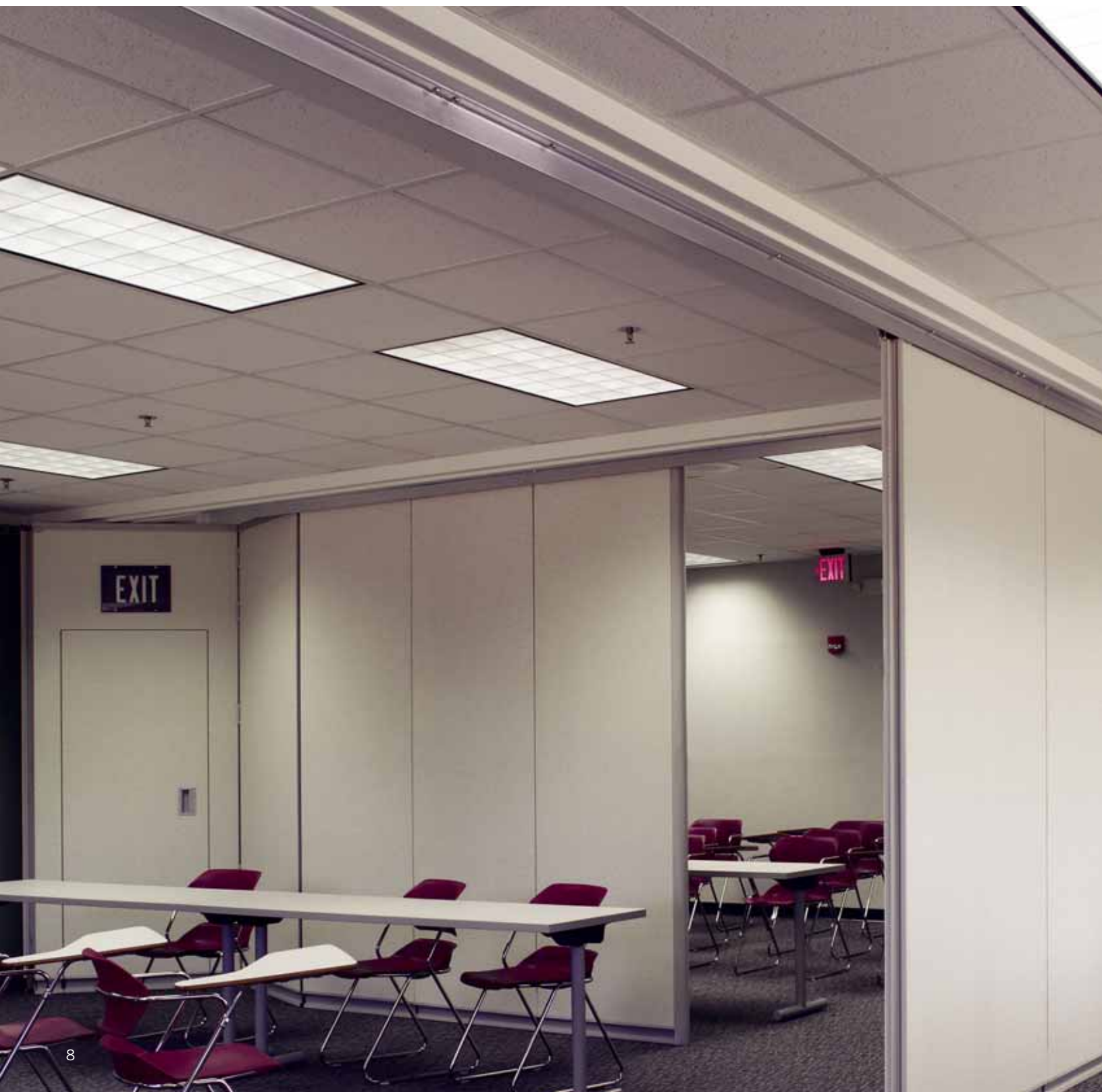


Quickly and easily convert a classroom to meet fluctuations in class size.





**Electrically operated, continuously hinged panels are ideal for quick, easy setup and breakdown.**





Electrically operated partitions facilitate quick setup time and provide efficient and convenient separation. Electric operation provides automatic setup without the need for manually moving the partitions into place.

All Modernfold electric partitions are designed for simultaneous activation by two keyed switches to facilitate safe operation. Operational safety is vitally important to Modernfold.

Modernfold is serious about safety. In addition to the standard built-in mechanisms, a variety of custom options are available, including heat sensitive touch pads, infrared safety systems, and pocket sensors.

#### ADVANTAGES

- Totally automatic electric operation allows for quick separation.
- Keyed switches prevent unauthorized operation.
- Integrated safety systems insure safe operation.
- One-piece panels are available on continuously hinged partitions up to 24-feet tall.



ELECTRIC CONTINUOUSLY HINGED	933E
Nominal Panel Thickness	3.06-inch
Operation	Electric
Frame	Roll Formed & Welded 16/18-gage Steel
Skin/Face Options	Steel, MDF Board, Gypsum, Wood Veneer
Finish Options	Vinyl, Fabric, Carpet, Plastic Laminate, Full Height Marker/Chalk Board, COM*, Uncovered for field finishing
Maximum Width	100'-9" (single), 201'-6" (pair)
Maximum Height+	24-feet
STC	41, 45, 50, 52
Hanging Weight* (STC-dependent)	6 to 11 lb/sq ft

+ Custom-engineered solutions available beyond maximum height

\* Customers Own Material – must be approved by factory

## Modernfold goes beyond the basics to offer solutions that enhance the safety and security of the building.

### FIRE RATED PARTITIONS

- Available in single and paired panel configurations.
- One-hour and two-hour UL fire ratings.



### GREEN BUILDING REQUIREMENTS

- Recycled and recyclable content of products available upon request.
- Custom reports available for each installation.
- Custom products with custom contents available to meet the most stringent requirements.





## ACOUSTICAL CONTROL

- Sound control designed for specific room environment.
- Independent laboratory testing.
- Acoustic ratings up to 55 STC and field sound test ratings to 46 NIC.

Today, acoustical control is a critical factor in virtually every type of environment. That's why it's important when choosing an operable partition system to consider not only the space and configuration of your application and how the wall operates, but also to check out the wall's acoustical performance. The right wall system, in conjunction with complementary architectural elements, can help produce excellent acoustical control.

Choosing the correct wall system brings up many questions.

- What degree of acoustical control will you need?
- What does it take to attain it?
- Which wall system is better for your needs?
- What are the architectural elements of the project with which I should be concerned?

The preceding questions relate primarily to the room-to-room noise reduction provided by the operable partition. The possible need for the operable partition to provide a sound absorbing surface in one or both of the rooms formed by the partition should also be considered. Modernfold offers a guide titled *Making a Sound Decision in Operable Partitions*, which is designed to answer these and many other questions. To obtain a copy of this brochure or if you have questions, email us at [info@modernfold.com](mailto:info@modernfold.com) or call 800-869-9685.

**A variety of custom options  
and accessories to make each  
installation unique.**

**WORK SURFACES**

- Marker boards, chalk boards, and tack boards available with no vertical trim.
- Standard 4'x4' and full height or custom sizes available.



### POCKET DOORS

- Acoustic and non-acoustic solutions to conceal panel storage areas.
- Pre-fabricated with jambs and hardware installed.
- Pre-finished with all available finish options or uncovered for field finishing.

### PASS DOORS

- Hollow metal or matching construction.
- Single and double configurations.
- Acoustical and non-acoustical construction.
- One-hour UL fire ratings available.
- ADA-friendly hardware available.
- Optional window openings.

### WINDOW OPTIONS

- Full height or partial height.
- Factory glazed Plexiglas® or Lexan®.
- Custom cutouts for field glazing.

### SPECIAL ACCESSORIES

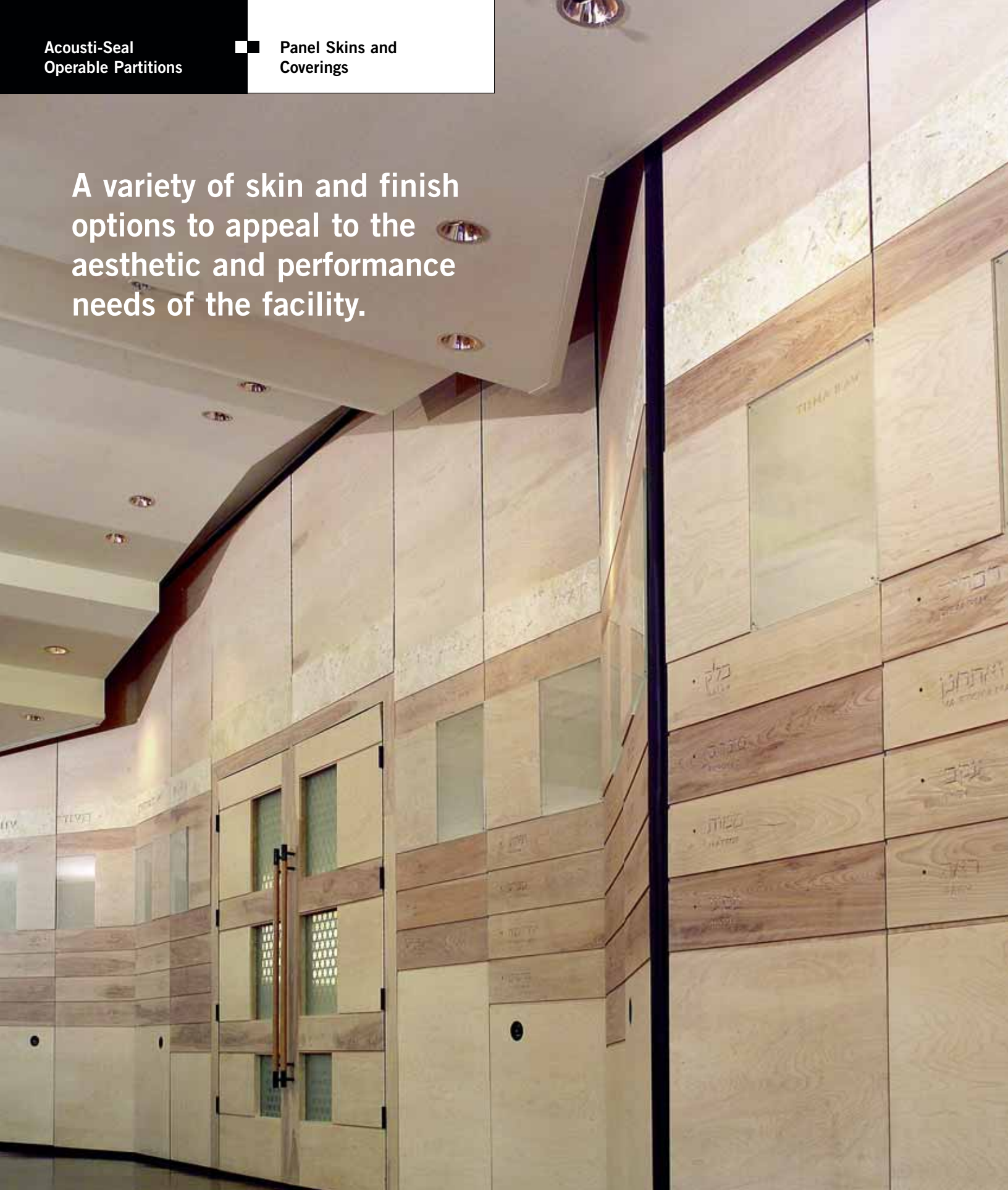
- Chair rail.
- Push plates.
- Recessed exit sign.
- Key-locking foot bolt.

### SPECIAL LAYOUTS

- Sloped floors.
- Floors with risers.
- Sliding partitions.
- Segmented walls (curved layouts).



A variety of skin and finish options to appeal to the aesthetic and performance needs of the facility.



### FINISH OPTIONS

- Standard-weight vinyl wall covering.
- Heavy-duty vinyl wall covering.
- Woven fabrics.
- Ribbed wall carpeting.
- Wood veneers.
- Plastic laminates.
- Customer's Own Material.
- Uncovered for field finishing.

### SKIN OPTIONS

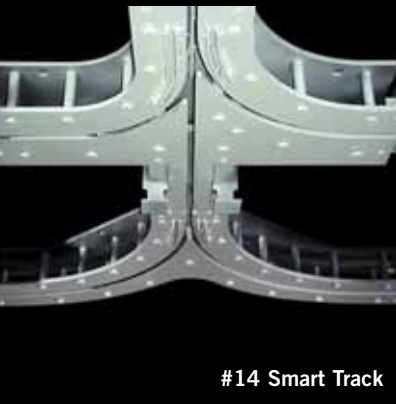
- Steel skins available 22-gage to 14-gage.
- Genuine wood veneer plywood.
- MDF board.
- Moisture-resistant gypsum board.
- Fire Core "C" gypsum board.

### SKIN TREATMENTS

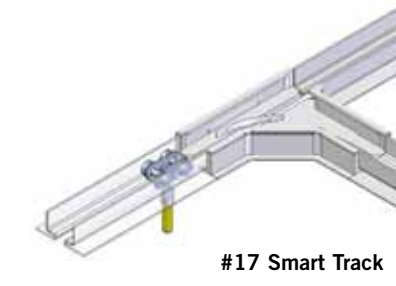
- Perforated steel skins.
- Resilient padding.
- Full-height marker boards.
- Lead lining for x-ray labs.



## High performance, long lasting suspension systems.



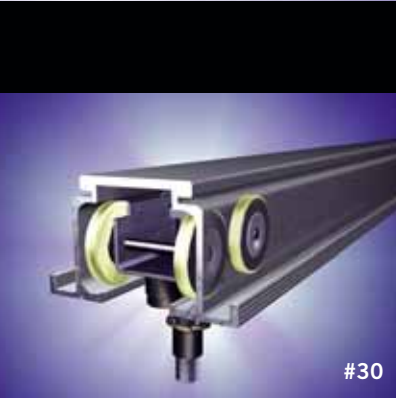
#14 Smart Track



#17 Smart Track



RT200/RT100



#30

Modernfold takes pride in the reliability and durability of its all steel suspension systems—the #14 and #17 are proven to last a lifetime. Smart Track™ technology in conjunction with a durable steel suspension provides for easy operation and low maintenance.

### SMART TRACK™

Modernfold continues to expand the programming capability of the #14 and #17 steel track and trolley systems. These designs solve even the most complex switching challenges without the added expense and maintenance requirements of electric or pneumatic switches. These designs provide added staging and sorting abilities while reducing operational confusion, setup costs, and trolley stress.



### MULTI-DIRECTIONAL SYSTEMS

The RT200 right angle suspension system—available up to 22-feet tall—provides an alternative where grid layouts are a must. The RT100 right angle suspension system is available for heights up to 14-feet.

### #30 TRACK

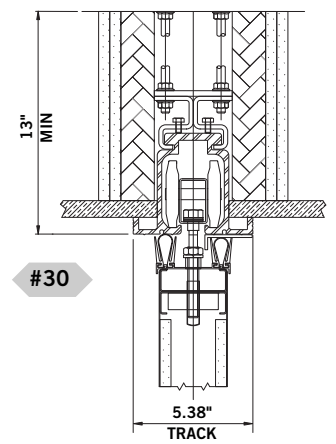
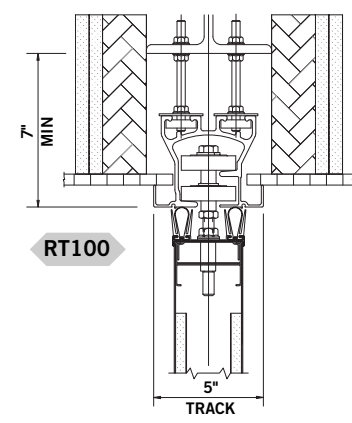
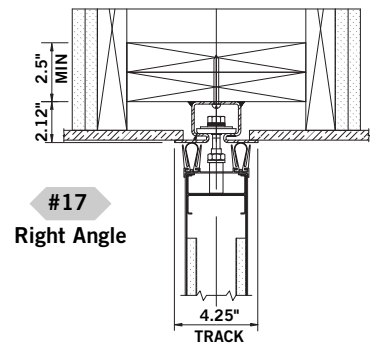
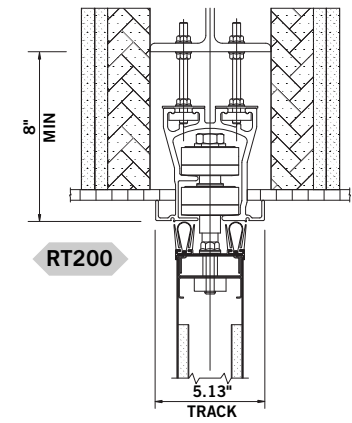
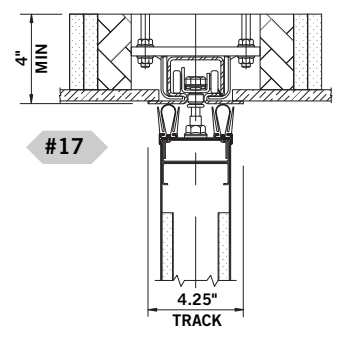
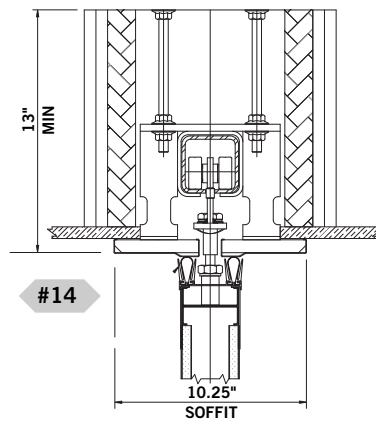
Designed for quiet, dependable operation, the #30 track is made of strong structural aluminum. The track is designed to mate with the Acousti-Seal electric partition, but is also available for use on paired panel applications.



#17 Smart Track



## Track Systems



#14 Smart Track

# Product Selector Guide for Acousti-Seal Operable Partitions

## Introduction

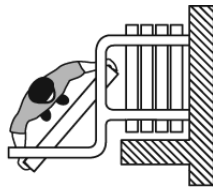
Over the years, Modernfold has consistently helped architects, designers, and facility owners/managers select the best possible space division option for their unique situation. In the spirit of tradition, this guide has been designed to help you choose the Acousti-Seal model and configuration that's best for your needs.

### Step 1 – Choose Panel Configuration

Choose a panel configuration (single panels, paired panel, or continuously hinged panels) as described below. Take into account opening size, storage requirements, and layout flexibility.

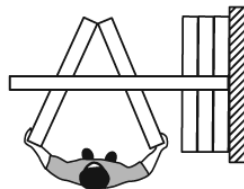
*Single panel systems* provide the ultimate in versatility and flexibility.

- Panels are moved independently into position.
- Ideal for applications that require tall panels.
- Offer the widest choice of bottom seals to accommodate different job site conditions.
- Often used in multipurpose rooms, exhibition halls, and commercial buildings where maximum flexibility is required.
- Suspension systems permit the use of track with switches, curves, and right angle turns.
- Multiple room setups, changes in the location of pass doors and work surfaces, and remote storage.
- Smart Track technology with programmable trolleys and automatic panel position system make storage especially easy.



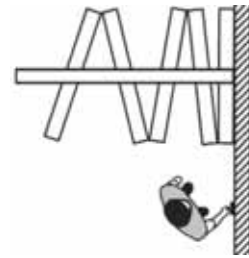
*Paired panel systems* are usually the answer for straight-line openings that do not require multiple layouts or remote storage.

- Panels are hinged together in groups of two, facilitating quick, easy setup.
- No auxiliary storage track or support required.
- Suited for applications that require exceptional durability, acoustic control, and frequent use.
- Floor-supported systems available for installations where the existing overhead structure cannot support the partition's weight.
- Paired panels are designed to be stored at either or both ends of an opening for added storage flexibility.
- Paired panels are frequently used to divide classrooms, conference or meeting rooms, and office space.



*Continuously hinged panel systems* are connected together in a train, extending as one complete unit.

- Electrically operated system provides effortless setup for even the largest openings.
- Acoustic bottom seals are set automatically when the partition is fully extended.
- Electrically operated partitions frequently divide gymnasiums, multipurpose areas, hotel ballrooms, classrooms, meeting rooms, and convention/civic centers.



### Step 2 – Choose Model and Options

Within the chosen configuration, select the model or models that best suit your requirements. Your choice of models will be refined as you move through the available options (see chart on following pages).

- Select the desired STC and skin construction from the chart. For some models, only one standard skin construction and/or STC may be used.
- Choose track system from the options chart for your selected model(s) based on the height limitations. For some models, only one standard track system may be used.
- From the chart, choose closure method, lead jamb, and bottom seal. For some models, only one standard closure, jamb, or bottom seal may be used.
- From the chart or from the associated specifications sheet, select other optional features (pass doors, work surfaces, etc.) as desired.
- Select stacking configuration to suit your requirements. For configuration information, see either the corresponding technical data sheet or visit [www.modernfold.com](http://www.modernfold.com) to access the information.

### Step 3 – Review Model and Options

On a separate sheet of paper, take note of your chosen panel configuration, STC, skin, track system, and stacking configuration. Refer to the appropriate technical data sheet, which will provide specifications and drawings.

### Step 4 – Contact Distributor for Job Review

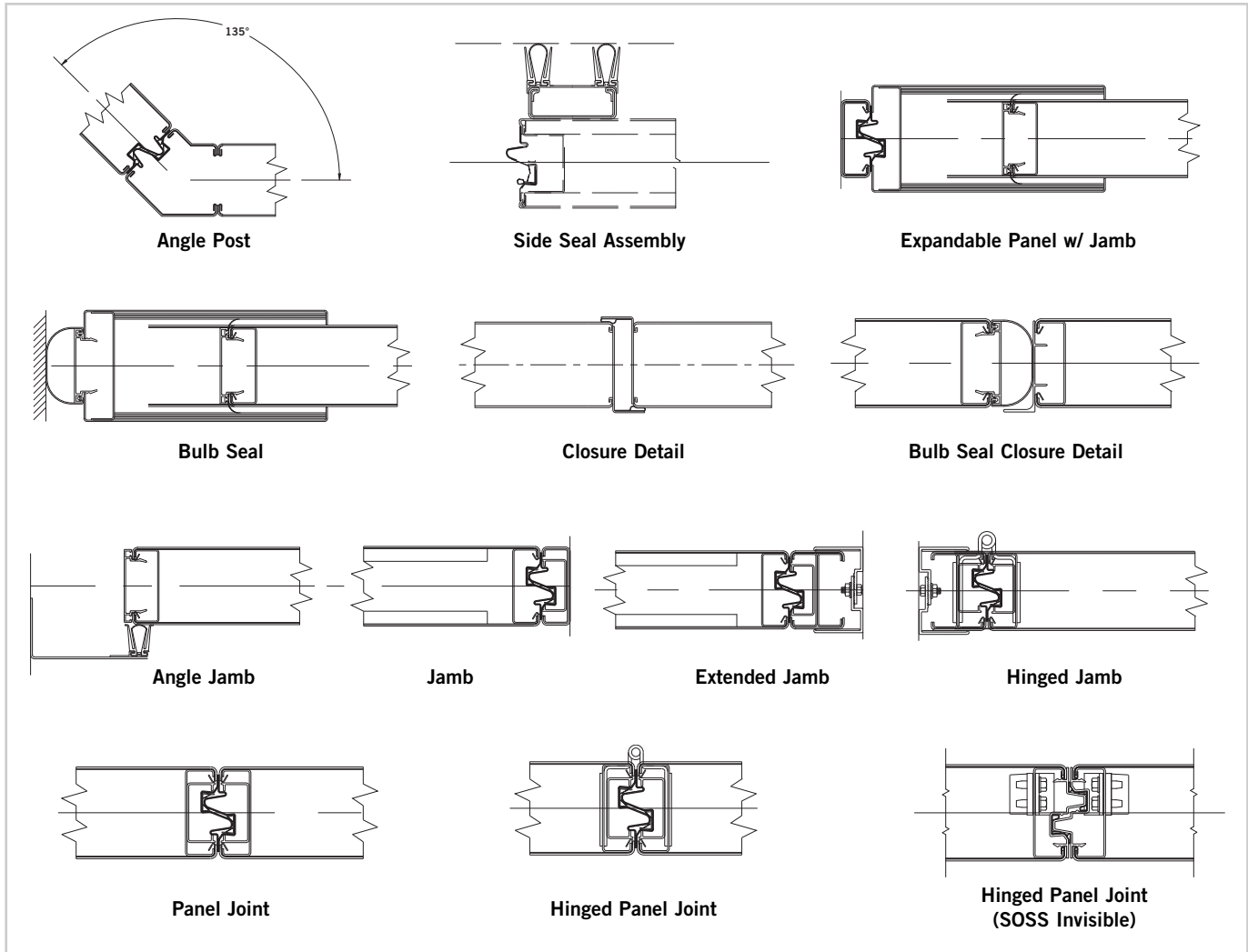
Contact your local Modernfold Distributor for a complete review of your application, budget, drawings, or details relative to the chosen system. To locate your Modernfold distributor or for additional information, visit [www.modernfold.com](http://www.modernfold.com) or call 800-869-9685.

# Product Selector Chart:

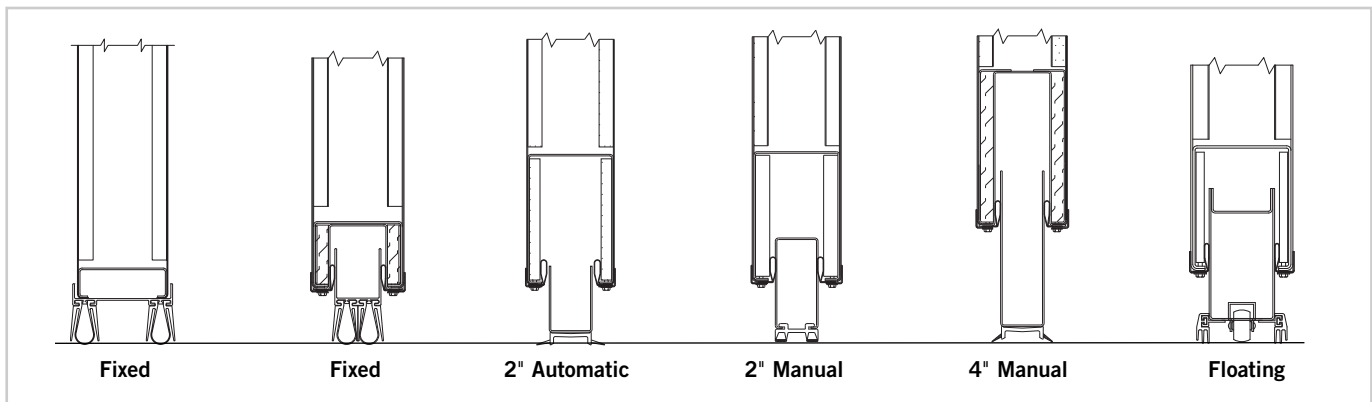
## Step 2 – Choose Model and Options

Key: ● Standard ■ Optional	Single Panel			Paired Panel				Continuously Hinged	
	931	911	941	932	912	942	932FS	933	933E
<b>STC Selection (Step2A)</b>									
28 STC Steel (5 lb/sq ft)									■
41 STC Non-Steel (6 lb/sq ft)	■			■			■	■	■
41 STC Steel (6 lb/sq ft)									■
45 STC Steel (8 lb/sq ft)	■	■		■	■		■	■	■
47 STC Non-Steel (7 lb/sq ft)	■			■			■	■	■
50 STC Non-Steel (8 lb/sq ft)	●			■			●	●	■
50 STC Steel (8 lb/sq ft)	●	■		●	■		●	●	●
52 STC Steel (11 lb/sq ft)	■	●		■	●		■	■	■
55 STC Steel (13 lb/sq ft)			●			●			
<b>Track Selection (Step 2B) (Availability dependent upon panel height and STC, see chart)</b>									
#17 Steel	●	●	●	●	●	●		●	
#14 Steel	■	■	■	■	■	■		■	●
#17 Steel Floor Supported							●		
RT100 Aluminum	■		■						
RT200 Aluminum	■		■						
#30 Aluminum				■		■			■
<b>Bottom Seal Selection (Step 2C)</b>									
2-inch Automatic	●	●	●	●	●	●		●	●
2-inch Manual Crank Operated	■	■	■	■	■	■			
4-inch Manual Crank Operated	■	■	■						
4-inch Lever Activated	■		■						
Floating									■
Fixed							●		
<b>Closure Method Selection (Step 2C)</b>									
Expandable Panel	●	●	●	●	●	●	■		
Hinged Panel	■		■	■		■	●	●	
Pass door	■			■			■		
Angle Jamb	■			■			■		
Side Jamb									●
<b>Lead Jamb Selection (Step 2C)</b>									
1-inch Nominal Fixed	●	●	●	●	●	●	●		■
3-inch Adjustable	■		■	■		■	■		■
4-inch to 12-inch Variable Fixed	■		■	■		■	■		■
Bulb Seal	■		■	■		■	■		■
Bulb Seal with Adjustable Jamb								●	
<b>Skin – Non-Steel Construction (See STC) (Step 2D)</b>									
Fire Retardant Gypsum	●			●			●	●	
Moisture Resistant Gypsum	■			■			■	■	
Medium Density Fiberboard	■			■			■	■	■
<b>Skin – Steel Construction (See STC) (Step 2D)</b>									
Nominal 21-gage Roll-Formed Steel	●	●	●	●	●	●	■	●	●
Nominal 18/16/14-gage	■	■	■	■	■	■			
<b>UL Rating (Step 2D)</b>									
1-Hour UL-10B		●			●				
<b>Pass Door Selection (Step 2D)</b>									
Single Hollow Metal	■			■			■		
Double Hollow Metal	■								
Single Matching Construction	■	■	■	■	■	■	■	■	■
Double Matching Construction	■	■	■						

## Interface Options



## Drop Seal Options





**1. Product Name**

Acousti-Seal® Operable Partitions

- Single Panel Partition
- Paired Panel Partition
- Continuously Hinged Electric Partition

**2. Manufacturer**

Modernfold, Inc.  
215 West New Road  
Greenfield, IN 46140  
(800) 869-9685  
(317) 468-6700  
Fax: (317) 468-6760  
E-mail: info@modernfold.com  
www.modernfold.com

**3. Product Description**

**BASIC USE**

Modernfold, A Dorma Group Company, manufactures durable, high quality space division products to optimize space utilization. The Acousti-Seal® line of operable partitions provide sound control without fixed wall constraints and allow room sizes to be tailored to current and future needs with minimal set-up time.

**Single Panel Partition**

Acousti-Seal single panel systems provide space division for complex partition layouts and wide variations in floor conditions. With welded steel construction in heights over 40' (12 m), these panels are ideal for applications requiring especially tall panels. Single panels move independently into position to provide sound control for multipurpose rooms, exhibition halls and commercial buildings.

**Paired Panel Partition**

Acousti-Seal paired panel systems are hinged in groups of two panels for convenient and economical space division in areas that accommodate varying meeting group sizes. Because one carrier is located in the center of each panel, no auxiliary storage track or support is required. Floor supported panels are available for installations where the existing overhead structure cannot support the partition weight. Paired panel systems are suited for straightline openings that do not require multiple locations or offset storage.



Acousti-Seal Paired Panel System

**Continuously Hinged Electric Partition**

Electrically operated, continuously hinged sound control partitions are available with automatic set-up for facilities requiring effective and convenient separation and quick set-up time. With built-in safety features, they are recommended for hotel ballrooms, civic or convention centers, classrooms, gymnasiums, meeting rooms, conference rooms and multipurpose rooms.

**COMPOSITION & MATERIALS**

Acousti-Seal panels have a minimum 18 gage formed steel frame with overlapped and welded corners. The vertical edges of the frame are formed steel and provide concealed protection to the edges of the panel skin. A selection of skin options is offered:

- Steel skins - 22 gage to 14 gage
- Genuine wood veneer plywood
- MDF board
- Moisture resistant gypsum board

Metal astragals interlock to create a tight vertical acoustic seal between panels, and top and bottom seals complete the system sound isolation. Suspension is based on application and intended use. Hardware is concealed for a permanent finished appearance.

**SIZES**

**Single Panel Systems**

- Opening width - unlimited
- Thickness - 3" (76 mm) or 4" (102 mm)
- Maximum height - 28' 2" (9 m)
- Custom heights are available

**Paired Panel Systems**

- Opening width - unlimited
- Thickness - 3" (76 mm) or 4" (102 mm)
- Maximum height - 18' 2" (6 m)
- Custom heights are available

**Continuously Hinged Electric Systems**

- Opening Width - 100' 9" (31 m) single; 201' 6" (61 m) pair
- Thickness - 3" (76 mm)
- Maximum height - 24' 2" (7 m)
- Custom heights are available

**COLOR, FINISH**

**Finish**

- Standard-weight vinyl wallcovering
- Heavy duty vinyl wallcovering
- Woven fabrics
- Ribbed wall carpeting
- Wood veneers
- Plastic laminates
- Customer-supplied material (with factory approval)
- Uncovered for field finishing



Acousti-Seal Single Panel System

**Skin Treatments**

- Perforated steel skins
- Resilient padding
- Full-height marker boards
- Lead lining for X-rays

**BENEFITS**

- Provide sound control at a wide range of acoustic ratings without fixed wall constraints
- Allow for room sizes to be tailored to current and future needs with minimal set-up effort and time
- Increase revenue potential by allowing rooms to be reconfigured for specific events
- Allow for more efficient use of floor space and personnel
- Provide for low cost of ownership and less down-time through durable, high quality construction
- Increase operational safety through integrated safety systems on electrically operated partitions

**ACCESSORIES & OPTIONS**

- Pass doors – Single or double
- Trimless work surfaces
- Windows – Full, partial, Plexiglas®, Lexan®, custom cutouts
- Pocket doors
- ADA-compliant hardware
- Chair rail
- Pushplates
- Recessed exit sign
- Keylocking foot bolt

- Locking expandable closure
- Special layouts for sloped floors, floors with risers, sliding partitions and segmented walls (curved layouts)

**4. Technical Data**

**APPLICABLE STANDARDS**

ASTM International

- ASTM E90 Standard Test Method for Laboratory Measurement of Airborne Sound Transmission Loss of Building Partitions and Elements
- ASTM E557 Standard Guide for the Installation of Operable Partitions

**PHYSICAL & TECHNICAL PROPERTIES**

See Table 1.

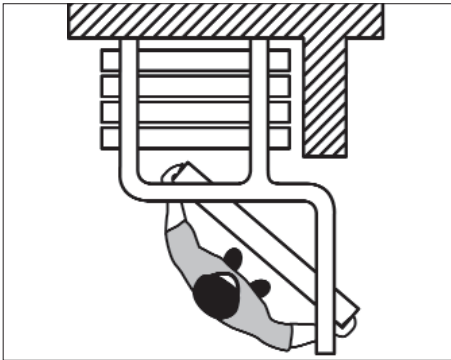
**5. Installation**

**PREPARATORY WORK**

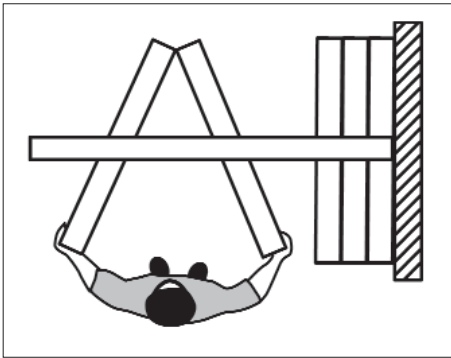
Verify that site conditions are acceptable for installation. With an installer present, examine flooring, structural support and openings for compliance with installation requirements and other conditions affecting the performance of operable partitions. Proceed with installation only after unsatisfactory conditions have been corrected.

**TABLE 1 PHYSICAL & TECHNICAL PROPERTIES**

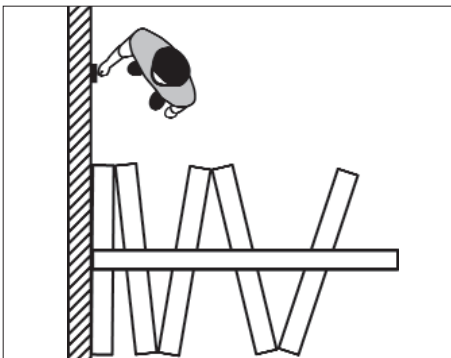
	Single Panel System	Paired Panel System	Continuously Hinged Electric System
STC Options	41 STC, non-steel (6 lb/ft <sup>2</sup> ) 45 STC, steel (8 lb/ft <sup>2</sup> ) 47 STC, non-steel (7 lb/ft <sup>2</sup> ) 50 STC, non-steel or steel (8 lb/ft <sup>2</sup> ) 52 STC, steel (11 lb/ft <sup>2</sup> ) 55 STC, steel (13 lb/ft <sup>2</sup> )	41 STC, non-steel (6 lb/ft <sup>2</sup> ) 45 STC, steel (8 lb/ft <sup>2</sup> ) 47 STC, non-steel (7 lb/ft <sup>2</sup> ) 50 STC, non-steel or steel (8 lb/ft <sup>2</sup> ) 52 STC, steel (11 lb/ft <sup>2</sup> ) 55 STC, steel (13 lb/ft <sup>2</sup> )	28 STC, non-steel or steel (5 lb/ft <sup>2</sup> ) 41 STC, non-steel (6 lb/ft <sup>2</sup> ) 45 STC, steel (8 lb/ft <sup>2</sup> ) 47 STC, non-steel (7 lb/ft <sup>2</sup> ) 50 STC, non-steel or steel (8 lb/ft <sup>2</sup> ) 52 STC, steel (11 lb/ft <sup>2</sup> ) 52 STC, steel (11 lb/ft <sup>2</sup> )
Tracks available	#17 or #14 steel; RT100 or RT200 aluminum	#17 or #14 steel; RT100, RT200 aluminum or #30 aluminum	#30 aluminum or #14 steel
Bottom seals	Standard – 2" (51 mm) automatic Options – 2" (51 mm) or 4" (102 mm) manual	Standard – 2" (51 mm) automatic Options – 2" (51 mm) manual	Standard – 2" (51 mm) automatic
Closure methods	Options – Expandable panel, hinged panel, pass door, angle jamb, side jamb	Options – Expandable panel, hinged panel, pass door, angle jamb	Standard – Hinged panel
Skin (non-steel)	Standard – Fire retardant gypsum Options – Moisture resistant gypsum/medium density fiberboard	Standard – Fire retardant gypsum Options – Moisture resistant gypsum/medium density fiberboard	Standard – Fire retardant gypsum Options – Moisture resistant gypsum/medium density fiberboard
Skin (steel)	21 gage roll formed steel (up to 14 optional)	21 gage roll formed steel (up to 14 optional)	21 gage roll formed steel (up to 14 optional)
Pass door options	Single hollow metal Double hollow metal Single or double matching construction	Single hollow metal Single matching construction	Single matching construction
Lead jamb selection	Standard – 1" (25.4 mm) fixed Options – 1" (25.4 mm) fixed, bulb seal, bulb seal with adjustable jamb	Standard – 1" (25.4 mm) fixed Options – 3"-12" (76-305 mm) fixed, bulb seal, bulb seal with adjustable jamb	Standard – 1" (25.4 mm) fixed Options – 3"-12" (76-305 mm) fixed, bulb seal, bulb seal with adjustable jamb



Single Panel



Paired Panel



Continuously Hinged

Install operable partitions and accessories only after other finishing operations, including painting, are complete.

**METHODS**

Comply with ASTM E557, as well as the written installation instructions, diagrams and approved shop drawings of Modernfold, Inc.

Match operable partitions by installing panels from marked packages in the numbered sequences indicated on the shop drawings. Broken, cracked, chipped, deformed or unmatched panels are not acceptable.

Upon completing the installation, clean the partitions to remove dust, dirt, adhesives and other foreign materials per the manufacturer's written instructions. Provide final protection and maintain conditions in a manner to ensure that the operable partitions are without damage or deterioration at time of substantial completion.

Adjust the partitions to operate smoothly, easily and quietly, free from binding, warp, excessive deflection, distortion, nonalignment, misplacement, disruption or malfunction through the entire operational range. Lubricate all hardware and other moving parts.

**BUILDING CODES**

Current data on building code requirements and product compliance can be obtained from an authorized Modernfold distributor. Installation must comply with the requirements of all applicable local, state and federal code jurisdictions.

**6. Availability & Cost**

**AVAILABILITY**

Acousti-Seal products are available throughout North America.

**COST**

Cost information may be obtained from an authorized Modernfold distributor.

**7. Warranty**

Complete warranty terms and conditions are available from Modernfold, Inc.

**8. Maintenance**

Should be maintained in accordance with manufacturer's Operation and Maintenance Manual.

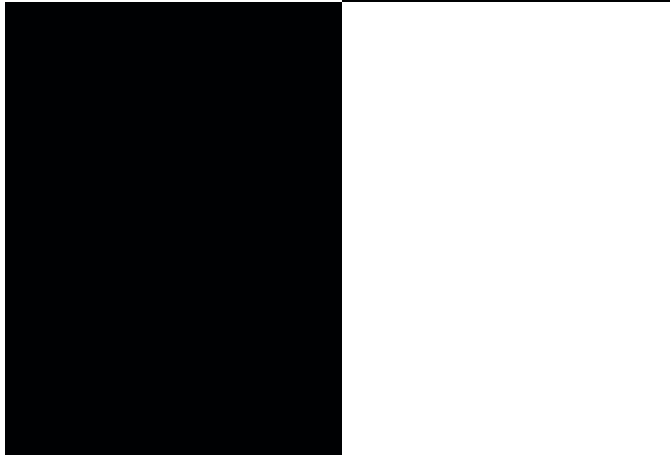
**9. Technical Services**

Detailed information, product literature, test results, project lists, assistance in preparing project specifications and arrangements for application supervision are available through Modernfold, Inc.

For questions about specifications, code regulations, product usage or product installation, please consult the Modernfold, Inc., website: [www.modernfold.com](http://www.modernfold.com) or an authorized distributor.

**10. Filing Systems**

- MANU-SPEC®
- Additional product information is available from the manufacturer upon request.



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