

FOLDOOR®

By HOLCOMB & HOKE

FOLDOOR® OPERABLE WALLS



FOLDOOR® ACCORDION PARTITIONS

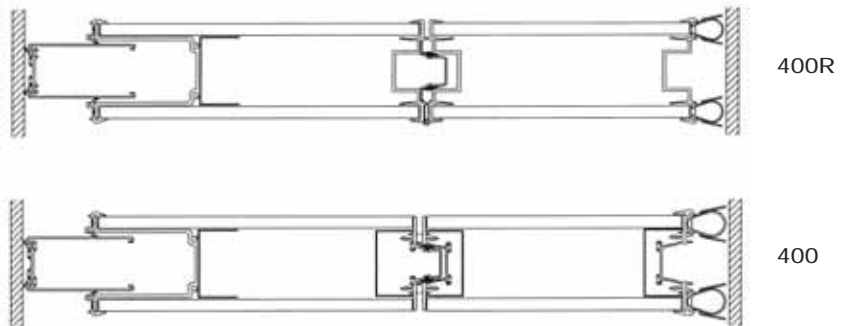
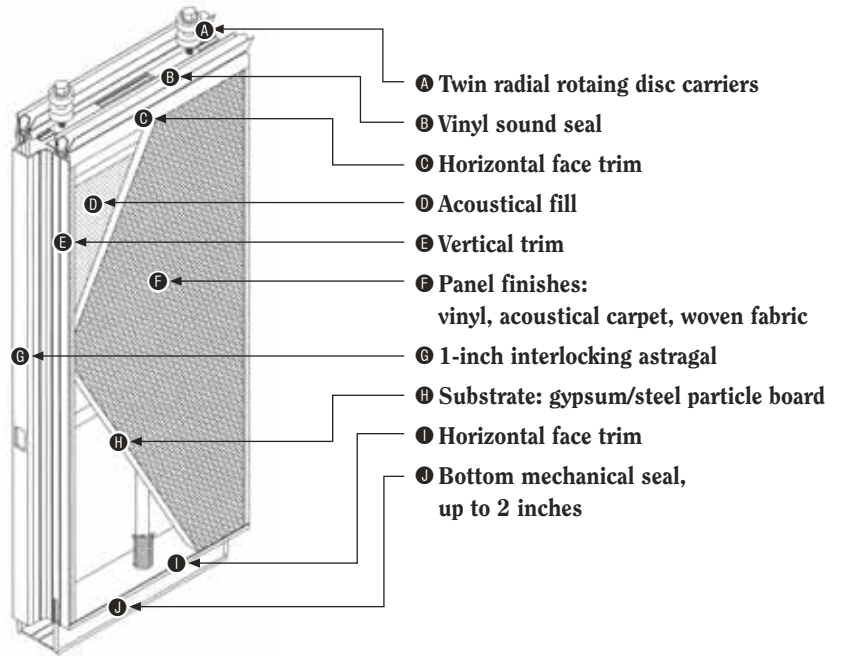
In 1886, J.I. Holcomb and J. Fred Hoke met in a Methodist church in Sullivan, Indiana. Holcomb was selling furniture polish door-to-door; Hoke was running his uncle's hardware store. With the help of a local bank, they acquired a Lafayette, Indiana company, in 1897, which manufactured a line of fiber brushes for industrial and domestic use, and the partnership of Holcomb & Hoke was formed.

For more than 100 years, Holcomb & Hoke Manufacturing Company, Inc., has been in continuous operation. In 1903, the partners purchased American Box Ball Company, in Indianapolis, and in 1906, they acquired land at 1545 Van Buren Street, Indianapolis, and built their first building, which is still in use today.

Over the next few years, the partners collaborated with Dan Talbert, an engineer and inventor who invented a five-pin bowling alley that required no helper to reset pins but did require a quarter to play. In 1913 with Talbert, they introduced another invention—a machine for popping corn and mechanically applying pure butter to the popped corn. Thus, the Butter-Kist Popcorn Machine was born, which could pop the corn, automatically, season it, and sift out uncooked kernels, all in full view of the customer. Butter-Kist Popcorn Machines were sold until 1929. During the same period, similar products were manufactured and sold, including lunch wagons, peanut roasters, and sandwich warmers (Kistwich).

In 1928, the Electra-Muse, a coin-operated, electrically-powered, amplified phonograph was introduced, but it soon met with patent problems that forced an early demise. In 1929, the Fire Tender line of bituminous coal stokers was introduced. Fifteen models served residential and commercial markets. It proved to be one of the most successful products the company ever produced.

FolDoor accordion doors and flat wall partitions were introduced in 1950 and 1961, respectively, and have been in continuous production ever since. The founding partners are long gone, but those involved today maintain the spirit of innovation, the commitment to excellence, and the responsiveness to their customers that have permitted the company to grow and prosper for a century and more.



Call 317-784-2448 for assistance.

Maximum flexibility is often required for the best use of available space. Our FolDoor® single- and paired-panel operable partitions can multiply the potential and provide sound and sight privacy. They are as versatile as your imagination, and they are available in a wide variety of configurations. They are durable, functional, and competitively priced. And they are ideal for use in high-traffic areas.

OPTIONS

Inset Work Surfaces

- Large 48" high boards standard
- Projection surfaces
- Chalkboards

Inset Passdoors

- ADA compliant hardware
- ADA compliant opening
- Self-powered exit signs
- Concealed automatic closing

Inset Chair Rails

Duplex Surface Finishes

FEATURES

FolDoor® Model 400 partition systems feature:

- A wide range of laboratory sound ratings;
- Welded steel frames;
- Clean-wrapped vertical edges or full trimmed perimeter;
- Paired-panel and individual panel configurations;
- High-strength tempered 6063T-6 aluminum tracks;
- Safety panel trolleys;
- Precision bearings on all panel trolleys;
- Exclusive steel track inserts on paired-panel systems with steel wheels;
- Up to 2" of floor clearance as standard;
- Internal expanding panel;
- And the largest selection of designer coverings, including custom vinyls, wovens, and acoustical wall carpet as standard.

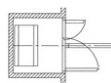
Paired-panels are the most practical systems when center stacking, quick set-up, and economy are desired. Individual panels offer flexibility when remote storage or multiple locations for the system are required.

Pocket Door Stacking Arrangements

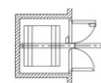
TYPE I
Door with
Single Panels



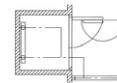
TYPE II
Door with
Paired Panels



TYPE III
Door with
Paired Panels



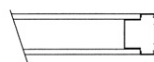
TYPE IV
Door with
Single Panels



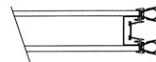
Closing Conditions

400 Series

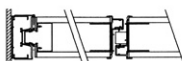
Panel w/Finished End



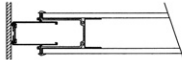
Standard 1" Bulb Seal



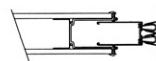
Hinged Panel Closure



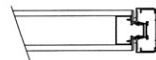
Expanding Panel



Adjustable Bulb Seal

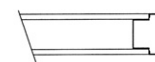


Structural Wall Jamb

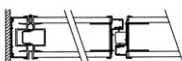


400R Series

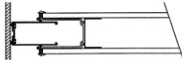
Panel w/Finished End



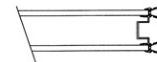
Hinged Panel Closure



Expanding Panel



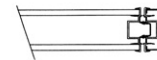
Standard 1" Bulb Seal



Adjustable Bulb Seal



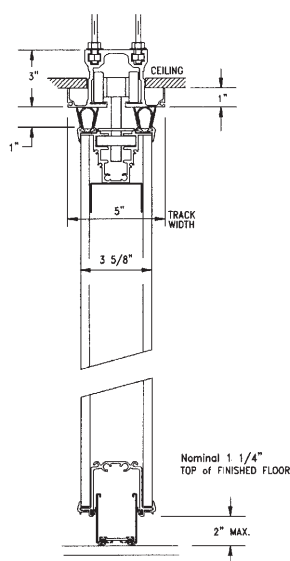
Structural Wall Jamb



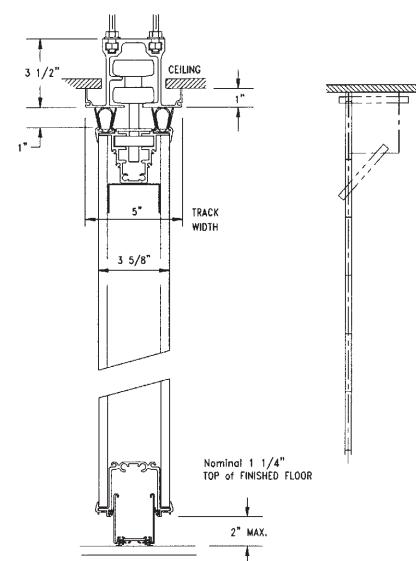
Acoustical Examples

Normal Sound Activity	Noise Level	Desired Adjacent Room Affect	Noise Level	Source Solution	STC
Busy Street	90dB	Conference Area	50dB	400R	52
Industrial Shop	85dB	Inspection Area	40dB	Ultra Plus	50
Commons Area	80dB	Conference Area	40dB	Ultra	47
Gymnasium	85dB	Activities Room	50dB	Plus	45
Noisy Classroom	70dB	Quiet Classroom	40dB	Hz	42
Conversational Speech	60dB	Meeting	40dB	Hz	42

Paired Panel



Single Panel



FOLDOOR® ACCORDION
FOLDING PARTITIONS
SEPARATE SITES, SIGHT,
AND SOUND.

FolDoor® Soundguard, Starline, and Wood partitions can help you maximize the flexibility of your facility. They're designed to separate and control sites, sight, and sound. And they're perfect for meeting rooms, classrooms, training centers, sports centers, conference rooms, convention centers, and concert halls. They're attractive, cost-effective, and easy to operate. And they're designed to last.

SOUNDGUARD

FolDoor® Soundguard partitions feature our Airscape Ceiling Guard, which permits trapped air to escape quickly through the top of the door. The Airscape Ceiling Guard minimizes fabric stress and billowing. It facilitates easy operation. And it provides a complete sound seal when the partition is fully extended.

FolDoor® Soundguard partitions also feature:

- Rust-resistant hinges;
- Positive stops;
- Balanced frame supports;
- And wrinkle-prevention construction.

They can be customized to fit your application—even curved applications—with special accessories for your specific installation. They are available in 8" or 12" profiles, and they can be manually or electrically operated.

FOLDOOR® ACCORDION PARTITIONS



SOUNDGUARD



STARLINE

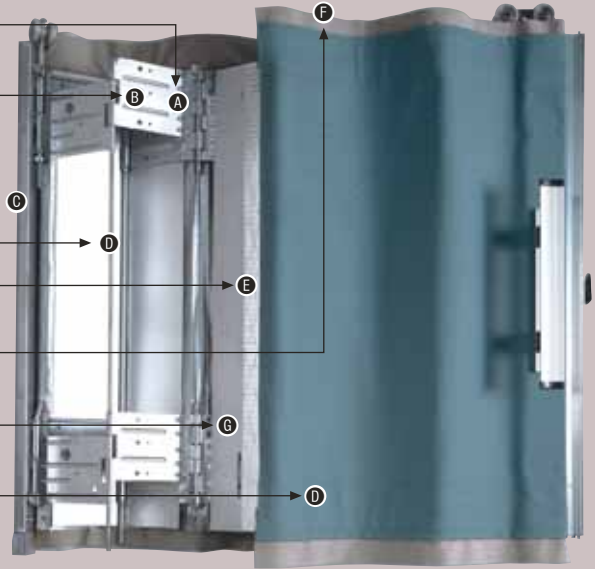
SOUNDGUARD PRODUCT SELECTION GUIDE

Manual operation is standard on all Soundguard models. Electric operation is optional on all models. We recommend electric operation for large openings.

STC Model	Hanging Weight	Stack Width	Extended Width	NRC* Rating	Max Height	Track 10'	Selector >10'
37 Soundguard 37	3.7	8-1/2"	5"	.85	20'	#21	#41
39 Soundguard 39	4.5	8-1/2"	5"	.85	20'	#21	#41
41 Soundguard 41	5.0	12-1/2"	7-1/4"	.85	20'	#41	#41
44 Soundguard 44	7.0	12-1/2"	7-1/4"	.85	20'	#41	#41

*Based on use of carpet covering which may affect STC ratings. Test results were achieved independently.

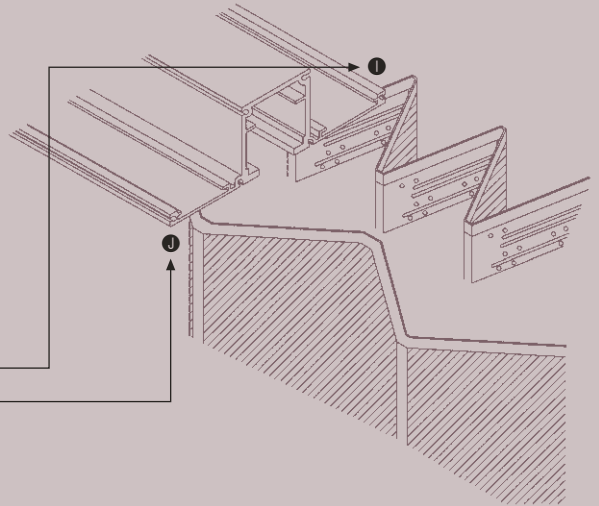
- A Positive Stops:** positive stops at hinge points of hinge plates prevent top and bottom overextension, which eliminates the need for spacing.
- B Rust-Resistant Hinges:** Hinges are made of 16-gauge steel.
- C Balanced Frame Support:** Balanced suspension provides intermediate trolley support at every other hinge pair on all sound insulated models, to prevent frame sag.
- D Steel Rods:** Full 3/16" diameter steel connecting rods welded at each hinge.
- E Soundliner:** Fiberglass-reinforced, foil-backed liner treated for flame resistance.
- F Sweep Seals:** Multi compression strips engage floor and ceiling on both sides of partition.
- G Sound Insulating Steel Panels:** Stressed steel extends full height on both sides of partition (up to 16 gauge).
- H Covering Materials:** Wide selection of back-supported, vinyl fabrics, woven fabrics, and carpet. Class A flammability ratings per ASTM E84.



AIRSCAPE CEILING GUARD

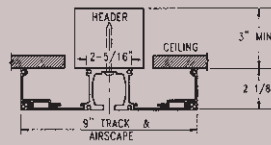
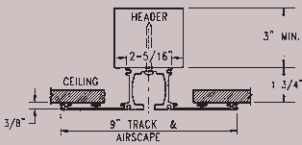
When a FolDoor® Soundguard partition is in its extended position, the entire surface of the upper sweep seal presses against the face of the Airscape Ceiling Guard, to ensure a complete sound seal. As the partition is pushed open, toward the stack, the expanding volutes clear the edge of the Airscape Ceiling Guard to permit trapped air to escape quickly through the top of the door, which minimizes fabric stress and billowing. It also reduces resistance to closing pressure. The Airscape Ceiling Guard provides more than ten times the air release of competitive partitions, which makes Soundguard partitions easier to operate.

- I When compressed,** the folds in the door extend past the Airscape lip, allowing the air to release.
- J When extended,** the folds in the door remain sealed under the Airscape lip.

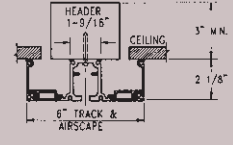
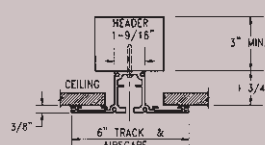


SOUNDGUARD TRACK AND AIRSCAPE

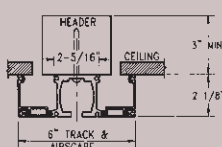
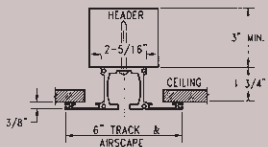
Starline X12
Soundguard 41/44



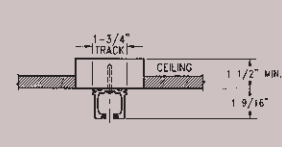
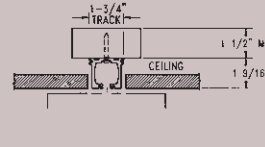
Starline X8
Soundguard 37/39



Starline X8 & X12
Soundguard 37/39



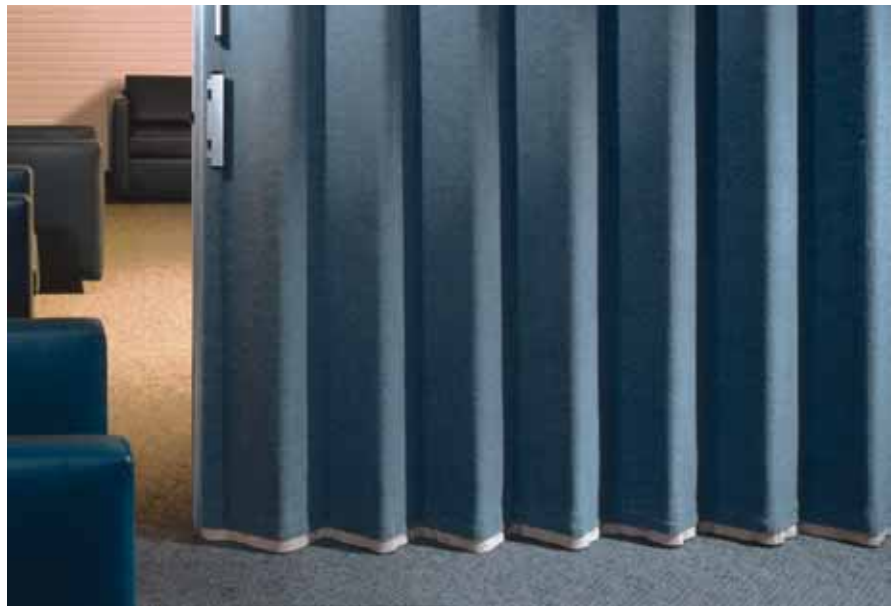
Starline X8



THEY CAN BE CONFIGURED TO FIT YOUR APPLICATION. STRAIGHT OR CURVED.

FOLDOOR® ACCORDION PARTITIONS

FolDoor® Starline fabric-covered partitions are similar to FolDoor® Soundguard partitions, without the Airscape Ceiling Guard, sweep seal, or sound insulation. Both Soundguard and Starline partitions are available in a number of attractive coverings, including vinyl and carpet. Our vinyl coverings are ideal for commercial or industrial installations where color, beauty, and economy are important. They drape smoothly and resist puckering and drawing. And they feature heavily covered, rugged fabric backing, which gives them excellent stability and shrink resistance.



STARLINE PRODUCT SELECTION GUIDE

Manual operation is standard on all Starline models. Electric operation is optional on all models. We recommend electric operation for large openings.

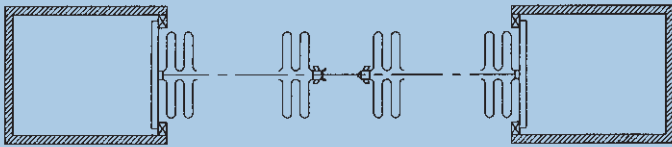
STC	Model	Hanging Weight	Stack Width	Extended Width	NRC* Rating	Max Height	Track 10'	Selector >10'
0	Starline X8	2.2	8-1/2"	5"	.70	20'	#21	#41
0	Starline X12	2.2	12-1/2"	7-1/4"	.70	20'	#41	#41

*Based on use of carpet covering which may affect STC ratings. Tests results were achieved independently.

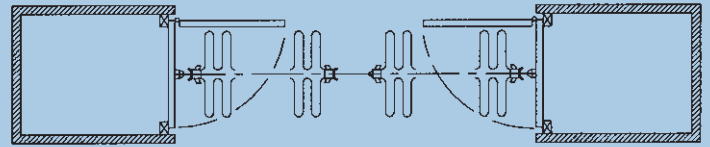
SOUNDGUARD AND STARLINE STACKING DIMENSIONS

Product	Height	Stacking Depth/ Foot of Opening Width	Fixed Jamb	Rolling Post or Lead Post	Sliding Jamb
Starline X8	<10'	1-3/4"	1"	1-5/8"	1-1/2"
Starline X8	10'-17'	1-3/4"	1"	2-7/8"	1-1/2"
Starline X8	17'-20'	1-3/4"	2-1/2"	4-5/8"	3"
Starline X12	<17"	1-1/2"	1"	2-7/8"	1-1/2"
Starline X12	17'-20'	1-1/2"	2-1/2"	4-5/8"	3"
Soundguard 37	<17'	2"	1"	2-7/8"	1-1/2"
Soundguard 37	17'-20"	2"	2-1/2"	4 5/8"	3"
Soundguard 39	<17'	2"	1"	2-7/8"	1-1/2"
Soundguard 39	17'-20'	2"	2-1/2"	4-5/8"	3"
Soundguard 41	<17'	1-1/2"	1"	2-7/8"	1-1/2"
Soundguard 41	17'-20'	1-1/2"	2-1/2"	4-5/8"	3"
Soundguard 44	<16'	1-1/2"	1"	2-7/8"	1-1/2"

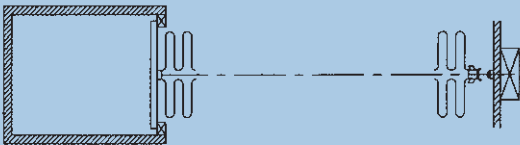
Paired Doors with Sliding Jamb



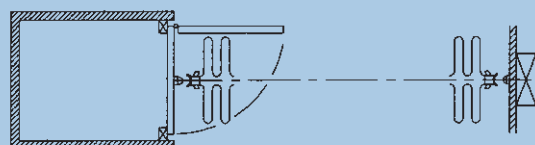
Paired Doors with Rolling Post



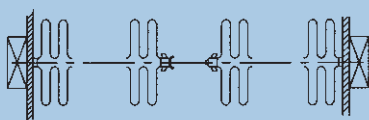
Sliding Jamb with Pocket



Rolling Post with Pocket



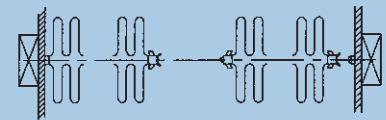
Paired Doors



Fixed Jamb without Pocket



Multiple Doors In Line



See Architect Manual for other configurations. Contact the factory for actual pocket depths required.

AND THEY'RE DESIGNED TO ENHANCE YOUR SPACE. OPEN OR SHUT.

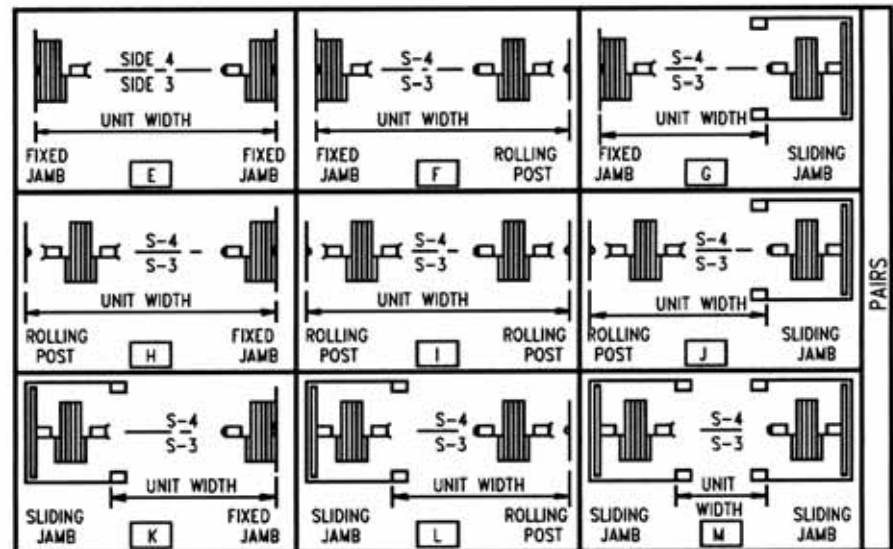
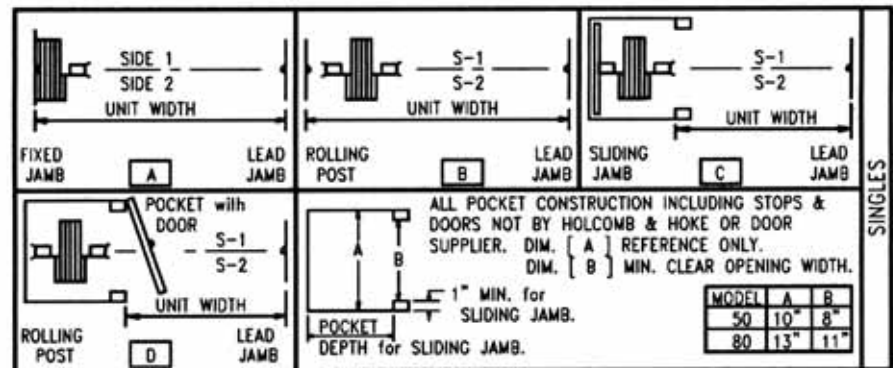
FolDoor® Wood Panel partitions are available in four warm wood finishes. They are made of stabilized wood core panels, in three widths—5", 6", and 8". They are 1/2" thick, to provide greater strength, warp resistance, sound protection, and thermal value than conventional 1/4" and 3/8" panel partitions. The wood core panels can be wrapped in vinyl wood grain finishes, which are bonded to the panels, or they can be laminated with solid wood veneers and other fabrics, to ensure durability and attractiveness. Our exclusive Dual-Durometer, double-grip, wrap-around hinges protect panel edges and help prevent panel warping.

FolDoor® Wood Panel partition hardware is available in a dark bronze, long wearing finish. A bar handle and double latch are standard. Privacy locks, keyed locks, and master key housings are available options. Bronze-tone anodized aluminum lead post and jamb moldings are standard. Track shield, sub-channel, and track molding are available to enhance the appearance of your installation.

FOLDOOR® WOOD PARTITIONS



PLAN VIEWS



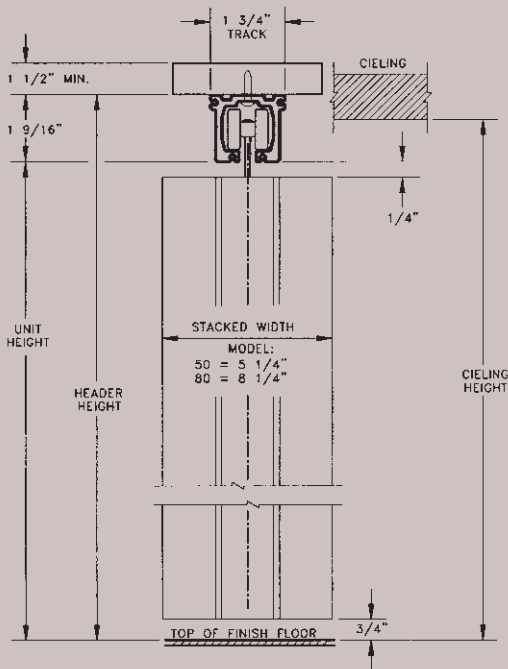


- A Suspension System**
- B Natural Oak Wood Veneer** available as an option.
Bonded, wood grain vinyl standard.
- C Dual-Durometer Hinge** available in two finishes.
- D Hardware and Moldings**

WOOD PARTITION PRODUCT SELECTION GUIDE

Model	Panel Width	Panel Thickness	Width	Maximum Height*	Maximum Trolley	Track
50	4-7/8"	1/2"	25'3"	10'1"	Nylon	#21
60	5-7/8"	1/2"	25'3"	10'1"	Ball Bearing	#21
80	7-7/8"	1/2"	25'3"	10'1"	Ball Bearing	#21

*Recommended maximum width and height. Hanging weight is approximately 3.0 lbs./sq.ft. of opening.



PART 1 GENERAL**1.1 Work Included**

1.1.1 Supply and install flat wall acoustical operable partitions as shown on the architectural drawings. All hardware, seals, track and rollers as needed to close the opening.

1.3 System Description

1.3.1 The opening shall be made up of a series of rigid flat wall panels. Each panel is a one-piece assembly nominally 48" wide (1.3 cm). Unless requested, the wall will comprise the least number of panels.

1.3.2 The mechanical seal of the panel will actuate with a single operating action.

1.3.3 Operational Performance

1.3.3.1 The manual operation is accomplished with less than 20 lbs. (10kg) to start movement at the rate of 200ft./min.

1.3.3.2 Bottom operable seals are extended and retracted with use of a removable handle.

1.3.3.3 Vertical movement of seals is up to 2 inches.

1.3.3.4 Final closing is accomplished by means of a lever exerting pressure against wall.

1.3.3.5 Closure to the lead wall is by use of a flexible bulb.

1.3.4 Acoustical Performance

Tested in accordance with ASTM E90 & E413 by a NVLAP-accredited independent acoustical laboratory.

PART 2 PRODUCTS**2.1 Acceptable Manufacturers**

2.1.1 Model 400 paired or single panel system as manufactured by Foldoor/Holcomb & Hoke Mfg. Co., Inc.

2.1.2 Alternate systems that can meet or exceed the performance criteria as listed in Part 1 General.

2.2 Panel Materials

2.2.1 Panels to be a nominal 4 inches thick, assembled using rigid board or steel mounted to a steel sub frame. All face materials shall be of Class A.

2.2.2 Exposed vertical and horizontal framing will cover face material edges. When possible the surface material will be wrapped around panel sub frame.

2.2.3 Vertical seal between panels will be nesting anodized architectural grade aluminum extrusion with vinyl sound seal.

2.2.4 Low profile hinge to project 1/4" (6 mm) from panel edge.

2.2.5 Top horizontal sound seal is of flexible vinyl.

2.2.6 Bottom horizontal seal will be anodized architectural grade aluminum extrusion with vinyl sound seal and provide all required panel stabilization.

2.2.7 Depending on size and surface treatment, panel weights are 6.5-9.0 lbs/sq.ft. (32-44 kg/sq. meter).

2.3 Track and Suspension Material

2.3.1 Overhead track will be clear anodized architectural grade aluminum extrusion with a continuous hardened steel raceway. Connection to support is by either pairs of infinitely adjustable steel support rods or screws to fasten to wood support.

2.3.2 Each panel or pair has a single, 4-wheel trolley with hardened precision bearing and tire. Or each single panel has two twin radial rotating disc carriers. Each disc will use hardened precision ball bearings enveloped with an impact resistant polymer shell. In either carrier system, the pendant bolt includes safety system to prevent carriers from unscrewing yet allow for adjustment.

2.3.3 Ceiling and plenum closure (by others): Track will have integrated trim. The integrated trim will also provide location to position sound attenuating header side panels when required.

2.4 Panel Finishes

2.4.1 All panel surface finishes unless otherwise noted to be provided by manufacturer prior to arrival at job site.

2.4.2 The manufacturer will provide a standard selection of vinyl wall coverings, wall carpets, or designer wall fabrics.

2.4.3 Manufacturer's standard vinyl wall covering selection require: "Vinyls must contain a non-mercury based mildewcide" and "Be manufactured without the use of cadmium-based stabilizers."

2.4.4 Exposed aluminum to be architectural bronze or clear anodized.

PART 3 EXECUTION AND INSTALLATION**3.1 Installation**

3.1.1 The installation shall be in accordance with the manufacturer's printed instructions.

3.4 Warranty

3.4.1 Manufacturer's standard warranty is one year from date of customer acceptance.

GENERAL SPECIFICATIONS: ACCORDION PARTITIONS

PART 1 GENERAL**1.3 System Description**

1.3.1 The opening shall be made up of a series of voluted cover sections either electric or manually operated. Depending on need and application, partition to be fabricated as a single unit up to 48' in length or a series of latching segmented sections.

1.3.2 The partition assembly will be capable of being folded as a single unit in a curtain-like fashion.

1.3.3 Operational Performance

1.3.3.1 The manual operation is accomplished with less than 20 lbs. (10 kg) to start movement and 10 lbs. (5 kg) to sustain movement at the rate of 200 ft./min. (60 m/min.).

1.3.3.2 Bottom and top seals have no moving parts nor require mechanical activation.

1.3.3.3 Final closing is accomplished by a pull-in grip-type handle.

1.3.4 Acoustical Performance

Tested in accordance with ASTM E90 & E413 by a NVLAP-accredited independent acoustical laboratory.

PART 2 PRODUCTS**2.1 Acceptable Manufacturers**

2.1.1 The product to be accordion partitions Model _____ (see Selection Chart A) as manufactured by FolDoor/Holcomb & Hoke Mfg. Co., Inc.

2.1.2 Alternate systems that can meet or exceed the performance criteria as listed in Part 1 General. In the event of public bid process, any manufacturer wishing to bid products that meet the specifications are to have approval to bid 10 days prior to bid date.

2.2 Panel Materials

2.2.1 Models _____ The stacking width to be 8Ω" and an extended width not less than 5". Models _____ The stacking width to be 12Ω" and an extended width not

less than 7". The partition assembly shall be filled with the appropriate acoustical material. All face materials shall be of Class A.

2.2.2 Partition frame to be made of steel horizontal hinge plates welded to full-height 3/16"-diameter steel alloy rods. Hinge pivots to be alloy steel inner woven into hinge plates. Hinge plates formed with an integrated stop to prevent over extension spaced in rows no greater than 48" apart. All inner end posts cold formed from one piece of 16-gauge alloy steel.

2.2.3 The latching system shall be comprised of a grip-type pull assembly with a final pull-in feature. Latch design, operation, and location shall be ADA-compliant Taller partitions to include upper draw in pendant-type pulls.

2.2.4 Stacking and jamb arrangements depending on need and application can be attached directly to the structural wall, allowed to roll along the track, or in tandem with recessed pocket stacking and sliding jamb panels with an integrated stop and perimeter seals.

2.2.5 Top and bottom horizontal sound seals shall be null-fingered constant contact type to match acoustical performance specification.

2.2.6 Depending on size and surface treatment, panel weights are (see Selection Chart) lbs./sq.ft. (kg/sq. meter).

2.3 Track and Suspension Material

2.3.1 Overhead track will be clear anodized architectural-grade aluminum extrusion with integrated pin alignment. Connection to support is by screws fastened to wood support.

2.3.2 Lead post to be supported by a 4-wheel ball bearing trolley assembly. Intermediate ball bearing assemblies attached to every other volute.

2.3.3 Internal air release to be through the track design, holes in the partition support members not required.

2.3.4 Ceiling and plenum closure (by others): Track

will have integrated trim that allows for flush or protective recess installation of ceiling. The integrated trim will also provide location to position sound attenuating header side panels when required.

2.4 Panel Finishes

2.4.1 Standard finishes shall be factory applied using heavy-duty reinforced vinyl wall covering with tear resistant woven polymer backing. Optional vertically ribbed wall carpets or woven wall coverings are available. All surface treatment to be of Class A fire rated materials.

2.4.2 The manufacturer will provide a standard selection of vinyl wall coverings, wall carpets, or designer wall fabrics.

2.4.3 Manufacturer's standard vinyl wall covering selection require: "Vinyls must contain a non-mercury based mildewcide" and "Be manufactured without the use of cadmium-based stabilizers."

2.4.4 Customer may request other wall treatments but will be subject to approval for adhesion and performance.

2.4.5 Exposed aluminum to be architectural clear anodized.

PART 3 EXECUTION AND INSTALLATION**3.1 Installation**

3.1.1 The installation shall be in accordance with the manufacturer's printed instructions by factory-approved installer

3.2 Warranty

3.2.1 Manufacturer's standard warranty is one year from date of customer acceptance.



HOLCOMB & HOKE
Manufacturing Co., Inc.

1545 Van Buren Street
Indianapolis, Indiana 46203
317-784-2448
317-781-9164 FAX
www.folddoor.com

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