

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.