

Montgomery County Public Schools Facilities Guide

DIVISION 10 – SPECIALTIES

SECTION 10650

OPERABLE PARTITIONS

PART 1 GENERAL

1.01 GUIDE INCLUDES

- A. Manually Operated Paired Panels, Acoustically Rated operable partitions for Classrooms and Laboratories.
- B. Electrically Operated, Continuously Hinged, Acoustically Rated Operable Partitions for Gymnasiums.
- C. Acoustical walls or bulkheads above operable partitions and storage pockets are not a part of this section, but required under Division 9.

1.02 QUALITY ASSURANCE

- A. Operable partitions shall be produced by one manufacturer
- B. Installation contractor shall be certified by door manufacturer and have successfully been in operable partition installation business for a minimum of five (5) years.
- C. Operable partition supplier shall coordinate with Contractor to ensure opening dimensions are as required and field checked. Concrete floor slabs and finish floor shall be level and within 1/8 inch variation in 10 feet non cumulative. Steel columns and jambs must be plumb and true and steel support and track shall be properly centered over panel.
- D. Structural supports shall be designed on basis of one of named manufacturers. Structural or other modification necessary to accommodate other manufacturers shall be responsibility of Contractor at no extra cost to Owner.
- E. MCPS Acoustical Consultant to verify if additional measures are required for LEED EQp3 Minimal Acoustical Performance.

1.03 WARRANTY

- A. Two (2) year written warranty covering workmanship, materials, installation and ease of operation for all walls except gymnasium. Provide 10 year written warranty for gymnasium wall drive and carrier system.

1.04 SUBMITTALS

- A. Submit shop drawings.
- B. Submit manufacturer's certification that partitions installed in building interior meet testing and product requirements of California Department of Health Services Standard Practice for The Testing Of Volatile Organic Emissions From Various Sources Using Small-Scale Environmental Chambers, including 2004 Addenda.

1.05 SCHEDULING

- A. Order equipment so as to cause no delay of project.

PART 2 PRODUCTS

2.01 MATERIALS, GENERAL

- A. Partition assemblies shall meet testing and product requirements of California Department of

Health Services *Standard Practice for The Testing Of Volatile Organic Emissions From Various Sources Using Small-Scale Environmental Chambers*, including 2004 Addenda.

2.02 MANUFACTURERS

- A. Modernfold
- B. Advance Equipment Company
- C. Panefold, Inc.

2.03 CLASSROOM AND LABORATORY LOCATIONS

- A. **STC 52**
- B. Paired Panels
- C. Welded steel frame panel and 21 ga. Skin
- D. Acoustical, non woven needle punch carpet
- E. Manually operated w/automatic floor seal
- F. Butt hinges
- G. Chalk and tackboard where required, must be surface applied and charcoal gray in color.
- H. Models:
 - 1. Modernfold # 932
 - 2. Advance Equipment # 3MC23S43
 - 3. Panefold # 820

Comment [L1]: Confirm with Acoustical Consultant requirements for LEED-S.

2.04 GYMNASIUMS

- A. Operation:
 - 1. High Schools: Main gym; Center Biparting, Auxiliary (other); One directional
 - 2. Middle Schools: One directional
 - 3. Elementary Schools: None
- B. **STC – 41**
- C. Continuously Hinged
- D. Welded steel frame panel and 21 ga. skin with no field splices.
- E. Acoustical, non woven needle punch carpet
- F. Electrically operated w/automatic or floating floor seal
- G. Butt hinges
- H. Two 3'-0" passage doors with separate frame and self illuminated exit signs. Locations to clear bleachers when in open position.
- I. Provide two separate key switches wired in series for safety.
- J. Models:
 - 1. Modernfold # 933EL
 - 2. Advance Equipment # 2EC53C43
 - 3. Panefold # 840 GWE (STC 43)

Comment [L2]: Confirm with Acoustical Consultant requirements for LEED-S.

2.05 STAGE OPENING (PLATFORM) - IF OPERABLE WALL

- A. STC – 52
- B. Side Stacking single panel Track
- C. Welded steel frame panel and 21 ga. skin with no field splices.
- D. Acoustical, non woven needle punch carpet.
- E. Manually operated w/automatic floor seals
- F. Butt hinges
- G. Models:
 - 1. Modernfold # 931 with #14 track
 - 2. Advance Equipment # 5MR72S43
 - 3. Panefold # 810 with #15 steel track

2.06 TRACK AND TROLLEY

- A. Classrooms & Stage (platform) - Steel or aluminum track w/compatible 4 wheel ball bearing

trolley unit.

- B. Gymnasiums - Steel track with 4 steel wheel ball bearing trolley units. #14 track - Modernfold; 4 inch steel track (#5) - Advance Equipment; Type 5 steel rail with soffit - Panelfold.
- C. Provide steel prepainted soffit.

2.07 ACCORDION TYPE WALLS AT OTHER DESIGNATED AREAS

- A. May be considered by MCPS if recommended by Architect

PART 3 EXECUTION

3.01 INSPECTION

- A. Examine substrates, particularly floor and conditions under which partitions are to be installed. Floor shall be level to within 1/8 inch per 10 feet. Installation of partition shall not proceed until unsatisfactory conditions have been corrected.
- B. Adjust to provide quiet, smooth operation without warp or bind.
- C. Architect shall determine adequate capacity of existing structure above and below operable partitions.

END OF SECTION