

CLEMENT J. ZABLOCKI MEDICAL CENTER
MILWAUKEE, WI
111 RENOVATE SOUTH ENTRANCE
VA PROJECT: 695-12-101SCP

DEPARTMENT OF VETERANS AFFAIRS

SECTION 10 22 26
OPERABLE PANEL PARTITIONS

PART 1 - GENERAL

1.1 DESCRIPTION

A. Manually operated hinged-pair flat panel folding partitions.

1.2 RELATED WORK

A. Overhead steel supports for operable partitions: Section 05 50 00,
METAL FABRICATIONS.

1.3 DESIGN REQUIREMENTS

- A. Sound Transmission Classification (STC): 52, minimum, when tested per ASTM E 90.
- B. Flame Spread Rating: 25 or less for facing materials when tested per ASTM E84.

1.4 SUBMITTALS

- A. Product Data: Manufacturer's technical data and installation instructions, including details of the following:
1. Panel carrier location and operating details.
 2. Top and bottom mechanical seals, with method of activation and location of operating mechanism.
 3. Vertical seals on panels and expandable jamb attached to closure panel; show actual nesting depth of panel vertical seals.
 4. Panel construction showing thickness of materials.
- B. Shop Drawings: Include plans, elevations, sections, details, numbered panel installation sequence, and attachments to other work.
1. Indicate storage and operating clearances. Indicate location and installation requirements for hardware and track, blocking, and direction of travel.
 2. Show complete dimensioned sections and details including track and anchorage to supporting structure.
- C. Operation and Maintenance Data: For operable panel partitions to include in maintenance manuals. Include the following:
1. Panel finish facings and finishes for exposed trim and accessories. Include precautions for cleaning materials and methods that could be detrimental to finishes and performance.
 2. Seals, hardware, track, carriers, and other operating components.

1.5 QUALITY ASSURANCE

- A. Installer Qualifications: An employer of workers trained and approved by manufacturer.

CLEMENT J. ZABLOCKI MEDICAL CENTER
MILWAUKEE, WI
111 RENOVATE SOUTH ENTRANCE
VA PROJECT: 695-12-101SCP

DEPARTMENT OF VETERANS AFFAIRS

1.6 PRODUCT DELIVERY, STORAGE AND HANDLING

- A. Factory-wrap all panels in heavy plastic prior to crating and hang panels with protective plastic wrap in place. Remove wrapping to complete installation.

1.7 WARRANTY

- A. Operable panel partitions subject to the terms of the Article "Warranty of Construction", FAR clause 52.246-21, except extend the warranty period to 2 (two) years.

1.8 APPLICABLE PUBLICATIONS

- A. Publications listed below form a part of this specification to the extent referenced. Publications are referenced in the text by the basic designation only.
- B. American Society of Testing and Materials (ASTM):
 - E 84.....Surface Burning Characteristics of Building Materials
 - E 90.....Laboratory Measurement of Airborne Sound Transmission Loss of Building Partitions and Elements

PART 2 - PRODUCTS

2.1 COMPONENTS

- A. Track System: Manufacturer's standard aluminum or steel track. Track joints keyed to assure proper alignment. Provide one four-wheel self-lubricating ball bearing carrier for each panel.
- B. Operable Panel Suspension and Mounting System:
 - 1. Drop Rod Mount:
 - Furnish track hanging brackets and threaded rods to attach track to structural precast floor structure above; furnish template for drilling steel support to Contractor. Furnish sway bracing for track.
- C. Panels: Equal width panels, not to exceed 48-inches, 4-inches thick, faced with vinyl wall covering fully laminated to minimum 1/8-inch thick natural cork on 3/8-inch thick gypsum board and minimum 18-gauge steel acoustical backer. Mount panel faces in full perimeter metal frames which enclose and protect edges of surfacing material. Panel faces shall be replaceable on the job site.
 - 1. Panel Weight: 12 pounds per square foot maximum
 - 2. Track Weight: 7-1/2 pounds per lineal foot maximum.

3. Lead panel in stack position shall be capable of activating top and bottom seals to lock partition in place and prevent movement of panels by unauthorized persons.
4. Panel Hinges: Integral with or concealed by metal edge frame, such as piano or Soss type hinges. Butt type hinges protruding more than 1/4-inch from panel face are not acceptable.

D. Operable Panel Locking System

1. Key operation one (1) side and thumb turn operation on opposite side to be provided.

E. Sound Performance Requirements:

1. Minimum 52 STC Sound Rating to be provided.

F. Sound Seals:

1. Vertical Seals Between Panels: Tongue and groove type.
2. Top and Bottom Seals: Horizontal mechanical seals operated simultaneously by no more than 180-degree turn of a removable handle concealed in panel edge approximately 42-inches above finished floor.
 - a. Seals for both panels in hinged pair shall operate simultaneously.
 - b. Seals shall not contact floor or track during panel movement
 - c. Bottom seals shall exert minimum of 110 pounds of downward pressure when extended.
 - d. Seals shall allow panels to be locked into place anywhere along track runs independent of other panels.

- G. Jambs: Provide stacking end of each opening with an expandable jamb, with approximately 5-inches of travel, operated from either face by a removable handle. Provide lead panels with 1-inch vinyl bulb type compression seal.

2.2 FINISHES

- A. Panel Faces: Factory applied Type II vinyl wall covering, as selected from manufacturer's standard range.
- B. Aluminum: Clear anodized.
- C. Exposed Steel: Baked enamel, color as selected from manufacturer's standard range.

PART 3 - EXECUTION

3.1 INSTALLATION

- A. Comply with manufacturers recommended installation procedures. Clamp, bolt or weld, as necessary, track hanging brackets and securely anchor track and accessories in accurate location. Install track in lengths as long as practicable with flush, hairline joints.

CLEMENT J. ZABLOCKI MEDICAL CENTER
MILWAUKEE, WI
111 RENOVATE SOUTH ENTRANCE
VA PROJECT: 695-12-101SCP

DEPARTMENT OF VETERANS AFFAIRS

- B. Install panels so that seals are in contact with entire perimeter when unit is in closed position, forming light-tight barrier.

3.2 ADJUSTMENTS

- A. Adjust units as necessary to assure smooth, quiet operation without warping or binding. Check and readjust operating hardware so that latches engage accurately and positively without forcing and binding.

- - - E N D - - -