

GUIDE SPECIFICATIONS FOR SERIES FABRICWAL® ACOUSTICAL ACCORDION FOLDING PARTITIONS

PART 1 GENERAL

1.1 SCOPE

1.1.1 The requirements of the instructions to Bidders, General Conditions, Supplementary General Conditions and Section apply to all work hereinafter specified.

1.1.2 This section shall include the furnishing of all tools, equipment and labor necessary to complete all acoustical folding partition work shown on drawings and/or herein specified.

1.1.3 Manufacturer shall furnish acoustical folding partitions complete with hardware, jambs and all necessary mechanisms to provide complete operation. The acoustical folding partitions herein after specified shall be installed by qualified factory trained craftsmen skilled in this trade.

1.2 RELATED WORK SPECIFIED ELSEWHERE

1.2.1 Section 03300 Cast-in-Place Concrete

1.2.2 Section 04200 Unit Masonry

1.2.3 Section 05100 Structural Metal Framing

1.2.4 Section 06100 Rough Carpentry

1.2.5 Section 06200 Finish Carpentry

1.2.6 Section 07920 Sealant and Caulking

1.2.7 Section 09250 Gypsum Board

1.2.8 Section 09300 Finish Ceilings

1.2.9 Section 09500 Acoustical Treatment

1.2.10 Section 09650 Finish Flooring

1.2.11 Section 09680 Carpet

1.2.12 Section 09900 Painting

1.2.13 Section 09950 Wall Coverings

1.2.14 Division 16 Electrical Work

1.3 REFERENCES

1.3.1 American Society for Testing and Materials (ASTM) E90-90 Laboratory Measurement of Airborne-Sound Transmission Loss of

Building Partitions.

1.4 SUBMITTALS

1.4.1 One sample of each color material to be used on the project.

1.4.2 Copies of properly identified manufacturer's literature with proposed catalog numbers identified. Complete shop drawings showing elevations of units, locations in the buildings, conditions at openings with wall thickness and materials, typical and special details of construction, location and installation requirements for hardware and operators, shape and thickness of materials, joints and connections and material finishes.

1.5 PRODUCT DELIVERY, STORAGE AND HANDLING

1.5.1 Deliver materials to job site and protect unsealed materials from abrasions.

1.5.2 Identify each container with material name and identification number. Store materials

under cover, protected from weather and construction activities. Safe storage of materials prior to installation is to be the responsibility of the general contractor.

1.6 ACCEPTABLE MANUFACTURERS

The following manufacturers are acceptable if the product bid meets the criteria outlined in the specifications and detailed on the drawings. All others must submit to the architect for approval, no less than 10 days prior to the bidding, sufficient information to show that their product will meet the intent of the specifications: PANELFOLD, INC.

PART 2 PRODUCTS

2.1 ACCORDION PARTITION shall be (specify: Fabricwal non-acoustical; STC 39; or STC 40); (specify: manually or electrically operated) as manufactured by Panelfold, Inc., Miami, Florida USA.

2.2 ACOUSTICAL TREATMENT: Continuous vinyl sweep seal installed both sides, fixed at top and adjustable at bottom; formed steel insulating panels, continuously lined with acoustical membrane; deep-nesting end posts with sound seals; and Positive latch. Partitions shall be as independently tested in accordance with ASTM E90-85.

2.3 FRAMEWORK shall be formed 16 gauge steel pantograph hinge plates welded to 3/16" diameter steel rods. Install a single row top and bottom at 42" intervals of height. Install double row at top over 12'1" high. Steel alloy carrier pendant shall be suspended from reinforced hinge channel.

2.4 COVERS of heavy duty, Class "A" flame spread rated vinyl with 100% polyester backing or covers of wall carpet or panel fabrics shall be steel leaf fastened to the frame and connected with invisible fasteners. Colors to be selected from manufacturer's standards.

2.5 TRACK shall be heavy duty extruded aluminum (with integral Ceilingshield™ for recessed track applications). Two ball-bearing wheels shall be installed at every other volute and four wheels at each end post.

2.6 END POSTS of fabric or carpet covered 16 gauge (1.6mm) formed steel shall have deep-nesting (specify: natural anodized; or ESP Bronze) aluminum nose with 3/8" (10mm) diameter holes to release trapped air; Gripall™ handles, automatic latches and jamb mould.

2.7 STACK FORMULA: (Approx.) 2"/ft. (167mm/m) plus 4" (102mm) for each end post.

2.8 HANGING WEIGHT: (Approx.) Non-acoustical 2.0 lbs./ft² (10kg/m²); STC 39, 5.0 lbs./ft² (23kg/m²); STC 40, 5.5 lbs./ft² (27kg/m²).

PART 3 EXECUTION

3.1 EXECUTION

Before installation is commenced, inspect the opening. Surfaces shall be clean and dry. Concrete surfaces shall be free of excess mortar and lumps. Wood surfaces shall be well nailed and/or glued, nailed heads driven flush, and wood free of voids. Metal surfaces shall be free of grease, oil, dirt, rust, corrosion and welding slag, without sharp edges.

3.2 PREPARATION

Open containers and verify that all required parts are available and undamaged before disposing of containers. Arrange materials in proper sequence to conform to manufacturer's information and installation instructions.

3.3 INSTALLATION

3.3.1 Installer shall conform to the manufacturer's installation instruction sheets.

3.3.2 Apply perimeter caulking and trim as required.

3.3.3 Adjust locking hardware for accurate fit.

3.4 CLEANING

3.4.1 Clean all wood, vinyl, wall carpet, panel fabric and plastic laminate surfaces to remove soil without using abrasive cleaners or solutions containing corrosive solvents.

3.4.2 Remove debris from worksite.

3.5 DEMONSTRATION

3.5.1 After all adjustments, lubrications and clean up, the installer shall demonstrate and instruct the proper operation, function and maintenance procedures for the walls.

3.5.2 Deliver all keys, operation and maintenance manuals to the owner.