

Panelfold®**Folding Doors****08350/PAO****PO Box 680130****Miami, Florida 33168****GUIDE SPECIFICATIONS FOR SERIES CRITERION® FOLDING DOORS****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 folding door work shown on drawings and/or herein specified.

1.1.3 Manufacturer shall furnish folding doors complete with hardware, jambs and all necessary mechanisms to provide complete operation. The folding doors hereinafter 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

1.3 SUBMITTALS

- 1.3.1 One sample of each color material to be used on the project.
- 1.3.2 Copies of properly identified manufacturer's literature with proposed catalog numbers identified.
- 1.3.3 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.

1.4 PRODUCT DELIVERY, STORAGE AND HANDLING

- 1.4.1 Deliver materials to job site and protect unsealed materials from abrasions.
- 1.4.2 Identify each container with material name and identification number.
- 1.4.3 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.

1.5 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 FOLDING DOORS shall be manually operated PVC, folding type as manufactured by Panelfold, Inc., Miami, Florida, U.S.A. and installed by an authorized representative of the manufacturer in openings prepared by others to Criterion requirements.

2.2 TRACK AND HANGERS: Track shall be extruded aluminum. Hanger assemblies with two nylon wheels shall be suspended on alternate panels and on each end post.

2.3 PANELS shall be 4-1/2" (114mm) wide by .040" (10mm) thick, permanently fire-resistant, extruded, rigid Polyvinyl Chloride (PVC).

2.4 HINGING: Criterion panels shall be interconnected by rigid, self-mating hinges formed as an integral part of each panel running the full height of the door. Within the hinge structure, integrated, continuous, extruded PVC veins shall be incorporated for proper hinge alignment.

2.5 TRIM: Doors shall be supplied with (specify: decorative track; optional plain track with track mould to conceal track; or optional plain track with extruded aluminum sub-channel for recessed track).

2.6 END POST: Rigid PVC 1-3/4" (45mm) wide by 1/2" (13mm) thick, double-wall end post shall be equipped with handles and magnetic latch with nesting jamb mould and integral strike plate.

2.7 JAMB POST: Centerline PVC jamb post shall snap over concealed jamb clips providing a tight attachment to the jamb. There shall be no exposed fasteners.

2.8 HARDWARE: Each door shall be individually cartoned. Each carton shall contain track and all installing hardware and manufacturer's illustrated installation and service instructions.

2.9 STACK FORMULA: Approximately $3/4"/\text{ft.}^2$; ($19\text{mm}/\text{m}^2$;) plus $2-1/2"$ (64mm) for each end post.

2.10 HANGING WEIGHT: Approximately $5/8 \text{ lbs.}/\text{ft.}^2$; ($3\text{kg}/\text{m}^2$;).

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.