



148/150 Milbar Boulevard. Farmingdale, N.Y. 11735
Tel: (631) 414 7725. Fax: (631) 414 7729

This document is intended to serve as a proprietary guide that provides CDM's recommendations for specification language applicable to its products.

This document does not inherently serve as a pre-written master specification. Review and edit as needed to suit each Project's individual requirements. Text in bold parentheses indicates choices or options that need to be selected by the party preparing the Project specifications.

CELEBRATING EXCELLENCE FOR OVER 60 YEARS

A New York Metropolitan-based manufacturer is a natural choice as a partner for companies nationwide. In 1957, Custom Door and Mirror started out as a small family-run business. Our skill was crafted through over 60 years of learning how to make the industry's best bifold and sliding doors. Today, CDM manufactures the highest-quality doors in the widest range of sizes.

SECTION 08 14 76 - BIFOLDING WOOD DOORS

PART 1 - GENERAL

1.1 SECTION INCLUDES

Delete types of bifolding doors that are not applicable.

- A. Custom bifolding wood (**Flush**) (**Routed panel**) (**Mirror**) (**Mir-Mel**) doors.

1.2 PREINSTALLATION MEETINGS

For large and complex project types, retain "Conference at Project Site".

- A. Preinstallation Conference: Conduct preinstallation (**teleconference**) (**conference at Project site**).

1.3 SUBMITTALS

A. Action Submittals:

- 1. Product Data:
 - a. For each bifold type.
 - b. Include construction details, material descriptions, dimensions of individual components and profiles, and finishes for bifolding doors.
- 2. Shop Drawings:
 - a. Include plans, elevations, sections, and installation details.
 - b. For installation to aid in various installation scenarios, Include clearances required for operation, operating and control mechanisms, and accessory items.
- 3. Samples: For each exposed product and for each color and texture specified.
- 4. Door Schedule: For bifolding doors. Use same designations indicated on Drawings.

- B. Closeout Submittals:
 1. Operation and Maintenance Data: For bifolding doors to include in Use and Care guide.

1.4 FIELD CONDITIONS

- A. Environmental Limitations: Do not deliver or install bifolding wood doors until spaces are enclosed and weathertight, wet work in spaces is complete and dry, and HVAC system is operating and maintaining ambient temperature and humidity conditions at levels intended for building occupants after completion of construction during the remainder of the construction period.

1.5 DELIVERY, STORAGE, AND HANDLING

- A. Provide bifolding doors, accessories, and related materials in properly agreed upon packaging and protected during shipping, handling, and storage to protect from damage.
- B. Store materials indoors under cover on the long edge, on a flat and level surface, protected from dirt, debris, moisture and only after wet sanding or drywall finishing is completed.

1.6 WARRANTY

- A. Hardware Warranty: Manufacturer's warranty against defects in materials and workmanship to repair or replace hardware components deemed to be defective by manufacturer for the life of the product.
- B. Additional Warranty: Manufacturer's warranty for materials other than hardware against defects in materials and workmanship to repair or replace components deemed to be defective by manufacturer for five (5) years.

PART 2 - PRODUCTS

2.1 MANUFACTURER

- A. Basis of Design: Design is based on bifolding wood doors by Paniflex Door Systems, Farmingdale, NY, (631) 414-7725, Sales@Paniflex.com.

2.2 BIFOLDING WOOD DOORS

- A. Description: Outward opening bifolding wood doors hinged together in pairs and supported by top and bottom pivots with floor and overhead track and door guide pins in the following configuration:
 1. Hinged (bifolding doors; 45-pound density MDF substrate.

Trim and track only available in chrome or black or matching.

- B. Trim/Track: **(Chrome) (Black) (Matching):**
 1. **(Standard track)**
 2. **(Low Profile track)**

Retain paragraph below for Flush, Routed, and Slotted panels. Routed design panels are only available factory primed. Delete finishes not used in Project.

- C. Panel Finish: **(Factory primed) (Pre-finished white) (Pre-finished Cherry) (Pre-finished Espresso) (Stain Grade Maple) (Leather flush featuring Ecodomo Sustainable Leathers www.EcoDomo.com)**

Fill in the blank with style selected by Architect. Routed panel design is only available in primed finish.

- D. Routed Panels: MDF flush doors with panel designs routed into them. Provide the following styles as selected by Architect:
1. Panel Style: [____].

2.3 MATERIALS

- A. MDF Flush Door Panels: 45 pound density; vertical sides edge-banded.
1. MDF: ANSI A208.2, Grade 130.
 2. Toxic Substances Control Act: Product is compliant with "TSCA Title VI."
 3. California Air Resources Board (CARB) compliant.
 4. **(Optional: 45 pound density MDF Trupan Vesta ULEF MDF panels supporting LEED credits.)**
- B. Pre-Finished Flush MDF Door Panels:
1. Color: **(Pre-finished Cherry) (Pre-finished Espresso) (Pre-finished White)**.

Retain stain-grade door panels only when stained wood doors are selected.

- C. Stain Grade Maple Flush Door Panels:
1. Wood Veneer: Unfinished

Retain mirrored glass only if using bifolding mirrored doors.

- D. Mirrored Glass Panels: Comply with ASTM C1503; 3-mm thick, aluminum with ASTM C1036 for Type I (transparent, flat), Class 1 (clear), Quality q2 (mirror) float glass applied to 3/4-inch MDF.
1. Mirror Edge Treatment: **(Beveled) (Polished)**.
- E. Mer-Mel Panels: 3-mm thick, Aluminum Mirror with ASTM C1036 for Type I (transparent, flat), Class 1 (clear), Quality q2 (mirror) float glass applied to the face of the panel. 4 edges beveled.
1. Color: **(Pre-finished Cherry) (Pre-finished Espresso) (Pre-finished White) (Primed) (Unfinished Maple)**.
- F. Slotted/Vented Panels: primed only.
1. Configurations:
 - a. **(Routed slots)** Specify configuration.
 - b. **(Steel Vents)** Specify configuration and airflow requirements.
 - c. **(Aluminum Grille)** Specific grille from Architectural Grille www.ArchGrille.com
- G. Leather Panels: Wrapped in sustainable Recycled Leather Veneer (RLV). RLV three (3) good sides, face and vertical edges.
1. Grain: _____.
 2. Color: _____.
- H. Aluminum Extrusions: ASTM B221, Alloy 6063-T5 or T6.
1. Finish: Powder Coating per AAMA 2605 in white, chrome, or black as selected by Architect.
 2. Top Track: Manufacturer's aluminum track with wood inserts and reversible top pivot block.
- I. Hardware: Manufacturer's factory supplied and as follows:
1. Hinges: Paniflex spring hinges.
 - a. Four cam-activated, self-aligning, rear-mounted hinges.

2. Guides and Pivots: Spring-loaded, zinc-plated top pivot pin and roller guide with nylon bushings, floor plates, door aligners, and adjustable bottom pivot pin.
3. Handles: C-Shaped wraparound, extruded aluminum, rear-mounted.
 - a. Finish Color: **(Chrome) (White) (Black)**.
 - b. Optional Customer supplied handle

Saddle is included for installation to aid in various installation scenarios but is not required.

4. Optional Saddle: 5/8 inch rise x 2 inch width. Red Oak **(Using) (Not using)**
 - a. **(Unfinished) or (Clearcoat)**
5. Optional Jamb Bracket: Provide manufacturer's standard for use where floor anchoring is limited.

2.4 FABRICATION

- A. Fabricate bifolding doors in sizes indicated. Include a complete system for assembling components and anchoring doors.
- B. Complete fabrication, assembly, finishing, hardware application, and other work in the factory to greatest extent possible. Disassemble components only as necessary for shipment and installation.

2.5 PRIMED FINISHING

- A. Roll/Paint with high-quality interior, latex paint. Following paint manufacturer's instructions.

Retain following article only when shop-finished stain grade panels have been selected. Revise to match selected finish, as needed.

2.6 STAIN GRADE FINISHING

- A. Stain and topcoat (or topcoat only) with high-quality interior products following manufacturer's instructions.

PART 3 - EXECUTION

3.1 PREPARATION

- A. For folding doors supported by or anchored to permanent construction, advise installers of specific requirements for placement of anchorage devices. Furnish installers of other work with templates and drawings indicating locations of anchorage devices and similar items.

3.2 INSTALLATION

- A. General: Install folding doors complying with manufacturer's written installation instructions.
 1. Install tracks as recommended by manufacturer.
- B. Standard Floor Clearances:
 1. Typical: 3/4 inch to 1 inch maximum (above floor finish).
 2. With Saddle: 1 inch to 1-1/2 inch maximum (above floor finish).
- C. Adjust units to ensure smooth, quiet operation. Adjust hardware so panels meet and line up properly with equal reveals. Adjust hardware to function smoothly.

END OF SECTION 08 16 76