

DIVISION 8 – DOORS AND WINDOWS  
08 14 76 Bifolding Wood Doors  
Magiglide Bifold Door

1. GENERAL

1.01 WORK INCLUDED

A. Base Bid:

1. Contractor Provided: particleboard bifold interior doors, primed, factory premachined, complete with hardware at locations indicated on the drawings and schedules.
2. Bifold doors shall be warrantied for five (5) years by the manufacturer.

1.02 RELATED WORK

A. Specified Elsewhere:

1. 06 20 00 Finish Carpentry
2. 09 90 00 Painting

1.03 SUBMITTALS

A. Shop Drawings: Showing application of doors to project, complete with installation instructions.

B. Product Data: Door manufacturer's technical data, including details of construction and hardware specifications.

2. PRODUCTS

2.01 ACCEPTABLE MANUFACTURERS

A. Manufacturer: Any recognized manufacturer of bifold particleboard doors complying with the requirements, including the following

1. Landquist and Son, Inc: 9850 W. 190<sup>th</sup> Street, Suite L Mokena, IL 60448
2. Or approved equal

2.02 MATERIALS/FABRICATION

A. General: Specific sizes and types to be scheduled on the drawings.

B. References: **NOTE TO SPECIFIER: \*INDICATES NON-STANDARD VESTA BOARD\***

1. LEED v 4.1 certifications
  - a. MR Credit: Environmentally Preferable Products
  - b. MR Credit: Construction and Demolition Waste Management
  - c. EQ Credit: Low-Emitting Materials\*
2. CARB Compliant
  - a. CARB Composite Wood ATCM Phase II Formaldehyde Emissions Limits
3. Environmental Volatile Organic Compounds Emissions (Intertek)
  - a. CDPH 01350: PASS\*
4. American Disabilities Act (ADA)
  - a. 404.2.5 Thresholds at Doorways
  - b. 404.2.7 Door Hardware
  - c. 404.2.9 Door Opening Force
5. Fair Housing Act
  - a. 3.13 Door Thresholds

C. Basis of Design Options: Magiglide Bifold Closet Door

**NOTE TO SPECIFIER: CHOOSE ONE FROM EACH CATEGORY \*INDICATES NON-STANDARD\***

1. Particleboard Thickness: 3/4 inch
2. Particleboard Thickness: 1-1/8 inch\*
3. Core: 45 lb density standard particleboard
4. Core: 45 lb density VESTA particleboard\*
5. Finish: Primed Paintable Melamine
6. Finish: Melamine\*
  - a. White, Almond or custom
7. Finish: Prefinished Painted\*
  - a. Indicate paint color
8. Finish: Wood Grain Veneer\*
  - a. Indicate Wood Species and Stain
9. Floor Plate: Standard
  - a. All flooring types
10. Floor Plate: Flat
  - b. Flat floors only
11. Track: Extruded Aluminum
12. Track: Extruded Aluminum with white tape track applied by manufacturer\*
13. Pull: Manufacturer standard u-shaped satin nickel, 96mm.
14. Pull: Architect specified\*

D. Basis of Design ADD ON Options: Magiglide Bifold Closet Door

**NOTE TO SPECIFIER: ALL ADD ONS BELOW DO NOT COME STANDARD WITH BIFOLD SYSTEM**

1. Stainless Steel Floor Plate Boot
  - a. Standard Floor Plate
2. Stainless Steel MODIFIED Floor Plate Boot
  - a. Engineered floors, standard floor plate
3. Vent: G35 return air grille in Steel
4. Vent: Wood Flat Slat Louver

E. Particleboard Bifold Doors: Comply with the following requirements

1. Bifold units to be fabricated of 45 lb density industrial grade particleboard, thickness to be determined.
2. Provide one of the following finishes:

**NOTE TO SPECIFIER: DELETE FINISHES THAT ARE NOT APPLICABLE TO PROJECT.**

- a. Primed Paintable Melamine: Provide primed paintable units with paint grade melamine panels, 2 sides.
- b. Melamine: Provide melamine units with thermofused melamine 2 sides in manufactures standard off-white, almond, or custom.
- c. Prefinished-Painted: Provide factory prefinished-painted units with paintable melamine 2-sides, prefinished with manufacturer's standard off-white or custom paint on face and all vertical edges.
- d. Wood Grain Veneer

- 1) Prefinished: Provide prefinished wood grain veneer with all faces and vertical edges with clear or with stain.
- 2) Unfinished: Provide unfinished wood grain veneer with all faces and vertical edges raw.
3. All edges of the panels shall be plasticized. Panels are hinged together with continuous piano hinges inserted into routed grooves and secured with tempered pins.
4. Hardware to be factory applied to doors and track wherever practical.
5. Door brackets to have wrap around feature to eliminate all unnecessary stress on the screws.
6. Pivot and mounting hardware to be made of 14 gauge cold rolled steel. Certain parts, where required, shall be carbonized for additional strength and durability.
7. Track to be 13/16" x 1-1/4" No. 6063T6 extruded aluminum.
8. Track guides to be Delrin.
9. Top pivot and guide pins to be 3" removeable compensating pins.
10. Pulls to be manufacturer's standard.

### 3. EXECUTION

#### 3.01 EXAMINATION

A. Examine prepared openings prior to hanging doors to verify that the openings comply with the indicated requirements for type, size, location, and fold characteristics and have been installed with plumb jambs and level heads.

1. Reject any doors with defects.
2. Do not proceed installation until unsatisfactory conditions have been corrected.

#### 3.02 INSTALLATION

- A. Condition doors to average prevailing humidity in installation area prior to hanging.
- B. Install doors in accordance with manufacturer's instructions and as indicated.

#### 3.03 ADJUSTING AND PROTECTION

- A. Operation: Rehang or replace doors which do not slide or operate freely.
- B. Finished doors: Refinish or replace doors damaged during installation.
- C. Protect doors as recommended by door manufacturer to ensure that doors will be without damage or deterioration at time of substantial completion.

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