

# PREMIER Bi-Fold SPECIFICATIONS

## BF2 Vertical Folding Bi-Fold Door



### Standard Size:\*

**Maximum Opening:** 30' x 20'

**Minimum Opening:** 8' x 8'

\*Smaller and larger sizes are available with modifications to "standard" frame.

### PRODUCT OVERVIEW:

Hufcor provides the frame, drive mechanism and controls, leaving the choice of covering or finish material open to the architect to meet the design need.

Hufcor's Premier aluminum bi-fold door may be clad with just about any material. Whether the covering desired is glass, translucent plastic, brushed aluminum, stainless steel, decorative wood, concrete or stucco, Hufcor designs and prepares the door to accept the material.

Every door is engineered and built specifically for the application—no door is off the shelf.

**Standard Features:** The frame is of architectural grade 6061-T6 aluminum.

**How to Obtain:** Hufcor doors are sold, installed, and serviced by factory-trained authorized Distributors in the United States and by Licensees and Distributors outside the U.S.A.

**Delivery:** Panels are custom built for your specific project. Lead times vary due to seasonal fluctuations (average 6-8 weeks from receipt of final dimensions and approved shop drawings). Check with your Distributor for the current schedule.

**Warranty:** Frame, drive mechanism and controls are guaranteed for **one year** against defects in material and workmanship. The cladding is not included in this warranty.

### "Standard" Product Features and Benefits:

Look for these features when comparing similar products.

1. Feature: Door folds vertically up and out  
Benefit: Minimizes the amount of headroom needed inside the building for the system and eliminates panel storage.
2. Feature: When retracted, the door forms an awning.  
Benefit: Provides some protection from the weather and shade from sun when open.
3. Feature: Frame of architectural grade aluminium  
Benefits: Strong, durable and aesthetically pleasing.
4. Feature: No floor track required  
Benefit: Nothing to impair movement in and out of the building.
5. Feature: Extensive cladding options.  
Benefit: Architect or owner can select from cladding options to match or coordinate with the building.
6. Feature: Top-mounted motor and drive mechanism  
Benefit: Masks the drive mechanism so it's away from view and people.
7. Feature: Variable Speed Drive  
Benefit: Provides a smooth, soft, start and stop, minimizing wear on the motor and components.



# BF2 Vertical Folding Bi-Fold Door

## **PART 1 - GENERAL**

### 1.01 DESCRIPTION

#### A. General

1. Furnish and install bi-fold door system. Provide all labor, materials, tools, equipment, and services for bi-fold door in accordance with provisions of contract documents.

### 1.02 RELATED WORK BY OTHERS

- A. Preparation of opening including door channel will be by General Contractor. Any deviation of site conditions contrary to approved shop drawings must be called to the attention of the architect.
- B. All header, blocking, support structures, jambs, and track channel, as required.
- C. Paint or otherwise finishing all trim and other materials adjoining door.

### 1.03 SUBMITTALS

- A. Complete shop drawings are to be provided prior to fabrication indicating construction and installation details. Shop drawings must be submitted within 60 days after receipt of signed contract.

### 1.04 PRODUCT DELIVERY, STORAGE, AND HANDLING

- A. Proper storage of door before installation and continued protection during and after installation will be the responsibility of the General Contractor.

### 1.05 WARRANTY

Frame, drive mechanism and controls shall be guaranteed for one year against defects in material and workmanship from date of shipment to the job site. The cladding is not included in this warranty.

## **PART 2 - PRODUCTS**

### 2.01 ACCEPTABLE MANUFACTURERS

- A. Upon compliance with all of the criteria specified in this section, Manufacturers wishing to bid products similar to the product specified must submit to the architect 10 days prior to bidding complete data in support of compliance and a list of three past installations of products similar to those listed. The submitting manufacturer guarantees the proposed substituted product complies with the product specified and as detailed on the drawings.

### 2.02 MATERIALS

- A. Product to be aluminum bi-fold door as furnished by Hufcor.
  1. Frames shall be of 6061-T6 architectural aluminum alloy tubing and provide light weight, strength and corrosion resistance.
  2. Doors are furnished with full-perimeter seals - a soft rubber top seal, neoprene side seals and a bottom seal that hugs the contour of the ground.
- B. Lift cables to be galvanized steel aircraft cables sized and numerous enough to provide a 5:1 safety factor. Lift cables are to be fastened to the bottom of the door. At the opposite end the cables are to be fastened to a drive shaft cable drum at the top of door by means of a welded ring on the drum. Cables shall not pass through pulleys, thereby reducing maintenance and extending cable lift.
- C. Power Operator - All electrical controls meet National Electrical Code Section 513. Standard voltage is 230V single phase. The gear motor is equipped with an electric brake and will hold the door in any position during its travel. The drive mechanism and operator is top-mounted. Motor is pre-wired and factory tested and provided with supply cables for final hookup (by others).
- D. AC-DRIVE - Shall be Ascent AC-Drive housed in a NEMA 12-rated electrical enclosure. Face mounted Up/Down/stop button allows the operator to operate the door with a push of the button. The enclosure's quick-disconnect enables a technician to quickly turn the power on and off.

### E. Finishes

1. Frame color shall be of mill finish aluminum:
  - a. Optional finishes (by others)
    - (1) Anodized
    - (2) Paint

### F. Available Accessories/Options

1. 3'0" x 6'0" [914 x 1829] pass door
2. Remote control

### 2.03 OPERATION

- A. Door shall be electrically extended/retracted in the opening

## **PART 3 - EXECUTION**

- A. Installation. The installation of the door system shall be by an authorized factory-trained installer and be in strict accordance with the approved shop drawings and manufacturer's standard printed specifications, instructions, and recommendations.

### B. Cleaning

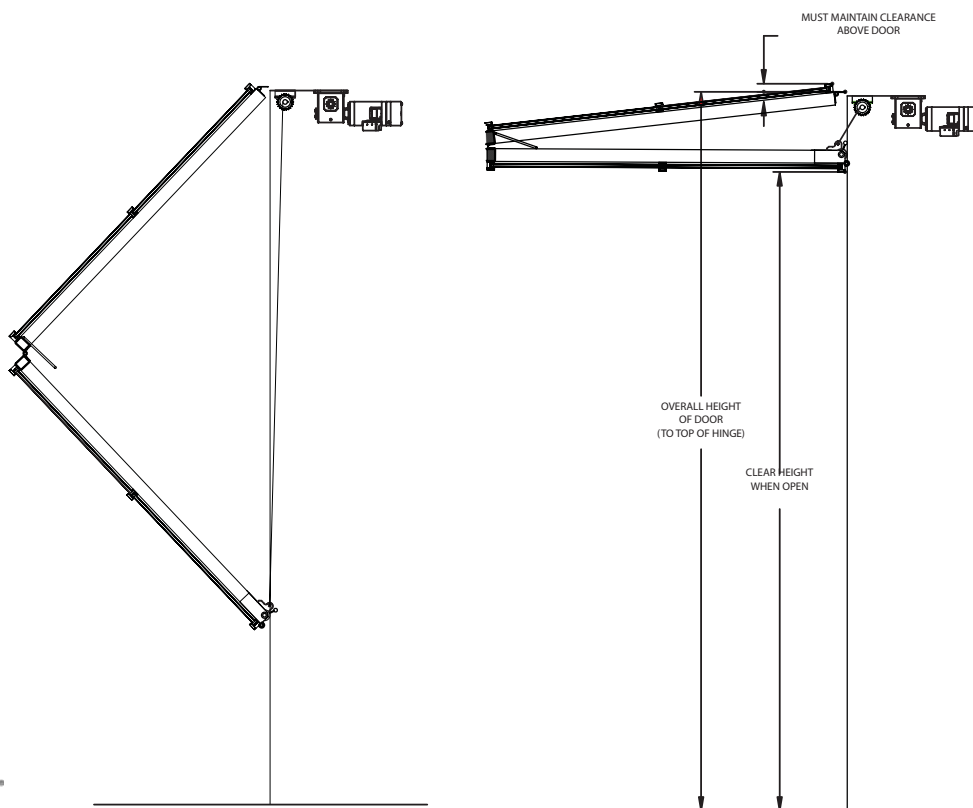
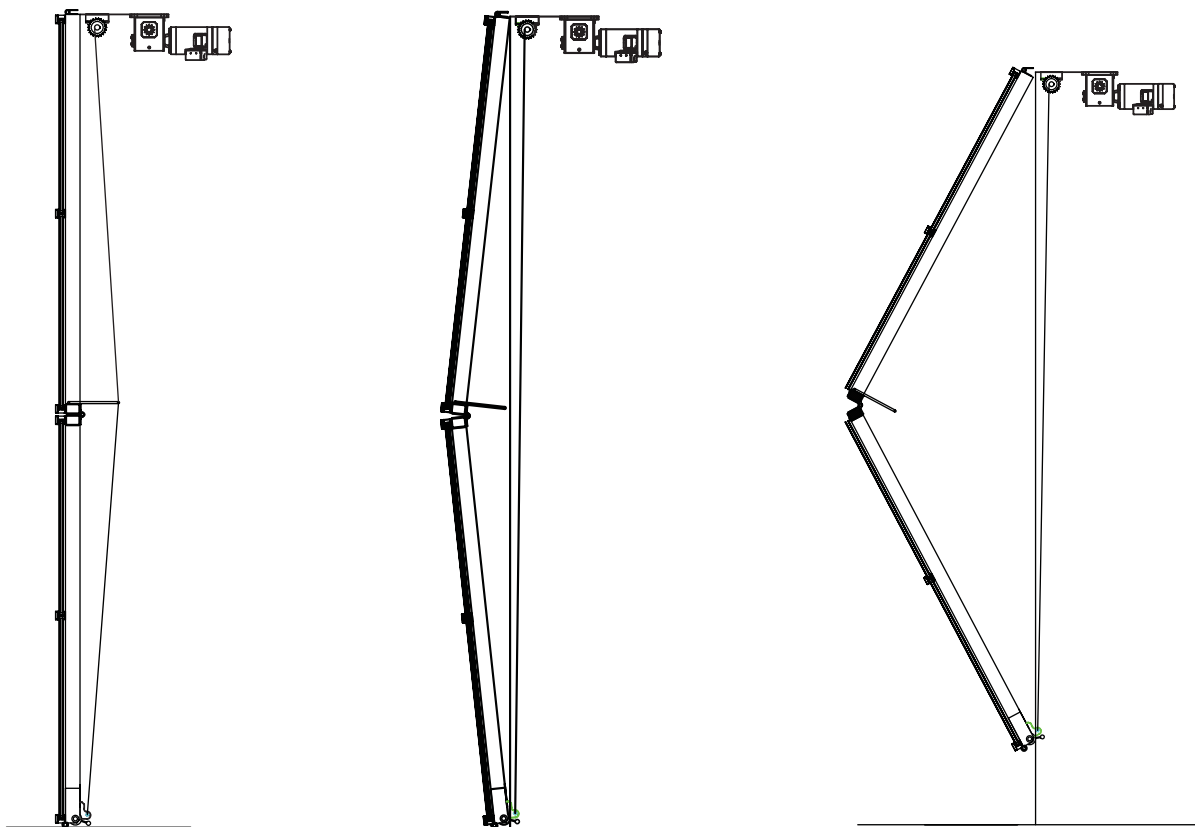
1. All track and panel surfaces shall be wiped clean and free of handprints, grease, and soil.
2. Cartoning and other installation debris shall be removed to on-site waste collection area, provided by others.

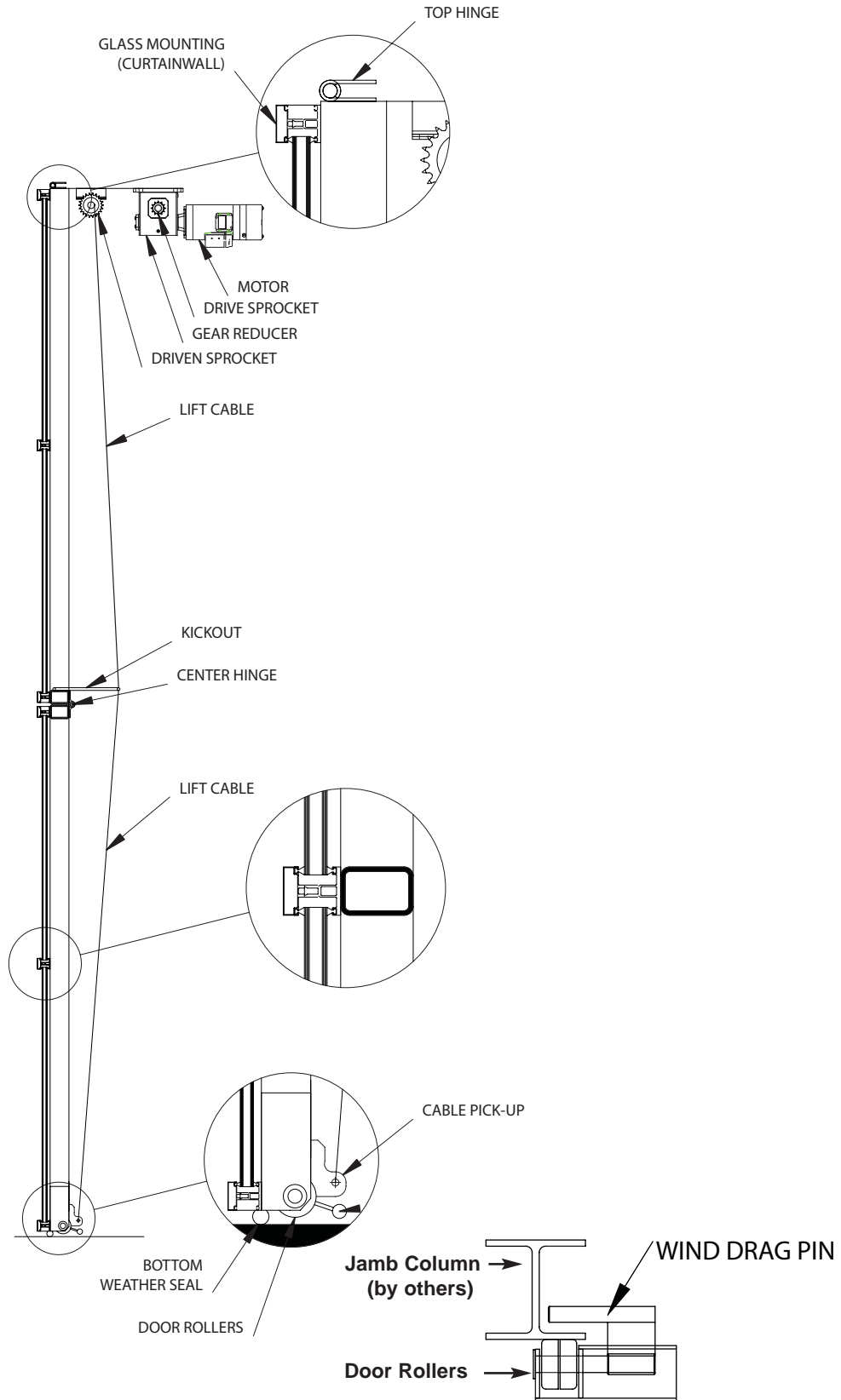
### C. Training

1. Installer shall demonstrate proper operation and maintenance procedures to owner's representative.
2. Operating keys and owners manuals shall be provided to owner's representative.

# BF2 Vertical Folding Bi-Fold Door

Door Opening Progression





**World headquarters:**

Hufcor Inc.  
 P.O. Box 591  
 Janesville, WI USA 53547-0591  
 1-800-542-2371 ext. 214; 1-608-756-1241  
 FAX: 1-608-758-8253  
 E-mail: info@hufcor.com  
 www.hufcorbifold.com

The manufacturer reserves the right to improve and change product without notice.