

PRODUCT SPECIFICATIONS





SECTION 08 35 13
FOLDING GLASS WALLS/DOORS
glassFOLDWALL>Framed

PART 1 GENERAL

1.1 SECTION INCLUDES

- A. Furnish-only (unless otherwise specified) Carvart® custom folding dry-glazed aluminum framed folding glass walls/doors.
 - 1. Aluminum frame
 - 2. Top track
 - 3. Glass
 - 4. Rolling hardware
 - 5. Hinges
 - 6. Gaskets/brushes
 - 7. Floor bolts/dust-proof strikes
 - 8. Steel top structure (specified as extra/add-on)
 - 9. Accessories as specified (not included in glassFOLDWALL spec)

1.2 RELATED REQUIREMENTS

- A. Section 06100 Rough Carpentry: Blocking and requirements for fastening wall and ceiling products.
- B. Section 092216 Non-Structural Metal Framing: Framing and blocking for metal framing.

1.3 REFERENCE STANDARDS

- A. U.S. Architectural & Transportation Barriers Compliance Board. Americans with Disabilities Act (ADA), Accessibility Guidelines for Buildings and Facilities (ADAAG), Washington, DC: GPO, 1991.
- B. ANSI Z97.1 Standard for Glazing Materials Used in Buildings - Safety Performance Specifications and Methods of Test.
- C. ASTM C1036 Specification for Flat Glass.
- D. ASTM C1048-04 Specification for Heat-Treated Flat Glass Kind HS, Kind FT Coated and Uncoated Glass.
- E. ASTM C1036 Specification for Architectural Flat Glass.
- F. ASTM E90 Test Method for Laboratory Measurement of Airborne Sound Transmission Loss of Building Partitions.
- G. ASTM E1300 - Practice for Determining Minimum Load Resistance of Glass in Buildings.
- H. CPSC (Consumer Products Safety Commission) 16CFR 1201.
- I. GANA (Glass Association of North America) Glazing Manual.
- J. GANA (Glass Association of North America) Glass Design Guide.

1.4 PERFORMANCE REQUIREMENTS

- A. Loads: Size glass thickness to withstand dead loads and positive and negative live loads acting normal to plane of glass [as calculated in accordance with [_____] code.] [to a design pressure of [_____] lb/sq ft ([_____] kPa).] [as measured to ASTM E330 - static.] [as measured to ASTM E1233 - cyclic.] [as measured to ASTM E283.]
- B. Deflection: Size glass thickness and limit glass deflection to [1/200] [_____] or flexure limit of glass, with full recovery of glazing materials, whichever is less.

1.5 SUBMITTALS FOR INFORMATION

- A. Include material descriptions, color charts, hardware information, construction and anchoring details, component fabrication, and installation requirements.
- B. Shop Drawings: Provide shop drawings indicating fabrication and installation of partition assemblies and screen attachment. Include layout plan, elevations, construction sections, panel details, and required attachment to adjacent construction.
- C. Samples: Submit 4" x 4" glass square samples of material and thickness specified for each color and finish indicated.
- D. Scale Model: Submit a scale model of partition doors and hardware.
- E. Maintenance Kit: Provide manufacturer's standard maintenance kit, including special tools for adjusting hardware.

1.6 QUALITY ASSURANCE

- A. Installer Qualifications: Engage an experienced installer who has been trained to install cubicle systems similar in design and extent to those indicated for this Project and who is acceptable to the cubicle system manufacturer.
- B. Source Limitations: Obtain cubicle systems and screens from a single manufacturer with resources to provide materials of consistent quality in appearance and physical properties without delaying the Work.
- C. Perform Work in accordance with [GANA Glazing Manual,] [GANA Sealant Manual,] [and] [GANA - Laminators Glass Design Guide] for glazing installation methods. [Maintain [one (1)] [_____] copy on site.] • Installer Qualifications: Company specializing in performing the work of this section [with minimum [_____] years [documented] experience,] [approved by Carvart®].

1.7 DELIVERY, STORAGE & FIELD CONDITIONS

- A. Deliver materials to Project site in undamaged condition.
- B. Store and handle cubicle system components and related materials to prevent deterioration or damage due to moisture, temperature changes, contaminants, corrosion, breakage, chipping, or other causes.
- C. Field Measurements: GC/client to verify dimensions in areas of installation by field measurements before fabrication and indicate measurements on Shop Drawings. Field dimensions to be communicated to Carvart PM by date



indicated on schedule and providing VIF-indicated dimensions on shop. Hold dimensions are responsibility of GC/client. Coordinate fabrication schedule with construction progress to avoid delaying the installation schedule.

1.8 WARRANTY

- A. glassFOLDWALL Warranty: Submit a written limited warranty executed by the manufacturer stating that the folding systems are free from defects in materials and workmanship and agree to replace cubicle system and screen components that do not retain their original qualities within the specified warranty period.
- B. Warranty Period: 2 years from date of Substantial Completion.

PART 2 PRODUCTS

2.1 OWNER-FURNISHED PRODUCTS

- A. All structural components above top track (unless steel structure furnished by Carvart® is specified) are to be supplied and coordinated and installed by owner/client/GC and structural consultants. Carvart to furnish glass folding wall hardware and glass only.

2.2 MANUFACTURERS

- A. Acceptable Manufacturer: Carvart 1441 Broadway, New York, NY 10018; E-mail info@carvart.com; Website www.carvart.com; Phone (212) 675-0030.
- B. Substitutions: Not permitted. Requests for substitutions will be considered in accordance with provisions of Section 01600.

2.3 MATERIALS - GLASS

- A. Glass: 3/8" -9/16" laminated or monolithic glass, tempered as required.
 - 1. Material Thickness: 3/8" - 9/16" nominal.
 - 2. Color and Pattern: To be selected by the Architect from manufacturer's standard selections. Custom colors available upon request and within manufacturers fabrication limitations.

2.4 MATERIALS - HARDWARE

- A. Manufacturer's standard design, heavy-duty operating hardware.
- B. Hinges: 3 hinges per door
- C. Door Latch: Manufacturer's standard heavy-duty thumb-turn, drop bolt or keyed bolt
- D. Fasteners and Anchors: not furnished by Carvart®
- E. Trolley hardware: supplied and determined by manufacturer
- F. Top track: cut to size and includes maintenance piece

2.5 MATERIALS - HARDWARE FINISH

- A. Aluminum finish: anodized in various finishes, refer to manufacturer

PART 3 EXECUTION

3.1 EXAMINATION

- A. Carvart is not responsible for installation. Receiver responsible for taking delivery must report any missing or damaged material within 48 hours of delivery to validate any claims. Any materials that are damaged or missing that are identified after the 48 hours will be the responsibility of the receiver/client.

3.2 PREPARATION

- A. Field conditions must be prepared per the approved shop drawings. All blocking must be located and to the spec on the shops drawings.

3.3 INSTALLATION

- A. Install top track and door panels in accordance with manufacturer's written installation instructions.
- B. Assemble panels according to individual panel assembly instructions

3.4 CLEANING

- A. Section 01700: Cleaning installed work.
- B. Remove glazing materials from finish surfaces.
- C. Remove labels after Work is complete.
- D. Clean glass and adjacent surfaces.
- E. To maintain aesthetics, it is important to clean the glass during and after construction. For routine cleaning, use a soft, clean, grit-free cloth and a mild soap, detergent, or window cleaning solution. Rinse immediately with clean water and remove any excess water from the glass surface with a squeegee. Do not allow any metal or hard parts of the cleaning equipment to contact the glass surface. Clean cubicle components in accordance with manufacturer's instructions and recommendations.

3.5 PROTECTION OF FINISHED WORK

- A. Section 01700: Protecting installed work.
- B. Protect installed glass from damage during construction.
- C. Protect installed glass from contact with contaminating substances resulting from construction operations.
- D. Touch-up, repair or replace damaged products before Substantial Completion. Remove and replace glass that is broken, chipped, cracked, abraded, or damaged in other ways during construction period, including natural causes, accidents, and vandalism.