Series GL1 Individual, Glass Panels
(Series was formerly G600)

Top Supported
Side Stack
Individual, Omni-Directional Panels
Manually Operated
Maximum Opening Height: 10’ 5” [3.2m]
Maximum Opening Width: Unlimited

"Standard" Product Features and Benefits:
Look for these features when comparing similar products.

1. Feature: Interlocking bottom rails
   Benefit: Ensures flat setup of the partition.

2. Feature: Footbolts must be set before next panel can be positioned
   Benefit: Ensures that footbolts are set, that the panel is plumb, and securely locked in place.

3. Feature: Mechanical pins hold glass through holes in glass (instead of friction)
   Benefit: Provides a positive hold and ensures that the glass cannot slip from the top rail.

   Benefit: Push or pull this pass door for egress in either direction.

(Important note: there is a 1/4-1/2” [6-12] gap between panel joints to prevent glass from touching during panel setup. Size of gap varies due to glass tolerances.)

The standard product may be modified to fit individual job site requirements. Contact your Hufcor representative for assistance.
GL1 Individual, Omni-Directional Glass Partitions

PART 1 - GENERAL

1.01 DESCRIPTION
A. General
1. Furnish and install operable glass partitions and suspension system.
   Provide all labor, materials, tools, equipment, and services for glass
   operable walls in accordance with provisions of contract documents.

1.02 RELATED WORK BY OTHERS
A. Preparation of opening 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 enclosures, as
   required in 1.04 Quality Assurance.
C. Prepunching of support structure in accordance with approved shop
   drawings.
D. Paint or otherwise finishing all trim and other materials adjoining head
   and jamb of the partitions.

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 QUALITY ASSURANCE
A. Preparation of the opening shall conform to the criteria set forth per
   ASTM E557 Standard Practice for Architectural Application and
   Installation of Operable Partitions.
B. Glass shall be clear tempered per ASTM C1048-97b.

1.05 PRODUCT DELIVERY, STORAGE, AND HANDLING
A. Proper storage of partitions before installation and continued protection
   during and after installation will be the responsibility of the General
   Contractor.

1.06 WARRANTY. Track, carriers, and horizontal rails shall be guaranteed
   for one year against defects in material and workmanship. The glass 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 top supported, Series GL1 individual glass panels as
   manufactured by Hufcor.
1. Panels shall be nominally 1-5/8” [40] thick and to 48” [1219] in width.
2. Glass shall be mechanically attached to top and bottom rails and not
   rely on friction and/or adhesives.
3. All glass edges shall be polished and glass panel faces shall be a
   choice of
   a. 1/2” [12] fully tempered glass
   b. 1/2” [12] laminated glass.
   c. 1/2” satiny translucent acid washed, full height, one side only
   d. Optional (factory approval required):
      Acrylic Custom glass
4. Top and bottom horizontal rail shall be anodized aluminum and
   incorporate brush light seals.
5. Glass faces shall have no vertical trim. (Important note: there is a
   1/4-1/2” [6-12] gap between panel joints to prevent glass from
   touching during panel setup. Size of gap varies due to glass
   tolerances.)
6. Each panel contains a footbolt which is extended into a floor
   mounted receiver to stabilize and secure each panel in the opening.

B. Weight of the panels shall be approximately 7.4 lbs. per sq. ft. for 1/2”

C. Suspension system:
   1. Track shall be of clear anodized architectural grade extruded aluminum
      alloy 6063-T6. Track design shall provide integral support for adjoining
      ceiling, soffit, or plenum sound barrier. Track shall be connected to the
      structural support by min. 3/8” [10] dia. threaded steel hanger rods.
      Guide rails and/or track sweep seals shall not be required.
     a. Each panel shall be supported by two 2-wheeled counter-rotating
        horizontal carriers. Wheels to be of precision ground steel ball
        bearings with heat treated and hardened races encased with molded
        polymer tires.
   D. Finishes
     1. Horizontal rail color shall be (select one):
        a. Clear anodized (standard)
        b. Bronze anodized (optional upgrade)
        c. Stainless steel clad (optional upgrade)
           (1) Polished
           (2) Brushed
              #4 brushed
              #7 brushed
        d. Custom painted (optional upgrade)
        e. Powder coated (optional upgrade)
   2. Aluminum track shall be clear anodized
      a. Optional upgrade:
         (1) custom anodized
         (2) custom powder coated
   E. Available Accessories/Options
     1. Pivot panel closure
        a. Low profile handle (standard)
        b. Vertical tube handle with push/pull handle one or both sides(optional)
        c. Vertical tube handle with optional tube push bar, one side
   2. Locks
      a. Thumb turn floor lock
      b. Keyed floor lock
   3. Glass etching
      a. Fully etched and sealed
      b. Custom patterns
   4. Pass door, full height, ADA compliant pass door, of same finish and
      construction as basic panels. Includes low profile handle, plunger latch
      to hold door closed, and a magnetic hold open to secure door while the
      panel is being moved.

2.03 OPERATION
A. Panels shall be manually moved from the storage area, positioned in the
   opening, and footbolts set.
B. Final partition closure to be by (select one):
   1. Pivot panel
   2. Overlapping the opening
   3. End at wall
C. Stack/Store Panels
   1. Retract footbolts, and move to storage area. Panels are stored on stacks
      in storage area(s).

PART 3 - EXECUTION

A. Installation. The complete installation of the glass wall 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. Optional specialty glass requires special cleaning per instructions
      provided.
C. 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. Owners manuals shall be provided to owner’s representative.
Type 26 aluminum track is shown and is standard for panels weighing up to 500 lbs. [227 kg].

Optional Type 36 Aluminum Track
Use for panels exceeding 1000 lbs. [454 kg]. Shown with optional suspension bracket for 5-1/4" [133] spacing. Bracket also available for use with Type 26 track.

Footbolt engages in floor receptacle to ensure panel-to-panel alignment and stability.

Important note: there is a 1/4-1/2" [6-12] gap between panel joints to prevent glass from touching during panel setup. Size of gap varies due to glass tolerances.
Omni-Directional Stack Options
The Type 1 stack shown below is the most often used for simple omni-directional layouts. Types 2 & 3 are additional common stack configurations. Stacks are not limited to these configurations and may be built to fit each job requirement. Consult your Hufcor representative for design assistance.

Wall to wall opening with pivot panel closure - H Stack

Type 1

Type 2

Type 3

CAUTION
Body space is needed to access the panels and move them into position. Be certain to consult your Hufcor representative before constructing walls in pocket/stack areas. This is important for all configurations.
Individual, Omni-Directional Operable Glass Partitions

Stack Dimensions
Stack depth and width dimensions are based on a flat stack. Angled stacks require additional space. Contact your Hufcor Distributor for angled stack requirements.

Pivot Panel Closure

Stack Depth:
2" [51] per panel + 3-5/16" [84] using 26 track.
2-1/2" [64] per panel + 2-9/16" [65] using Type 36 track.

Stack Width:
Panel width + 4" [101] finger clearance

Pivot Panel Closure with Push Bar

Stack Depth:
2" [51] per panel + 2-1/2" [64] using Type 26 & Type 36 track.
Add 7" [178] for tube style handle

Stack Width:
Panel width + 4" [101] finger clearance

Wall to wall opening without pivot panel

Stack Depth:
2" [51] per panel + 1-1/2" [64] using Type 26 & Type 36 track.
Add 7" [178] for tube style handle.

Stack Width:
Panel width + 4" [101] finger clearance

Important note: there is a 1/4-1/2" [6-12] gap between panel joints to prevent glass from touching during panel setup. Size of gap varies due to glass tolerances.

CAUTION
Body space is needed to access the panels and move them into position. Be certain to consult your Hufcor representative before constructing walls in pocket/stack areas. This is important for all configurations.
The manufacturer reserves the right to improve and change product without notice.

Important note: there is a 1/4-1/2” [6-12] gap between panel joints to prevent glass from touching during panel setup. Size of gap varies due to glass tolerances.

1. Standard thumb turn or optional keyed lock.
2. Footbolt
3. Low profile Pass Door Push/Pull handle supplied with every Pass Door.
4. 360 degree hinge.
5. Pivot block

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
Internet address: http://www.hufcor.com

Select Hufcor products are also manufactured in the U.S. at:
Hufcor/Airwall, Inc., 8739 E. Artesia Blvd., Bellflower, CA 90707
1-562-634-3116 FAX 1-562-630-8203

Figures in brackets [ ] are in millimeters unless otherwise noted