**GF SERIES OPERABLE GLASSWALL SPECIFICATIONS**

**SUMMARIZED SPECS**

The product shall be **HUFCOR GF Series** Glass wall manufactured by HUFCOR Inc. or her subsidiaries. Panels shall be of nominal 41 thick with profile framing in clear anodized architectural grade 6063-T6 aluminum alloy that are factory applied with 12 mm thick clear tempered glass on each side to achieve an **STC of 33/37/39 dB**. The panel to panel vertical frames are sealed off with a tongue with two vinyl gaskets to nest into the vertical recess in the edge of the adjoining panel, creating a positive, interlocking joint for panel stability, ease of panel alignment and acoustic seal. **All panels, including the doors and closure jamb panel shall have an optimum clear glass view**. The top and bottom horizontal rails has 25mm operating clearance to accommodate normal floor gradient.

**FULL SPECIFICATIONS**

1.01 ACCEPTABLE MANUFACTURERS

1. Upon compliance with all of the criteria specified in this section, Manufacturers wishing to bid products equal 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 performance items specified and as detailed on the drawings.

1.02 PRODUCT CONSTRUCTION DETAILS

1. The product shall be HUFCOR HF Glass Series manufactured by either HUFCOR INC and/or subsidiaries
2. PANEL CONSTRUCTION
	1. Panels shall be nominally 41mm thick, up to 1219 mm wide and up to 3.0 m tall with full perimeter extruded aluminum 6063-T6 frame that are mechanically fastened corner construction.
	2. Vertical rail width is a nominal 44mm
	3. Glazing seals and gaskets shall be included, providing frame and glass separation with acoustic seal.
	4. Each panel shall have a nominal 25mm clearance from both top and bottom horizontal rail.
	5. The leading vertical edge of each panel shall incorporate a tongue with two vinyl gaskets to nest into the vertical recess in the edge of the adjoining panel, creating a positive, interlocking joint for panel stability, ease of panel alignment and acoustic seal.
	6. Top and bottom horizontal seals shall be continuous contact, multi-layer, vinyl sweep seals.
	7. The top seals maintain contact with the track and the bottom seals maintain contact with the floor or other surface along the path of the movable wall.
	8. The bottom rail height is a nominal 100 mm.
	9. Partition end condition on either lead end or trail end of movable wall shall be:
3. Full height Pivot panel of the same thickness and construction as the basic panels

b. A Lever Closure panel which incorporates a standard panel with a telescoping, lever actuated assembly to compress a bulb seal against wall with 25 kg force.

c. A full height bulb seal to compress against wall

d. A bulb seal or bullnose seal to compress into a two-piece extruded aluminum wall jamb that will compensate for an out-of-plumb condition

* 1. The glass faces shall be factory installed with a single pane 12mm tempered glass to meet the STC as in 1.04 Acoustical Performance.
	2. Optional substrate in a form of clear or decorative laminated finishes can be applied. Consult your HUFCOR’s authorized distributor for more information.
	3. Optional Privacy Glass can be factory applied. Consult your HUFCOR’s authorized distributors for more information.
	4. Panels may contain a floor pin which is extended into a floor mounted receiver to stabilize and secure the panel in the opening. Floor pin travel distance will be a nominal 38mm
1. A Pivot Panel contains an optional face activated floor pin
2. The strike panel adjacent to a Pivot Panel or a Pass Door will contain an activated floor pin mounted into the panel edge
3. A panel which terminates at the wall with either a bulb seal or a seal into a wall jamb will contain a waist-high activated floor pin mounted into the panel edge.
4. SUSPENSION SYSTEM
5. Track shall be of clear anodized architectural grade extruded aluminum alloy 6063-T6 (no steel track will be allowed or accepted).
6. Track design shall provide integral support for adjoining ceiling, soffit, or plenum sound barrier.
7. Panels are completely top-supported. Floor tracks are not acceptable nor permitted
8. The panels are top hung with: (select as required)
9. Omni direction design, Each panel shall be supported by two 2-wheeled ‘counter-rotating” horizontal carriers.
10. Paired-design; Each panel shall be supported by center hung “one 4-wheeled carrier”
11. Wheels to be of precision ground steel ball bearings with heat treated and hardened races encased with molded polymer tires (DELRIN) that are capable to negotiate square or angled corners smoothly without switches.

2.03 OPERATION

1. Panels shall be manually moved from the storage area, positioned in the opening, and either edge activated or face activated floor pins set.
2. Final partition closure to be by lever closure panel with expanding jamb which compensates for minor wall irregularities and provides a minimum of 110 kg seal force against the adjacent wall for optimum sound control.

2.04 ACOUSTICAL PERFORMANCE

1. Acoustical performance shall be tested at a laboratory accredited by the National Voluntary Laboratory Accreditation Program (NVLAP) and in accordance with ASTM E90 Test Standards.
2. The partition tested must be fully functional, and meet
3. Standard panel construction shall have obtained an STC rating of 33/37/39 dB
4. Complete, unaltered written test report is to be made available upon request.

Predictive test report is to be made available upon request for alternative construction design