**Vision 121 Individual Panels**

**Part 1 - General**

1.01 DESCRIPTION

 A. General

 1. Furnish and install operable partitions and suspension system. Provide all labor, materials, tools, equipment, and services for 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, track enclosures, surrounding insulation, and sound baffles as required in 1.04 Quality Assurance.

 C. Pre-punching of support structure in accordance with approved shop drawings.

 D. Paint or otherwise finishing all trim and other materials adjoining head and jamb of operable 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. Glass shall be clear tempered per ASTM C1048-04 Standard Specification for Heat-Treated Flat Glass—Kind HS, Kind FT Coated and Uncoated Glass.

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

 A. Horizontal rail shall be guaranteed for a period of two years with track and carriers guaranteed for a period of five years. This guarantee is against defects in material or workmanship of manufacturer’s product. The glass is not included in this warranty.

**Part 2 - Products**

2.01 MANUFACTURERS

 A. Manufacturers: Subject to compliance with requirements, provide products by the following:

 1. Moderco Inc.

2.02 MATERIALS

 A. Product to be top supported Vision 121 individual glass panels as manufactured by Moderco Inc.

 1. Panels shall be nominally 1 ⅜” [35mm] thick, in manufacturer’s standard widths up to 48” [1220mm].

 2. Panel faces shall be ½” [12mm] thick tempered glass.

 a. Glass panes shall be supported by friction. *or*

 *Optional upgrade:*

 a. Glass panes shall be supported by steel dowel pins.

 3. All tempered glass edges shall be polished.

 4. Top and bottom horizontal rail shall be aluminum and incorporate brush light seals.

 5. Glass faces shall have no vertical trim. (Important note: there is a ¼ - ½” [6-12mm] 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 foot bolt 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 7.5 lbs./sq. ft. [36.6 kg/sq.m] for ½” [12mm] glass.

 C. Suspension system:

 1. Track shall be clear anodized tempered aluminum with integrated soffit of clear anodized aluminum providing a transition to the ceiling. Track shall include hanger rods, spaced to manufacturer’s standards.

 a. Each panel shall be supported by two dual horizontal wheel trolley assemblies made of glass-reinforced, self-lubricating nylon with steel precision ground bearings. Carrier design shall use a counter rotating concept to move panels along the track and through 90 degree “L”, “T”, & “X” intersections. Carriers using friction discs shall not be permitted.

 D. Finishes:

 1. Tempered glass finish shall be *(select one)*:

 a. Clear (standard). *or*

 *Optional upgrade:*

 - Tinted (select color). *or*

 - Colored (select color). *or*

 - Etched. *or*

 - Acid etched. *or*

 - Sandblasted. *or*

 - Acrylic. *or*

 - Custom glass.

 2. Horizontal rail color shall be *(select as required)*:

 a. Clear Anodized Aluminum (standard). *or*

 *Optional upgrade:*

 - Dark Bronze Painted. *or*

 - Custom Color Painted. *or*

 - Custom Anodized.

 3. Aluminum track shall be *(select as required)*:

 a. Clear anodized (Standard). *or*

 *Optional upgrade:*

 - Custom Anodized. *or*

 - Custom Color Painted.

 E. Accessories/Options *(select as required)*:

 1. Closure system shall be *(select as required)*:

 a. Pivot door. *or*

 b. Pivot door with keyed lock one side and thumb turn one side. *or*

 c. 12” [305mm] pivot closure panel. *or*

 d. 12” [305mm] flap closure panel.

 2. Floor locks shall be *(select as required):*

a. Floor bolt lock, one side. *or*

 b. Deadbolt lock with thumb turn, one side. *or*

 c. Deadbolt lock with keyed cylinder and thumb turn. *or*

 d. Deadbolt lock with keyed cylinder, one side. *or*

 e. Deadbolt lock with keyed cylinders, both side.

2.03 OPERATION

 A. Panels shall be manually operated, top supported, moved individually from the storage area, positioned in the opening, and floor bolts set.

**Part 3 - Execution**

 A. Installation.

 1. 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.

 3. Packing and other installation debris shall be removed from the job site.

 C. Training

 1. Installer shall demonstrate proper operation and maintenance procedures to owner’s representative.

 2. Owner’s manuals shall be provided to owner’s representative.