

PART 1 GENERAL

1.1 RELATED DOCUMENTS

- .1 Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.

1.2 SUMMARY

- .1 This Section includes the following:
 - .1 Manually operated, individual acoustic panel partitions.
- .2 Related Sections include the following:
 - .1 Section 09 30 13 Ceramic Tiling for concrete tolerances.
 - .2 Section 06 10 00 Rough Carpentry for wood framing and supports and all supports at head and jambs as required.

1.3 QUALITY ASSURANCE

- .1 Installer Qualifications: An experienced installer who is certified in writing by the glass operable partition manufacturer, as qualified to install the manufacturer's partition systems for work similar in material, design, and extent to that indicated for this Project.
- .2 Preparation of the opening shall conform to the criteria set forth per ASTM E557 "Standard Practice for Architectural Application and Installation of Operable Partitions."

1.4 SUBMITTALS

- .1 Product Data: Material descriptions, construction details, finishes, installation details, and operating instructions for each type of operable glass panel partition, component, and accessory specified.
- .2 Shop Drawings: Show location and extent of operable panel partitions. Include plans, elevations, sections, details, attachments to other construction, and accessories. Indicate dimensions, weights, conditions at openings and at storage areas, and required installation, storage, and operating clearances. Indicate location and installation requirements for hardware and track including floor tolerances required and direction of travel. Indicate blocking to be provided by others.
- .3 Setting Drawings: Show imbedded items and cut-outs required in other work, including support beam punching template.
- .4 Samples: Color samples demonstrating full range of finishes available for selection by architect. Verification samples will be available in same thickness and material indicated for the work.

1.5 DELIVERY, STORAGE, AND HANDLING

- .1 Clearly mark packages and panels with numbering systems used on Shop Drawings. Do not use permanent markings on panels.
- .2 Protect panel materials during delivery, storage, and handling to comply with manufacturer's direction and as required to prevent damage.

1.6 WARRANTY

- .1 Provide written 2 year warranty by manufacturer of operable partitions agreeing to repair or replace any components with manufacturing defects.

PART 2 PRODUCTS

2.1 OPERABLE WALL SYSTEM

- .1 Manually operated, paired panel operable partition system complete with overhead track assembly.
 - .1 Opening size: 2134mm high X width of room.
 - .2 Operation: Paired panels hinged in pairs, manually operated, top supported, with operable floor seals.
 - .1 Final Closure: Horizontally expanding panel edge with removable crank.
 - .3 Panel Construction: Nominal 76mm thick panels in widths to suit room width. All panel horizontal and vertical framing members fabricated from minimum 18 gauge or 16 gauge formed steel with overlapped and welded corners for rigidity. Top channel is reinforced to support suspension system components. Frame is designed so that full vertical edges of the panels are of formed steel and provide concealed protection of the edges of the panel skin.
 - .4 Panel Skin: Roll formed steel wrapping around the panel edge. Panel skins shall be lock formed and welded directly to the frame for unitized construction.
 - .1 Acoustical rating of panels with this construction shall be 50 STC.
 - .2 Panel finish shall be full height white enamel on steel magnetic marker board surface.
 - .5 Hinges for closure panels: Shall be invisible laminated hinge with antifriction segments mounted between each heat treated link. Hinge to be attached directly to each panel frame. Welded internal hinge bracket shall support the hinge and allow for adjustment of hinge plates. Concealed hinges mounted into the edge or vertical astragal are not acceptable.
 - .6 Panel Trim: No vertical trim required or allowed on edges of panels, minimal groove appearance at panel joints.
 - .7 Panel weights: 8 lbs/square foot.
 - .8 Vertical Sound Seals: roll formed steel astragals with reversible tongue and groove configuration in each panel edge for universal panel operation. Rigid plastic or aluminum astragals in only one panel edge are not acceptable.
 - .9 Horizontal Top Seals: Continuous contact extruded vinyl bulb shape with pairs of non-contacting vinyl fingers to prevent distortion without the need for mechanically operated parts.
 - .10 Horizontal Bottom Seals: Automatic operable seal providing nominal 51mm operating clearance with an operating range of +/-13mm to 38mm, which automatically drop as panels are positioned, without the need for tools or cranks.
- .2 Suspension System: Minimum 3mm wall thickness roll formed steel track suitable for direct mounting to a wood beam. Aluminum track is not acceptable.
 - .1 Exposed track soffit: Steel, integral to track, and factory painted off-white.
 - .2 Carriers: One all-steel trolley with steel-tired ball bearing wheels per panel (except hinged panels). Non-steel tires are not acceptable.

PART 3 EXECUTION

3.1 INSTALLATION

- .1 General: Comply with ASTM E557, operable partition manufacturer's written installation instructions, Drawings, and approved Shop Drawings.
- .2 Install operable partitions and accessories after other finishing operations, including painting, have been completed.
- .3 Match operable partitions by installing panels from marked packages in numbered sequence indicated on Shop Drawings.
- .4 Broken, cracked, chipped, scratched, deformed, or unmatched panels are not acceptable.

3.2 CLEANING AND PROTECTION

- .1 Clean partition surfaces upon completing installation of operable glass partitions to remove dust, loose fibers, fingerprints, adhesives, and other foreign materials according to manufacturer's written instructions.
- .2 Provide final protection and maintain conditions in a manner acceptable to manufacturer and Installer that insure operable partitions are without damage or deterioration at time of Substantial Completion.

3.3 ADJUSTING

- .1 Adjust operable partition to operate smoothly, easily, and quietly, free from binding, warp, excessive deflection, distortion, nonalignment, misplacement, disruption, or malfunction, throughout entire operational range. Lubricate hardware and other moving parts.

3.4 EXAMINATION

- .1 Examine flooring, structural support, and opening, with Installer present, for compliance with requirements for installation tolerances and other conditions affecting performance of operable glass partitions. Proceed with installation only after unsatisfactory conditions have been corrected.

3.5 DEMONSTRATION

- .1 Demonstrate proper operation and maintenance procedures to Owner's representative.
- .2 Provide Operation and Maintenance Manual to Owner's representatives.

END OF SECTION