

PRODUCT SPECIFICATIONS





SECTION 10 21 13
GLASS BOX TOILET COMPARTMENTS

glassBOX>F-Type

glassBOX>T-Type

CARVART® by Soema Handcrafted Technology® GLASS BOX (Rev. 1/9/16) 10 21 13 - 1

GENERAL

SUMMARY

Work includes toilet compartment partitions, urinal screens, benches in women's restroom and unisex restroom and vanities in all restrooms.

Cubicle/Partition System: Frameless with glass panels.

Type: Overhead braced and floor supported. Patented self closing hardware.

Screens: Frameless glass panels.

Type: Bracket mounted.

REFERENCES

Federal Government Publications:

CARVART® by Soema Handcrafted Technology® GLASS BOX (Rev. 1/9/16) 10 21 13 - 2 U.S. Architectural & Transportation Barriers Compliance Board. Americans with Disabilities Act (ADA), Accessibility Guidelines for Buildings and Facilities (ADAAG), Washington, DC: GPO, 1991.

U.S. Architectural & Transportation Barriers Compliance Board. Americans with Disabilities Act (ADA), Accessibility Guidelines for Buildings and Facilities (ADAAG), Washington, DC: GPO, 1991.

Federal Specification. FS RR-P-1352C: Partitions, Toilets, Complete, Washington, DC: GSA, 1989.

SUBMITTALS

Manufacturer's Product Data: Provide product data for cubicles and screens indicated. Include material descriptions, color charts, hardware information, construction and anchoring details, component fabrication, and installation requirements.

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.



Indicate locations of required reinforcement and cutouts for partition-mounted toilet accessories.

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Samples: Submit 4" of glass in material and thickness specified for each color and finish indicated.

Mock-Up: Submit a mock-up of partitions. Include panel type specified, adjustable support legs, overhead stabilizing rail, divider panel connections, hardware, and wall angles.

Maintenance Kit: Provide manufacturer's standard maintenance kit, including special tools for adjusting hardware.

Quantity: One.

QUALITY ASSURANCE

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.

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.

DELIVERY, STORAGE, AND HANDLING

Deliver materials to Project site in undamaged condition.

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.

PROJECT CONDITIONS

Field Measurements: Verify dimensions in areas of installation by field measurements before fabrication and indicate measurements on Shop Drawings. Coordinate fabrication schedule with construction progress to avoid delaying the Work.

WARRANTY

Cubicle System and Screen Warranty: Submit a written limited warranty executed by the manufacturer stating that the cubicle systems and screens 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.

Warranty Period: 2 years from date of Substantial Completion.

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PRODUCTS

PARTITION SYSTEM AND SCREENS

Basis of Design - Product and Manufacturer: GLASS BOX, CARVART® by Soema Handcrafted Technology®

MANUFACTURERS

Acceptable Manufacturer: CARVART: 180 Varick St. Suite 1304, New York, NY 10014

Email: info@carvart.com Website: www.carvart.com Phone: 212-675-0030 Fax: 212-675-8175.

Substitutions: Not permitted.

Requests for substitutions will be considered in accordance with provisions of Section 01600.

MATERIALS

Glass 3/8" Low-Iron tempered laminated glass, PVB interlayer opaque with color, color TBD, 3/16" low iron tempered glass/ 3/16" low iron tempered glass.

Material Thickness: 3/8" nominal.

Color and Pattern: To be selected by the Architect from manufacturer's standard selections.

Wall Brackets: Manufacturers standard design for attaching panels and screens to walls and pilasters.

Finish: Clear-anodized, aluminum alloy T60 / 60

Hardware: Manufacturer's standard design, heavy-duty operating hardware.

Top: Doors secured with an automatic Oleo speed adjusting and self-closing shock-absorbing mechanism fitted with an internal 90° door blocking device.

Bottom: Doors secured by a rotating and adjustable pedestal on the floor.

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Return Angle: Provide return angle connecting the hinge to both the front pilaster panels and divider panels. Angles shall be adhesive attached and thru-bolted with external rosette.

Door Latch: Ergonomically designed lock with stainless steel mechanism and internal securing lever fit the doors. Lock is completed with free/engaged indication device that can be opened from the outside using a coin or a screwdriver in an emergency.

Feet of the partitions (Box/Cubicles) are rotating and adjustable to secure floor height differences and stability. Feet height: 2 3/8" high

The Partitions are secured together by a top continuous round profile of anodized aluminum alloy T60 / 60, where the self-closing mechanism is secured.

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Door Stop: The vertical panel is fitted with a full height profile submitted internally with a seal rubber to regulate the door stopping and prevent friction, for complete privacy

Fasteners: Stainless steel; concealed.

Fittings: Aluminum, clear anodized finish, and nylon.

Overhead Stabilizing Rail: Extruded aluminum connected to divider panels, integral door stop, and divider panels.

Finish: Bead Blasted, anodized.

Floor Support Legs: Extruded aluminum. Adjustable height with friction fit aluminum clamp attached to bottom edge of panels.

Finish: Bead Blasted, anodized.

Fasteners and Anchors: Stainless steel anchors with nylon grommets and aluminum fasteners with theft-resistant-type heads. Provide bolt type for through-bolt applications with external aluminum rosette.

ALUMINUM FINISH

Anodic Finish: Etched, medium matte, clear coating, 0.025 mm nominal thickness, [aluminum alloy T60 / 60](#)

FABRICATION

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General: Fabricate doors, panels, pilasters, and screens for cubicle panel system. Fabricate panels with drilled holes for locks, accessories, and grab bars, as indicated.

Overhead-Braced-and-Floor-Supported Cubicle System: Provide manufacturer's standard supports and leveling mechanism cubicle panels to suit floor conditions. Install stabilizing rail and brackets to top of cubicle panels.

Wall-Hung Screens: Provide units in sizes indicated of same construction and finish as cubicle panels. Provide screens with angle brackets and through-bolt fastening.

Doors: Provide swinging doors for cubicles. Provide units with clear door opening dimensions required for cubicles indicated to be handicapped accessible.

- Patented self-closing top patch. Adjustable speed. Hold open at 90 degrees for easy of maintenance and cleaning. Doors have a full swing possibility.
- Top: Doors secured with an automatic Oleo speed adjusting and self-closing shock-absorbing mechanism fitted with an internal 90° door blocking device.
- Bottom: Doors secured by a rotating and adjustable pedestal on the floor.

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Outward opening doors at accessible compartments shall be provided with a handle on the compartment side of the door.

EXECUTION

INSTALLATION

General: Install cubicle system and screens in accordance with manufacturer's written installation instructions. Install cubicle systems rigid, straight, plumb, and level. Secure units in position with manufacturer's recommended anchoring devices.

Locate wall bracket mounting hardware for mounting holes to occur in masonry or tile joints. Align brackets at pilasters with brackets at walls.

Overhead-Braced-and-Floor-Supported Cubicles: Set floor support legs level and plumb. Secure stabilizing rail to each pilaster. Hang doors and adjust so tops of doors are parallel with overhead rail when doors are in closed position.

Screens: Attach with anchoring devices according to manufacturer's written instructions and to suit supporting structure. Set units level and plumb and to resist lateral impact.

No sight lines into toilet compartments are permitted on the hinge and lock side of each door. Provide clearance of not more than one-quarter inch (1/4") between stiles and panels and three-eighths inch (3/8") between panels and walls.



ADJUSTING AND CLEANING

Hardware: Adjust hardware in accordance with manufacturer's instructions.

Cleaning: Clean cubicle components in accordance with manufacturer's instructions and recommendations.