SECTION 10168

SOLID PHENOLIC CORE TOILET PARTITION
PART 1 – GENERAL

1.1 Section Includes
A. Overhead braced, floor mounted solid phenolic core partitions.
B. Solid phenolic core privacy and urinal screens.
C. Hardware and fittings.

1.2 Related Section
A. Section 10800 – Toilet and Bath Accessories.
B. Section 01330 – Submittal Procedures.
C. Section 01600 – Product Requirements.
D. Section 01700 – Execution Requirements.

1.3 References
A. ADA Accessibility Guidelines for Buildings and Facilities.
B. ASTM A666-Standard Specification for Austenitic Stainless Steel Sheet, Strip, Plate and Flat Bar.
C. NEMA LD 3 – High Pressure Decorative Laminates.
E. ASTM E-84-91a Surface Burning Characteristics of Building Materials.

1.4 Submittals
A. Provide submittals in accordance with Conditions of the Contract and Section 01330-Submittal Procedures.
B. Shop Drawings – Submit shop drawings indicating elevations of partitions, thickness of solid phenolic material, fastening, proposed method of anchoring, size and spacing of anchors, details of construction, hardware, fittings, mountings and other related items and installation details.
C. Product Data – submit manufacturer’s technical data for materials, fabrication, finishing, fastenings, hardware and installation details.
D. Samples – Submit samples of color and pattern selected for verification.
E. Manufacturer’s Installation Instruction: Provide details of hardware locations and drilling dimensions.

1.5 Quality Assurance
A. Obtain all components of toilet partitions from one single source manufacturer who certifies that the materials meet or exceed specifications.
B. Installer Qualifications: Installer shall have a history of completed jobs of similar size and scope, and shall be qualified.

1.6 Delivery, Storage and Handling
A. Generally comply with provisions of Section 01600-Product Requirements.
B. Deliver pre-finished materials to the project site in original, unopened cartons or other packaging materials necessary to protect structure and finishes.
   1) Label packages clearly with manufacturer’s name and item description.
   2) Store materials in such packaging until installation.
3) Store partitions components indoor in a vertical position with adequate support to ensure flatness and to prevent damage to pre-finished surfaces.

1.7 Warranty
   A. Provide manufacturer’s 5 year warranty against delamination of panels.
   B. Provide manufacturer’s lifetime warranty for all stainless steel hardware.

PART 2 – PRODUCTS

2.1 Approved Manufacturer
   A. Mohammed Saad Aldrees & Sons Co., Ltd.
      P.O. Box 15273
      Riyadh 11444
      Kingdom of Saudi Arabia

2.2 Materials
   A. Solid Phenolic: Made of multiple layers of phenolic resin impregnated kraft papers compressed under heat and pressure, the phenolic component is decoratively faced as an integral part of the core.

2.3 Components
   A. Doors – General: Shall be 13mm thick constructed of solid phenolic core with a high pressure decorative matte surface finish as an integral part of the core material.
      1) Door edges shall be black machined and finished smooth with a 15 degree edge.
      2) Door edges shall be rebated (12mm from lock edge – 3mm from hinge edge) to provide maximum privacy.
      3) Door under cut must not exceed 100mm from finished floor level.
   B. Panels – General: Shall be 13mm thick constructed of solid phenolic core with a high pressure decorative matte surface finish as an integral part of the core material.
      1) Panel edges shall be black machined and finished smooth with a 15 degree edge.
   C. Pilaster - General: shall be 13mm thick constructed of solid phenolic core with a high pressure decorative matte surface finish as an integral part of the core material.
      1) Pilaster edges shall be rebated (12mm from lock edge – 3mm from hinge edge) to provide maximum privacy.
      2) Pilaster edges shall be black machined and finished smooth with a 15 degree edge.
      3) Pilaster under cut must not exceed 100mm from finished floor level.
   D. Hardware: Components shall be provided with all hardware and fastenings to provide a completed installation.
PART 3 – EXECUTION

3.1 Examination
A. Before installation, examine the site to insure that no defects or conditions exist which would result in an unsatisfactory installation of the components.
B. Take field measurements at this time to ensure correct installation.

3.2 Installation
A. Install partitions in accordance with shop drawings and manufacturer’s current installation instructions.
B. Leave partitions complete, clean and free from defects in workmanship.
C. Thoroughly adjust and lubricate doors and hardware for proper working condition. Set doors in open or close condition as indicated on drawings.

3.3 Adjusting
A. Section 01700 – Execution Requirements: Testing, adjusting, and balancing.
B. Adjust and align hardware to uniform clearance at vertical edge of doors.
C. Adjust hinges to position doors in fully closed position when unlatched.
D. Adjust adjacent components for consistency of line or plane.

3.4 Cleaning
A. Remove all rubbish generated by installer and leave the area broom clean.

END OF SECTION