SECTION 12 35 53.26
STAINLESS STEEL TABLES

PART 1 - GENERAL

1.1 SUMMARY:

A. This Section includes the following:

1. Stainless steel tables consisting of leg frames and work surfaces.

1.2 PERFORMANCE REQUIREMENTS:

A. All components must be constructed with cleanable smooth surfaces with all corners, edges ground smooth.

1.4 SUBMITTALS:

A. Shop Drawings:

1. Plans and elevations of stainless steel tables.
2. Sections and details of table construction.

B. Samples:

1. Stainless steel countertop.

C. Maintenance Data:

1. Provide recommended procedures cleaning and maintenance.

1.5 DELIVERY, STORAGE AND HANDLING:

A. Deliver casework only after floor finishes installations are complete. Protect casework from damage during installation of building mechanical and electrical fixtures.

B. Protect finished surfaces from soiling and damage during handling and installation.

1.9 APPLICABLE PUBLICATIONS:

A. Publications listed below form a part of this specification to extent referenced. Publications are referenced in text by basic designation only.

B. American Society for Testing and Materials (ASTM):

ASTM A 240.....Standard Specification for Chromium and Chromium-Nickel Stainless Steel Plate, Sheet, and Strip for Pressure Vessels and for General Applications

ASTM A 276.....Standard Specification for Stainless Steel Bars and Shapes.

C. American Welding Society (AWS):

AWS D1.6/D1.6M.....Structural Welding Code – Stainless Steel.

PART 2 - PRODUCTS

2.1 MATERIALS:

A. Stainless steel plate, strip and sheet: to ASTMA240/A240M-00, Type 304, with #4 polished finish, all components.

B. Stainless steel bars, angles and shapes: to ASTM A276, Type 304, with #4 polished finish, all components.

C. Rod anchors, nuts and washers: Type 304 stainless steel.

2.2 FABRICATION:

A. Fabricate units in lengths indicated.

B. Construct units with cleanable smooth surfaces all corners, edges to ground smooth.

C. Fabricate components with no concealed spaces.

D. Align end panels, top rails, bottoms and vertical members, at intersections in same plane, without overlap.

E. Provide minimum 14 gage thick metal for tapping strips, gussets.

F. Use minimum 16 gage thick metal for top rails, frame and base.

2.3 COUNTERTOP FABRICATION:

A. Fabricate laboratory countertops and backsplashes as indicated.

B. Stainless Steel Countertops

1. Form countertops and work surfaces from minimum 16 gage thick stainless steel sheet. Passivate stainless steel surfaces.
2. Countertop: capable of withstanding 200 lb point load.
3. Welding: AWS D1.6/D1.6M, ground and polished to original finish.

2.4 LEG FRAMES:

A. Material: Stainless steel sheet and shapes.

B. The leg frame assembly system is to provide independent rigid support for all countertops.

C. Leg frame members shall be stainless steel angle shape with stainless steel angle shape rails and supports at top.

D. Each leg frame shall have foot levelers consisting of stainless 1/4 inch steel threaded studs, nuts, washers and 1 inch diameter shoes with nylon pad.

E. Leg frame components shall be precisely cut and welded. Grind all welds smooth and polish. Fabricate with no concealed spaces.

PART 3 - EXECUTION

3.1 INSTALLATION:

A. Install items in accordance with manufacturer's instructions.

B. Set casework items plumb, square and true.

3.2 CLEANING:

A. Wipe down surfaces to remove fingerprints and markings and leave in clean condition.

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