Bench Specifications

DD Style - Straight Leg Permanent without Back

SECTION 13125

STRAIGHT LEG PERMANENT WITHOUT BACK

PART 1 - GENERAL

1.01 SECTION INCLUDES

A. Design and fabrication of all aluminum benches

1.02 QUALITY ASSURANCE

A. Distributor: BuiltRiteBleachers.com
5077 Northampton Drive, Fort Myers, FL 33919

B. Manufacturer Qualifications: Manufacturer must have a minimum of ten years experience in the design and manufacture of benches.

C. Welders must conform to AWS standards.

D. Source Quality Control: Mill Test Certification.

1.03 WARRANTY

A. Warranty shall guarantee benches to be free from defect in materials and workmanship for a period of 1 year under normal use. Warranty period shall begin on date of completion for projects installed by manufacturer, or its subcontractors, **OR** warranty period shall begin on date of final delivery on projects installed by others.

B. Anodized finish of plank extrusions shall be covered by a **5 year** warranty against loss of structural strength or finish deterioration due to exposure to weather conditions or UV rays. Discoloration of mill finish aluminum due to galvanic reaction not covered.

PART 2 – PRODUCTS

2.01 ACCEPTABLE DISTRIBUTOR

A. BuiltRiteBleachers.com

2.02 DESIGN

A. Design Loads:
1. Live Loads: Uniform loading - Structure = 100 psf
Uniform loading - Seat = 120 plf
2. Sway Loads: Perpendicular to seats = 10 plf
Parallel to seats = 24 plf

2.03 ALUMINUM FRAME BENCHES

A. Quantity and Size: Shall consist of 1 unit(s) 12 long.

B. Framework: Prefabricated 2" square aluminum tube spaced at 6' - 0" intervals with seat supports of 2" x 2" x 3/16" aluminum angle and a 1-1/2" x 1-1/2" x 3/16" horizontal angle between each pair of legs. No mechanical fastening of seat supports, legs or footpad supports be permitted.

C. Shop Connections: Welded to meet AWS standards.

D. Seats: Nominal 2” x 10” anodized aluminum with anodized end caps.

2.04 MATERIALS / FINISHES

A. Framework:
1. Aluminum: Structural fabrication with aluminum alloy 6061-T6 mill finish. Each frame shall be unit-welded, using gas metal arc welding (GMAW) according to AWS specifications (D1.1). After fabrication all steel is hot dipped galvanized to ASTM A-123 specifications.

B. Extruded Aluminum:
1. Seat planks: Aluminum alloy 6063-T6, clear anodized 204R1, AA-M10C22A31, Class II with a wall thickness nominally .078" for impact and deformation resistance.

C. Accessories:

1. Channel End Caps: Aluminum alloy 6063-T6, clear anodized 204R1,AA-M10C22A31,Class II.
2. Hardware: Bolts and Nuts shall be hot dipped galvanized.
3. Hold Down Clip Assembly: Aluminum alloy 6063-T6 mill finish.

PART 3 – EXECUTION

3.01 INSTALLATION

A. Install bench unit(s) in accordance with manufacturer written instructions and shop drawings.

Note: Building codes may vary from site to site. The customer is responsible for verification of local code requirements.