SECTION 13125

LOCKER ROOM BENCH WITHOUT BACK

PART 1 - GENERAL

1.01 SECTION INCLUDES
   A. Design and fabrication of all aluminum benches

1.02 QUALITY ASSURANCE
   A. Manufacturer: National Recreation Systems, Inc.
      P.O. Box 11487 Fort Wayne, In 46858-1487
   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 MANUFACTURER
   A. National Recreation Systems, Inc.

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 2-1/4" x 3/4" aluminum extrusion 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.

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.