

TILT AND ROLL BLEACHER

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Design and fabrication of Tilt and Roll bleachers.

1.02 SUBMITTALS

- A. Shop Drawings: Submit shop drawings indicating location, size, details, and quantity of all aluminum components.

1.03 QUALITY ASSURANCE

- A. Codes and Standards: Design and fabrication shall be in accordance with local building code.
- B. Manufacturer Qualifications: Minimum 10 years experience in the design and manufacture of bleachers.
- C. Manufacturer Installed Qualifications: Employ persons trained and experienced in the installation of bleachers.

1.04 WARRANTY

- A. Warranty bleachers to be satisfactory as to design, workmanship, and materials for 1 year beginning after completion of project. This warranty excludes any results of abnormal use in service, intentional damage, or accidental damage or other occurrence beyond the control of Sturdisteel.

PART 2 PRODUCTS

2.01 MANUFACTURER

- A. Sturdisteel Company - A Division of Schultz Industries Inc., Waco, Texas.

2.02 TILT AND ROLL BLEACHERS

- A. Size: 3 row x 7'-6", 15'-0" or 21'-0", Non-Elevated.
- B. Design: Design shall be in accordance with Specifications for Aluminum Structures, AA-94-Aluminum Design Manual.

- C. Design Loads:
 1. Live Load: 100 pounds per square foot (psf) gross horizontal projection.
 2. Perpendicular Sway Load: 10 pounds per linear foot (plf) of seat plank.
 3. Lateral Sway Load: 24 plf of seat plank.
 4. Wind Load: Per local building code requirements.
 5. Live Load for Seat and Tread Planks: 120 plf.
- D. Shop Connections: Mechanically fastened.
- E. Connection Bolts: Huck bolted.
- F. Framework: Prefabricated aluminum angle bleacher frames spaced at 6 foot intervals and connected by crossbraces.
- G. Rise and Depth Dimensions:
 1. Vertical Rise and Horizontal Depth per Row: 7 inches by 24 inches.
 2. Seat Above its Respective Tread: 15 inches.
- H. Seats: Nominal 2 by 10 anodized aluminum boards, with 2 by 10 end caps.
- I. Treads: Nominal one (1) 2 by 10 for all rows with end caps of matching materials.
- J. Floor Protection: Non-marring rubber pads, 1" x 2-1/2", five (5) at every six foot stringer..
- K. Casters: Rubber 4" wheels with swivels.

2.03 MATERIALS

- A. Framework:
 1. Aluminum: Aluminum alloy, 6061-T6, mill finish.
- B. Extruded Aluminum:
 1. Seat Planks: Extruded aluminum alloy 6063-T6, clear anodized 204R1, AA-M10C22A31, Class II.
 2. Tread Planks: Extruded aluminum alloy 6063-T6, mill finish.
- C. Accessories:
 1. Steel Bolts and Nuts: ASTM A307, galvanized or cadmium plated.
 2. Hold-Down Clip Assembly: Aluminum alloy 6063-T6.
 3. Channel End Caps: Aluminum alloy 6063-T6, clear anodized 204R1, AA-M10C22A31, Class II.

PART 3 EXECUTION

3.01 INSTALLATION

- A. Install Tilt and Roll bleachers complete in accordance with manufacturer's written instructions and approved shop drawings.