

**Aluminum Stadium Seating** provides greater spectator comfort and durability. Sturdisteel offers all-aluminum seating that installs quickly, easily, and economically in permanent grandstands or bleachers. Unlike wood, aluminum never needs painting and will not splinter, crack, or absorb spilled liquids. Easy and fast to clean, water from hosing or rain evaporates quickly.

Three different seating models are available for installation in new construction or replacement facilities on steel or concrete. Anodized seat planks are available in 3 widths: 2" x 10", 2" x 11", and 2" x 12". Footboards are mill finished and are available in 8", 10", 11", 12" and 13" widths. Matching riser boards and optional footboards, backrests, and armrests are also available. For even greater seating comfort order contoured backrests. **(All Backrests require a minimum 30° tread depth).**

Maintenance departments appreciate Sturdisteel's standard clear anodized finish matching the Aluminum Association Architectural Class II specifications (AAC22A31 4 mil. minimum thickness). All plank surfaces are serrated except for a 2" section for ease in numbering.

Sturdisteel aluminum seating is designed for flexibility and ease of installation since only one universal fastening clip is required for hold-down and splices. Common dimensions of mating parts also facilitate the use of different seating and footboard combinations to meet your individual needs.



Sandwich Fair, Sandwich, IL

Are your existing stadium supports still in good condition, while wood seating has splintered and degraded? Sturdisteel is a leader in aluminum replacements for existing wood seats, footboards, and riser boards.

Whatever your needs, Sturdisteel aluminum seating stands in a class by itself for quality, durability, appearance, and low-cost maintenance.

## ALUMINUM STADIUM SEATING GUIDE SPECIFICATIONS

### SECTION 13125

#### PART 1 GENERAL

##### 1.01 SECTION INCLUDES

- A. Design and fabrication of aluminum stadium seating for new or existing grandstands or bleachers.

##### 1.02 REFERENCES

- A. ASTM A307 - Specification for Carbon Steel Bolts and Studs, 60,000 psi Tensile.

##### 1.03 SUBMITTALS

- A. Submit shop drawings in accordance with Section 01300 - Submittals.
- B. Shop Drawings: Submit shop drawings sealed by a registered professional engineer indicating location, size, details, and quantity of all steel and aluminum components.
- C. Color Samples: Submit color samples.

##### 1.04 QUALITY ASSURANCE

- A. Codes and Standards: Design, fabrication, and installation shall be in accordance with applicable codes, regulations, and handicap requirements. Owner will furnish local code requirements.
- B. Manufacturer Qualifications: Minimum 10 years experience in the design and manufacture of aluminum stadium seating.
- C. Installer Qualifications: Employ persons trained and experienced in the installation of aluminum stadium seating.
- D. Welders: AWS certified.

##### 1.05 WARRANTY

- A. Guarantee aluminum stadium seating to be satisfactory as to design, workmanship, and materials for 1 year beginning after completion of project.

#### PART 2 PRODUCTS

##### 2.01 MANUFACTURER

- A. Sturdisteel Company, PO Box 2655, Waco, Texas 76702-2655. Tel (800) 433-3116. Fax (254) 666-4472.

##### 2.02 ALUMINUM BENCH SEATS

- A. Brackets: ASTM-A36 steel hot dipped galvanized after fabrication to ASTM-A123 or extruded aluminum alloy 6061-T6. Accommodate all Sturdisteel seat planks.

1. Tread Mounted: "Z" bracket.
2. Riser Mounted: "T" and "L" brackets.

##### B. Aluminum Extrusions:

1. Planks:
  - a. Maximum Clear Anodizing Length: 32 feet.
  - b. Tread Planks, Riser Planks: Extruded aluminum alloy 6063-T6, mill finish. Clear anodized, baked enamel primary colors or powder coat finish. (optional)
2. Seat Planks, Backrests, Stanchions, and Covers: Extruded aluminum alloy 6063-T6, clear anodized 204R1, AA-M10C22A31, Class II. Baked enamel primary colors or powder coat finish. (optional on backrests)
3. Joint Sleeve Assembly: Extruded aluminum alloy 6063-T6, mill finish. Insert aluminum sleeves in flat plank to maintain true alignment in joining together 2 plank pieces.
  - a. Length: 12 or 18 inches.

##### C. Accessories:

1. End Caps: End of rows for flat seat planks and tread planks. Attach with 3/16 inch pop rivets.
  - a. Channel End Caps: Aluminum

- alloy 6063-T6, clear anodized 204R1, AA-M10C22A31, Class II.

- b. Form Fitted End Caps: Aluminum alloy 2024, clear anodized 204R1 AA-M10C22A32, Class II.

##### 2. Hold-Down Clip Assembly: Attach plank to bracket.

- a. Hold-Down Clip: 4-way adjustable, 5/16 inch by 1-1/4 inch carriage bolt, 5/16 inch kep nut.

##### 2.03 KAL-100 SERIES ALUMINUM STADIUM CHAIRS

- A. Slats: Extruded aluminum alloy 6063-T6, clear anodized 204R1, AA-M10C22A31, Class II. Baked enamel primary colors or powder coat finish. (optional)
- B. Arm Rests: Aluminum alloy 6063-T6, clear anodized 204R1, AA-M10C22A31, Class II. Attach flat bar with carriage bolts.
- C. Vertical Posts: Aluminum alloy 6061-T6, clear anodized 204R1, AA-M10C22A31, Class II.
- D. Die Cast Pivot Block and Seat Bottom Frame: Aluminum alloy 360 mill finish.

##### 2.04 HARDWARE

- A. Steel Bolts and Nuts: ASTM A307, galvanized or cadmium plated.
- B. Hold-Down Clip Assembly: Aluminum alloy 6061-T6.

#### PART 3 EXECUTION

##### 3.01 INSTALLATION

- A. Install aluminum stadium seating complete in accordance with manufacturer's written instructions and approved shop drawings.