SPECIFICATIONS FOR
FIRST CLASS BLEACHER

PART I GENERAL

1.01 SYSTEM DESCRIPTION

Design and fabrication of portable bleachers and permanent angle frame grandstands. Portable and permanent bleacher designs meet or exceed current IBC and ICC codes. Our prefabricated bleacher frames and seats may be assembled by the customer or installed by Bleachers International's technicians.

1.02 QUALITY ASSURANCE

A. Manufacturer Qualifications: Manufacturer must have ten years of experience in the manufacturer of bleachers and grandstands; welders must have AWS certified.

B. Source Quality Control: Mill Test Certification.

1.03 BUILDING CODES

A. Owner to confirm the national code and the version which applies to project for inclusion in specifications.

1.04 WARRANTY

Bleachers International warrants its portable and permanent bleachers/grandstands to be free from defect in material and workmanship in the course of manufacturing for a period of one year under normal use.

1) The warranty period shall begin on date of substantial completion for projects installed by Bleachers International.

2) The warranty period shall begin on date of initial delivery of product for projects installed by others.

In addition, all seat and foot plank extrusions shall be covered by a 3 – year warranty against loss of structural strength of finish deterioration due specifically to exposure to varying weather conditions or ultra-violet rays. This warranty excludes any other defects resulting from abnormal use in service, accidental or intentional damage or any occurrences beyond Bleachers International control and renders above warranties null and void. Discoloration of mill finish aluminum due to galvanic reaction is not covered by warranty.

PART II PRODUCTS

2.01 ACCEPTABLE MANUFACTURER

A. Bleachers International

1550 W Evans Ave, Unit A, Denver, Colorado 80223 U.S.A.
Phone (303) 646-1038 Fax: (303) 646-0599

B. Other manufacturers seeking to be approved must submit product literature on frame-type design to the Owner for review and receive approval from Owner via addendum ten days prior to bid date.

2.02 FIRST CLASS BLEACHERS

A. Product Descriptions

1. Rise and Depth Dimensions: Vertical rise and horizontal depth per row all units, 14" x 36"; seat is 17" above its respective tread. All dimensions regarding rise per row, tread depth, seat and footboard width, etc. may be changed to suit individual project requirements.
2. Framework: Prefabricated aluminum angle bleachers frames are spaced at 6-foot intervals and connected by aluminum cross braces.
3. Seats: Nominal 2" x 12" anodized aluminum plank, with 2" x 12" end caps.
4. Treads and Risers: Fully closed decking arrangement
5. Joint Sleeve Assembly: Required on large continuous units to maintain true alignment in joining two planks together.
6. Front walkway (for elevated bleachers): Standard height to be 30”; width to be (6) 2” x 10” mill finished plank. Other widths and heights are optional for elevated systems.
7. Stairs: for elevated bleachers, frames shall be constructed of structural aluminum angle and channel supports with 2" x 12" mill finish aluminum plank and anodized aluminum handrail pipe.
8. Guard railing: vertical picket guardrail system installed on bleacher perimeter as required by applicable codes. Each line to be terminated with end caps at ends of straight runs and elbows at corners. Guardrails are to be secured to angle-rail vertical safety risers by galvanized fasteners. Back and side top rail to be 42 inches above its adjacent seat. Front top rails, if required, to be 42 inches above walkway.
9. Fencing: vertical picket guardrail fencing to provide enclosure, as required by applicable building codes. Fencing, where required, and guardrail installed to close openings of 4” or more between seat board, footboard and riser board.
10. Vertical Aisle: Mid-aisles to be 48” - 60” wide with center aisle handrail and mid-steps, as required by applicable codes. End aisles – 36” – 48” wide with side handrail and mid-steps.

B. Materials/Finishes:

1. Framework - Aluminum: Structural fabrication with aluminum alloy 6061-T6, mill finish.
2. Extruded Aluminum:
    a. Seat Planks and Riser Board: Extruded aluminum alloy 6063-T6, clear anodized 204R1, AA- M10C22A31, Class II.
    b. Tread Planks: Extruded aluminum alloy 6063-T6, mill finish.
    c. Joint Sleeve Assembly: Extruded aluminum alloy 6063-T6, mill finish.

3. Accessories:

a. Extruded Channel End Caps: Aluminum alloy 6063-T6, clear anodized 204RI, AA-M10C22A31, Class II, and mill finished.
b. Hardware:
(1) Bolts/Nuts: Zinc plated or hot-dipped galvanized or zinc plated.
(2) Hold-Down Clip Assembly: Aluminum alloy 6063-T6.
(3) Structural Hardware: Hot-dipped galvanized, ASTM-A305, or zinc plated.

4. Guard railing and Fencing: Anodized Aluminum Pipe and Vertical Picket Guardrail

C. Fabrication:

1. Design Load:
a. Live Load: 100 psf gross horizontal projection
b. Lateral Sway Load: 24 plf seat plank
c. Perpendicular Sway Load: 10 plf seat plank
d. Wind Load: 30 psf vertical projection
e. Live Load of Seat and Tread Plank: 120 plf

2. Guardrail: 100 plf vertically, and 50 plf horizontally or as local codes require.

Part III EXECTUTION

3.01 INSTALLATION

A. Installation shall be in accordance with manufacturer's installation procedures.

B. All dimensions regarding rise per row, tread depth, seat and footboard width, etc. may be changed to suit individual project requirements. Contact our sales office at (303) 646-1038 or email sales@getseating.com for complete individualized project specifications.