



A PLAYCORE Company

## **STANDARD SERIES – GALVANIZED STEEL ANGLE FRAME (5 ROW)**

**ITEM 1:** 5 row x 21' portable bleacher having a seating capacity of 50 bench seats and two integrated wheel chair spaces, GT Grandstands Model No. GS-0521GDC-A

**MANUFACTURER:** GT Grandstands, Inc., 2810 Sydney Road, Plant City, FL 33566 Ph (866) 550-5511 Fax (813) 305-1419

**DESIGN:** The bleachers shall be designed to support, in addition to their own weight, a uniformly distributed live load of not less than 100 psf of gross horizontal projection of the bleachers. All seat and foot plank members shall be designed to accommodate 200 plf across a 6' span with a maximum deflection of 9/16". The bleachers shall be designed to resist, with or without a live load, a horizontal wind load of 30 psf of gross vertical projection. In addition to the live load, the bleachers shall be designed to resist the following sway forces: (1) 24 plf of seat plank in a direction parallel to the length of the seat, and (2) 10 plf of seat plank in a direction perpendicular to the length of the seat. Under these loads, stresses in steel members and connections shall not exceed those specified in Section 1.5 of the "Specifications for the Design, Fabrication, and Erection of Structural Steel for Buildings," in the latest edition of the Manual of Steel Construction by the American Institute of Steel Construction. Under these loads, stresses in aluminum members and connections shall not exceed those specified for Building Type Structures by the Aluminum Association.

**CONSTRUCTION:** The understructure, including crossbracing, shall be welded ASTM-A36 steel angle, hot-dipped galvanized after fabrication per ASTM-A123 specifications. The understructure of each unit shall consist of frames spaced at 6' centers joined by crossbracing at adequate points to comply with the design loads.

**DIMENSIONS:** The rise per row shall be 8", seat height 17", and tread depth per row of 24". Overall depth of unit is 9'-5". Clear width of unit is 22'. Top row seat height is 4'-0"

**GUARDRAILS:** Guardrail system shall be at all sides of bleacher. Railing shall be 1 5/8" anodized aluminum tube with end caps at ends of straight runs and elbows at corners. All railing shall be secured to rail posts by galvanized fasteners. Guardrailing shall include 2", 9 gauge galvanized chain link fencing fastened in place with galvanized fittings and aluminum ties. Top of railing shall be 42" above the center of any adjacent seat. The guardrail system shall have no opening larger than 4" at any location more than 30" above grade including the triangular region underneath the seat formed by the tread and rise. The guardrail system shall be capable of sustaining a horizontal load of 50 plf and a vertical load of 100 plf. In addition the guardrail system shall be designed for a 200 lb concentrated load applied to the top rail in any direction.

**SEAT PLANKS:** Seat planks shall be 2"x10" nominal, extruded 6063-T6 aluminum alloy with a clear anodized finish and end cap.

## **SPECIFICATIONS (Cont'd)**

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**TREAD PLANKS:** Tread planks shall be of two 2"x10" nominal, extruded 6063-T6 aluminum alloy with a mill finish and end cap.

**RISER PLANKS:** Riser planks shall be 1"x6" extruded aluminum alloy with a clear anodized finish and shall be provided under each row.

**NOTE:** Aluminum planking shall be arranged to reject passage of a sphere larger than 4".

**ALUMINUM PLANK HARDWARE:** Tie-down assemblies consisting of a four-way adjustable aluminum clip, with galvanized bolt, nut, and washer shall be provided for each connection point at each support.

**AISLE:** Bleacher shall have (1) 4'-0" wide aisle equipped with aisle handrails as required per code. Additional planking shall be provided to close the aisle in the horizontal and vertical planes.

**WARRANTY:** GT Grandstands warrants to the Buyer that its bleachers shall be free from defects in material and workmanship under normal use for a period of five (5) years provided they are installed per GT Grandstands installation instructions and that component parts supplied by GT Grandstands are used. GT Grandstands' obligation under this warranty shall be limited to repair and exchange of any such item, which may prove defective under normal use (vandalism and premeditated damage excluded) during such period. GT Grandstands will release the warranty documents to the buyer only after the Buyer has paid GT Grandstands in full the final contracted amount.

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