



Standard Bleachers

Specification Sheet

Construction: Angle frames are spaced at 6'-0" on center laterally and are joined by crossbracing as required to satisfy design loading. The understructure, including crossbracing, shall be of a welded, aluminum angle (6061-T6 alloy, mill finish) construction. 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.

Frame Member Sizes:

Seat Posts:	3" x 2" x 3/16" min. (Rows 5 and 10)
	1-3/4" x 1-3/4" x 3/16" min. (All other rows)
Foot Brackets:	2" x 2" x 3/16" min.
Crossbracing:	1-1/2" x 1-1/2" x 3/16" min.
Bottom Runners:	2" x 2" x 3/16" min.
Rail Posts:	3" x 2" x 1/4" min.

Dimensions: The rise per row shall be 6", first row seat height to be 12" and tread depth per row of 24". Top row seat height is 30".

1. Each Seat: 17 inches above its respective tread.
2. Seats to be 2x12 flat anodized at all rows
3. Decking Arrangement
 - a. Treads to be (2) 2x10 mill finish plank at each row.

Material/Finishes:

1. Substructures:
 - a. Aluminum Angle: Structural fabrication with aluminum angle, 6061-T6 alloy, mill finish.
2. Seating/Planking
 - a. Seat Planks, Riser Planks: 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. Channel end caps: Aluminum alloy, 6063-T6, clear anodized 204R1, AA-M10C22A31, Class II.
 - b. Hardware:
 - (1) Bolts, Nuts: Hot dipped galvanized.
 - (2) Tie down clip assembly: Aluminum alloy 6061-T6.
 - (3) Structural hardware: Equal to or greater than hot-dipped galvanized ASTM-A307. No connection utilizing high strength bolts are classified as slip critical

Fabrication:

1. Design Loads:
 - a. Live load: 100 psf gross horizontal projection.
 - b. Lateral sway load: 24 plf seat plank.
 - c. Perpendicular sway load: 10 plf seat planks.
 - d. Live load of seat and tread planks: 120 plf.
 - e. Guardrail: Vertical: 100 plf, Horizontal 50 plf, Point Load = 200 lbs.
 - f. Wind Load: Per local code.
2. All connections made in shop to be shop welded.