



5-ROW NON-ELEVATED BLEACHER WITH AISLE

I. Product Specifications

- A. Rise and Depth: Vertical rise and horizontal depth per row: 8" x 24". Seat is 17" above its respective tread
- B. Framework: Prefabricated angle bleachers frames are spaced at 6' intervals and connected by cross braces
- C. Seats: Nominal 2" x 10" anodized aluminum plank, with 2" x 10" end caps
- D. Treads: Nominal 2" x 10" mill finish aluminum plank, with 2" x 10" end caps (double at all rows)
- E. Riser: 1" x 6" mill finish aluminum plank (single rows 2-4, double row 5)
- F. Guard railing: Two lines of aluminum rail with chain link or vertical picket fence 42" above seat on both sides of bleacher and across back of bleacher.
- G. Aisle: Aisles (4.5' center and/or 3' side) to be provided with 34" high handrail and intermediate rail at approximately 22" above tread. Aluminum tread nosing of contrasting color on aisle steps.
- H. Wheelchair Area (if applicable): 5'6" wide for two wheelchairs (33" each) and 36" for a single wheelchair

II. Materials

- 1. Framework, Aluminum: Structural fabrication with aluminum alloy 6061-T6, Mill finish.
- 2. Extruded Aluminum:
 - a. Seat Planks: extruded aluminum alloy 6063-T6, clear anodized 204R1, AA-M10C22A31, Class II
 - b. Tread Planks, Riser Planks: Extruded aluminum. alloy 6063-T6, mill finish.
 - c. Joint Sleeve Assembly: Extruded aluminum alloy 6063-T6
- 3. Accessories
 - a. Channel End Caps: Aluminum alloy 6063-T6, mill finished or clear anodized 204R1, AA-M10C22A31, Class II
 - b. Hardware:
 - 1) Bolt, Nuts: Hot – dipped galvanized
 - 2) Hold – down clip assembly: Aluminum alloy 6063-T6
 - 3) Structural Hardware: Hot – dipped galvanized A5TM-A325
 - c. Guard Railing: Aluminum railing, galvanized chain link fabric or aluminum pickets

III. Design Specifications

- 1) Live Load: 100 psf gross horizontal projection
- 2) Lateral Sway Load: 24 plf seat plank
- 3) Perpendicular Sway Load: 10 plf seat plank
- 4) Wind Load: 30 psf vertical projection
- 5) Live Load of Seat & Tread Plank: 120 plf
- 6) Guardrail: 100 plf vert, and 50 plf horiz.