

GULF COAST SPORTS LLC
MANUFACTURER
Gulf Coast Sports
Crystal River, FL



ANGLE FRAME BLEACHER
TYPICAL ELEVATED BLEACHERS
SECTION 13125

PART 1 - GENERAL

1.01 SYSTEM DESCRIPTION

Design and fabrication of Angle Frame-Type Bleacher

1.02 QUALITY ASSURANCE

- a. Manufacturer: **Gulf Coast Sports LLC 1426 N Gulf Ave Crystal River, FL (855) 827-1386**
- b. Manufacturer Qualifications: Manufacturer must have a minimum of three years' experience in the design and manufacture of bleachers.
- c. Codes and Standards: 2012 International Building Code.
- d. 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
- b. Specifications.

1.04 WARRANTY

Bleacher to be free from defect in material and workmanship in the course of manufacturing for a period of five years beginning at Date of Substantial Completion for Projects installed by Gulf Coast Sports, beginning at Date of Initial Delivery of Product for Projects installed by others. This Warranty excludes defects resulting from abnormal use, accidental or intentional damage, or any Occurrences beyond Gulf Coast Sports control.

1.05 PRODUCT LIABILITY INSURANCE

Product liability insurance is carried for the life of the product in the amount of \$ 2,000,000.

1.06 ENGINEERING

Engineering certifications and calculations by a Registered Professional Engineer will be provided upon request, for a fee.

PART 2 - PRODUCTS

2.01 ACCEPTABLE MANUFACTURER

Gulf Coast Sports: Athletic Equipment & Supplies

2.02 FRAME-TYPE BLEACHERS

Product Description

1. Elevated Angle Frame Bleachers: **(CBBCS)**
2. Seat is 17 inches above its respective tread.
3. Framework: Prefabricated angle bleacher frames are spaced at 6-foot (max.) intervals and
4. Connected by cross braces. Attach to concrete by 3/8 X3" Wedge anchors.
5. Seats: Nominal 2 x 10 aluminum plank with 2 x 10 anodized end caps.
6. Treads: Two nominal 2 x 10 mill aluminum planks with 2 x 19 anodized end caps.
7. Risers: Nominal 1 x 6" anodized aluminum riser planks beginning at Row 1; Double on last row.
8. Guard railing: Two lines of aluminum rail with Picket Panel/ 9 gauge Galvanized Steel Chain link fencing - 42 inches above seat on both sides of bleacher and across back of bleacher. Front rail guardrail 42 inches above front walk.
9. Entry Steps: Frames with 2 x 12 mill aluminum plank with step riser to code

10. Front Walkway: 24/28/30/32/36/42 -inch elevation and 68-inch clear width.
 - a. Aisle: Aisle to be provided with 34" high handrail and intermediate rail at approximately 22" above tread. Handrails with rounded ends are discontinuous to allow access to seating through a 24" wide space.
1. Wheelchair Area:
 - a. Wheelchair area to be 5' 6" wide for two wheelchairs (33" each) and 36" for single.
 - b. Ramp: Slope: 1 in 12.
 - c. Guard railing: One line aluminum rail 36 inches above ramp tread with intermediate rail at approximately 20 inches.
 - d. Railing shall be continuous the full length of the ramp, and shall extend in the direction of the ramp 12 inches beyond the end of the ramp.

B. Materials/Finishes

1. Framework:
 - a. Galvanized Steel: Structural fabrication with ASTM-A529 steel if specified. Shop connections are seal welded. After fabrication, all steel is hot-dipped galvanized to ASTM-A123 specification.
 - b. Aluminum Angle: 6061 Aluminum Structural Angle to make up understructure, bracing and cross bracing.
2. Extruded Aluminum:
 - a. Seat Planks, Riser Planks, Step Risers: Extruded aluminum alloy 6063-T6, clear anodized 204R1, AA-M10C22A31, Class II, and a wall thickness of .094".
 - b. Tread Planks: Extruded aluminum alloy 6063-T6, mill finish and wall thickness of .094".
3. Accessories: Glow in the Dark Tread (optional)
 - a. Channel End Caps: Aluminum alloy 6063-T6, clear anodized 204R1, AA-M10C22A31, Class II.
 - b. Hardware:
 - i. Bolts, Nuts: Galvanized or plated.
 - ii. Hold-Down Clip Assembly: Aluminum alloy 6061-T6.
 - c. Handrails: Anodized aluminum rail 1-5/8" O.D.
 - d. Cross braces: Extruded aluminum angle alloy 6061-T6, mill finish.
 - e. Aisle Nose and Stair Nose: Aluminum alloy, 6063-T6.

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. Live Load of Seat and Tread Plank: 120 plf
 - e. Guardrail: 100 plf vertical and 50 plf horizontal.
2. All connections made in shop to be shop welded.
 - a. Manufactured by certified welders conforming to AWS Standards.

PART 3 - EXECUTION

3.01 INSTALLATION

- A. Install bleacher unit in accordance with manufacturer's installation procedures.

Note: **Building codes may vary from site to site. The customer is responsible for verification of local code requirements**