

## **MANUFACTURER**

Southern Bleacher Company  
P. O. Box 1  
Graham, TX 76450  
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## **SECTION 13125**

### **FRAME-TYPE BLEACHER SILVER EDITION NON-ELEVATED SERIES**

## **PART 1 - GENERAL**

### **1.01 SYSTEM DESCRIPTION**

- A. Design and fabrication of Frame-Type Bleacher

### **1.02 QUALITY ASSURANCE**

- A. Manufacturer: Southern Bleacher Company, P. O. Box One, Graham, Texas 76450 U.S.A., (800) 433-0912 or (940) 549-0733. Fax: (940) 549-1365.
- B. Manufacturer Qualifications: Manufacturer must have ten years of experience in the manufacture of bleachers and grandstands; welders must be AWS certified.
- C. 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**

Southern Bleacher warrants its Frame-Type Bleacher to be free from defect in material and workmanship in the course of manufacturing for a period of one year beginning at Date of Substantial Completion for Projects installed by Southern Bleacher, 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 Southern Bleacher's control.

## PART 2 - PRODUCTS

### 2.01 ACCEPTABLE MANUFACTURER

- A. Southern Bleacher Company

### 2.02 FRAME-TYPE BLEACHERS

- A. Product Description

1. Silver Edition (5 Row, 10 Row, and 15 Row) Non-Elevated Frame-Type Bleachers:
  - a. Rise and Depth Dimensions: Vertical rise and horizontal depth per row: 8 inches x 24 inches. Seat is 17 inches above its respective tread.
  - b. Framework: Prefabricated angle bleacher frames are spaced at 6-foot (max.) intervals and connected by crossbraces.
  - c. Seats: Nominal 2 x 10 anodized aluminum plank with 2 x 10 anodized end caps.
  - d. Treads: Two nominal 2 x 11 mill aluminum planks with 2 x 11 anodized end caps.
  - e. Risers: Nominal 1 x 6-1/2 anodized aluminum riser plank beginning at Row 2; two 1 x 6-1/2 aluminum riser plank on top row.
  - f. Guardrailing: Two lines of aluminum rail with chain link 42 inches above seat on both sides of bleacher and across back of bleacher.
  - g. 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. Aluminum tread nosing of contrasting color on aisle steps.
2. Wheelchair Area:
  - a. Wheelchair area to be 5' 6" wide for two wheelchairs (33" each) and 36" for single.

- B. Materials/Finishes

1. Framework:
  - a. Galvanized Steel: Structural fabrication with ASTM-A529 steel. Shop connections are seal welded. After fabrication, all steel is hot-dipped galvanized to ASTM-A123 specification.
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:
  - a. Channel End Caps: Aluminum alloy 6063-T6, clear anodized 204R1, AA-M10C22A31, Class II.
  - b. Hardware:
    - (1) Bolts, Nuts: Galvanized or plated.
    - (2) Hold-Down Clip Assembly: Aluminum alloy 6061-T6.
  - c. Guardrailing: Anodized aluminum rail 1-5/8" O.D. with galvanized chain link.

- d. Crossbraces: Extruded aluminum angle alloy 6061-T6, mill finish.
- e. Aisle Nose: Aluminum alloy, 6063-T6, black powder-coat finish.

C. Manufactured Units:

- 5 Row Models w/Wheelchair Areas:
- 2 Line Chain link from Row 1 to Top
  - (2) 2 x 11 Tread Planks on All Rows
  - 1 x 6-1/2 Riser Beginning @ Row 2, (2) 1 x 6-1/2 Riser on Top Row
  - Aisle(s) as Required
  - Wheelchair Seating Area(s) as Noted

1. Model 521 (5 row x 21', 46 net seats, 2 wheelchair seat areas)	Quantity of Units	___
2. Model 527 (5 row x 27', 58 net seats, 4 wheelchair seat areas)	Quantity of Units	___
3. Model 533 (5 row x 33', 78 net seats, 4 wheelchair seat areas)	Quantity of Units	___
4. Model 539 (5 row x 39', 98 net seats, 4 wheelchair seat areas)	Quantity of Units	___
5. Model 545 (5 row x 45', 100 net seats, 5 wheelchair seat areas)	Quantity of Units	___
6. Model 551 (5 row x 51', 122 net seats, 5 wheelchair seat areas)	Quantity of Units	___
7. Model 557 (5 row x 57', 140 net seats, 5 wheelchair seat areas)	Quantity of Units	___
8. Model 563 (5 row x 63', 162 net seats, 5 wheelchair seat areas)	Quantity of Units	___
9. Model 569 (5 row x 69', 180 net seats, 5 wheelchair seat areas)	Quantity of Units	___
10. Model 573 (5 row x 73', 174 net seats, 5 wheelchair seat areas)	Quantity of Units	___
11. Model 575 (5 row x 75', 192 net seats, 5 wheelchair seat areas)	Quantity of Units	___
12. Model 581 (5 row x 81', 206 net seats, 5 wheelchair seat areas)	Quantity of Units	___
13. Model 587 (5 row x 87', 214 net seats, 5 wheelchair seat areas)	Quantity of Units	___
14. Model 593 (5 row x 93', 228 net seats, 6 wheelchair seat areas)	Quantity of Units	___
15. Model 599 (5 row x 99', 254 net seats, 5 wheelchair seat areas)	Quantity of Units	___
16. Model 5105 (5 row x 105', 268 net seats, 6 wheelchair seat areas)	Quantity of Units	___
17. Model 5111 (5 row x 111', 288 net seats, 6 wheelchair seat areas)	Quantity of Units	___
18. Model 5117 (5 row x 117', 296 net seats, 6 wheelchair seat areas)	Quantity of Units	___
19. Model 5123 (5 row x 123', 328 net seats, 6 wheelchair seat areas)	Quantity of Units	___
20. Model 5129 (5 row x 129', 348 net seats, 6 wheelchair seat areas)	Quantity of Units	___

- 10 Row Models w/Wheelchair Areas:
- 2 Line Chain link from Row 1 to Top
  - (2) 2 x 11 Tread Planks on All Rows
  - 1 x 6-1/2 Riser Beginning @ Row 2, (2) 1 x 6-1/2 Riser on Top Row
  - Aisle(s) as Required
  - Wheelchair Seating Area(s) as Noted

21. Model 1045 (10 row x 45', 215 net seats, 5 wheelchair seat areas)	Quantity of Units	___
22. Model 1051 (10 row x 51', 257 net seats, 5 wheelchair seat areas)	Quantity of Units	___
23. Model 1057 (10 row x 57', 295 net seats, 5 wheelchair seat areas)	Quantity of Units	___
24. Model 1063 (10 row x 63', 333 net seats, 6 wheelchair seat areas)	Quantity of Units	___
25. Model 1069 (10 row x 69', 371 net seats, 6 wheelchair seat areas)	Quantity of Units	___
26. Model 1073 (10 row x 73', 358 net seats, 6 wheelchair seat areas)	Quantity of Units	___
27. Model 1075 (10 row x 75', 396 net seats, 6 wheelchair seat areas)	Quantity of Units	___
28. Model 1081 (10 row x 81', 422 net seats, 6 wheelchair seat areas)	Quantity of Units	___
29. Model 1087 (10 row x 87', 435 net seats, 6 wheelchair seat areas)	Quantity of Units	___
30. Model 1093 (10 row x 93', 473 net seats, 6 wheelchair seat areas)	Quantity of Units	___
31. Model 1099 (10 row x 99', 515 net seats, 6 wheelchair seat areas)	Quantity of Units	___
32. Model 10105 (10 row x 105', 553 net seats, 6 wheelchair seat areas)	Quantity of Units	___
33. Model 10111 (10 row x 111', 593 net seats, 6 wheelchair seat areas)	Quantity of Units	___
34. Model 10117 (10 row x 117', 596 net seats, 8 wheelchair seat areas)	Quantity of Units	___
35. Model 10123 (10 row x 123', 669 net seats, 7 wheelchair seat areas)	Quantity of Units	___
36. Model 10129 (10 row x 129', 705 net seats, 8 wheelchair seat areas)	Quantity of Units	___

15 Row Models w/Wheelchair Areas:

- 2 Line Chain link from Row 1 to Top
- (2) 2 x 11 Tread Planks on All Rows
- 1 x 6-1/2 Riser Beginning @ Row 2, (2) 1 x 6-1/2 Riser on Top Row
- Aisle(s) as Required
- Wheelchair Seating Area(s) as Noted

37. Model 1551 (15 row x 51', 388 net seats, 6 wheelchair seat areas)	Quantity of Units	___
38. Model 1557 (15 row x 57', 434 net seats, 6 wheelchair seat areas)	Quantity of Units	___
39. Model 1569 (15 row x 69', 522 net seats, 6 wheelchair seat areas)	Quantity of Units	___
40. Model 1573 (15 row x 73', 548 net seats, 6 wheelchair seat areas)	Quantity of Units	___
41. Model 1575 (15 row x 75', 538 net seats, 6 wheelchair seat areas)	Quantity of Units	___
42. Model 1581 (15 row x 81', 598 net seats, 6 wheelchair seat areas)	Quantity of Units	___
43. Model 1587 (15 row x 87', 654 net seats, 7 wheelchair seat areas)	Quantity of Units	___
44. Model 1593 (15 row x 93', 698 net seats, 8 wheelchair seat areas)	Quantity of Units	___
45. Model 15105 (15 row x 105', 786 net seats, 8 wheelchair seat areas)	Quantity of Units	___

D. 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.
- B. IT IS HIGHLY RECOMMENDED that the frame-type, Silver Edition bleacher unit be securely anchored to a flat, level concrete slab.

\* All specifications are subject to change without notice to allow for Southern Bleacher's policy of continuous product improvement.

Copy of specifications may be obtained by calling (800) 433-0912, or in Texas (940) 549-0733. In addition, specifications are available on 3-1/2" floppy disks.

Specs: Silver-NE Frame-Type (7/02)