

## **MANUFACTURER**

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

### **FRAME-TYPE BLEACHER SILVER EDITION 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) 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 planks beginning at Row 1; 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. Front rail, 3 line with chain link 42 inches above front walk.
  - g. Entry Steps: Frames with 2 x 12 mill aluminum plank with step riser, contrasting aluminum stair nose and 2 line rail 36 inches above nose of step. Handrails shall extend in the direction of the exit steps 12 inches beyond the end of the steps. Ends shall terminate in newel posts.
  - h. Front Walkway: 30-inch elevation and 68-inch clear width.
  - i. 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. Ramp:
    - (1) Slope: 1 in 12.
    - (2) Guardrailing: Two line aluminum rail 36 inches above ramp tread with intermediate rail at approximately 20 inches. 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, returning to end at a newel post.
3. Landing: Optional: 74" Return Landing: 74" Landing to have 3-line 36" chain link with rail at 42" above front walk plank.

- 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: Front, sides and back anodized aluminum rail 1-5/8" O.D. with galvanized chain link.
  - d. Handrails: Anodized aluminum rail 1-5/8" O.D.
  - e. Crossbraces: Extruded aluminum angle alloy 6061-T6, mill finish.
  - f. Aisle Nose and Stair 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 1,
- (2) 1 x 6-1/2 Riser on Top Row
- Aisle(s) as Required
- 68" Clear Width Front Walkway
- One Ramp and One Stair
- Wheelchair Seating Area(s) as Noted

1. Model 521E (5 row x 21', 46 net seats, 2 wheelchair seat areas)	Quantity of Units	_____
2. Model 527E (5 row x 27', 58 net seats, 4 wheelchair seat areas)	Quantity of Units	_____
3. Model 533E (5 row x 33', 78 net seats, 4 wheelchair seat areas)	Quantity of Units	_____
4. Model 539E (5 row x 39', 98 net seats, 4 wheelchair seat areas)	Quantity of Units	_____
5. Model 545E (5 row x 45', 100 net seats, 5 wheelchair seat areas)	Quantity of Units	_____
6. Model 551E (5 row x 51', 122 net seats, 5 wheelchair seat areas)	Quantity of Units	_____
7. Model 557E (5 row x 57', 140 net seats, 5 wheelchair seat areas)	Quantity of Units	_____
8. Model 563E (5 row x 63', 162 net seats, 5 wheelchair seat areas)	Quantity of Units	_____
9. Model 569E (5 row x 69', 180 net seats, 5 wheelchair seat areas)	Quantity of Units	_____
10. Model 573E (5 row x 73', 174 net seats, 5 wheelchair seat areas)	Quantity of Units	_____
11. Model 575E (5 row x 75', 192 net seats, 5 wheelchair seat areas)	Quantity of Units	_____
12. Model 581E (5 row x 81', 206 net seats, 5 wheelchair seat areas)	Quantity of Units	_____
13. Model 587E (5 row x 87', 214 net seats, 5 wheelchair seat areas)	Quantity of Units	_____
14. Model 593E (5 row x 93', 228 net seats, 6 wheelchair seat areas)	Quantity of Units	_____
15. Model 599E (5 row x 99', 254 net seats, 5 wheelchair seat areas)	Quantity of Units	_____
16. Model 5105E (5 row x 105', 268 net seats, 6 wheelchair seat areas)	Quantity of Units	_____
17. Model 5111E (5 row x 111', 288 net seats, 6 wheelchair seat areas)	Quantity of Units	_____
18. Model 5117E (5 row x 117', 296 net seats, 6 wheelchair seat areas)	Quantity of Units	_____
19. Model 5123E (5 row x 123', 328 net seats, 6 wheelchair seat areas)	Quantity of Units	_____
20. Model 5129E (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 1,
  - (2) 1 x 6-1/2 Riser on Top Row
  - Aisle(s) as Required
  - 68" Clear Width Front Walkway
  - One Ramp and One Stair
  - Wheelchair Seating Area(s) as Noted

- 21. Model 1045E (10 row x 45', 215 net seats, 5 wheelchair seat areas) Quantity of Units \_\_\_\_\_
- 22. Model 1051E (10 row x 51', 257 net seats, 5 wheelchair seat areas) Quantity of Units \_\_\_\_\_
- 23. Model 1057E (10 row x 57', 295 net seats, 5 wheelchair seat areas) Quantity of Units \_\_\_\_\_
- 24. Model 1063E (10 row x 63', 333 net seats, 6 wheelchair seat areas) Quantity of Units \_\_\_\_\_
- 25. Model 1069E (10 row x 69', 371 net seats, 6 wheelchair seat areas) Quantity of Units \_\_\_\_\_
- 26. Model 1073E (10 row x 73', 358 net seats, 6 wheelchair seat areas) Quantity of Units \_\_\_\_\_
- 27. Model 1075E (10 row x 75', 396 net seats, 6 wheelchair seat areas) Quantity of Units \_\_\_\_\_
- 28. Model 1081E (10 row x 81', 422 net seats, 6 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 1,
  - (2) 1 x 6-1/2 Riser on Top Row
  - Aisle(s) as Required
  - 68" Clear Width Front Walkway
  - One Ramp and One Stair
  - Wheelchair Seating Area(s) as Noted

- 29. Model 1551E (15 row x 51', 388 net seats, 6 wheelchair seat areas) Quantity of Units \_\_\_\_\_
- 30. Model 1557E (15 row x 57', 434 net seats, 6 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-E Frame-Type (7/02)