

**SECTION 12 66 00  
TELESCOPING BLEACHERS**

**PART 1 GENERAL**

1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 1 specification section, apply to work of this section.

1.2 SECTION INCLUDES

- A. Telescoping gym seats, electrically operated, of multi-tiered rows of seats, deck and risers on interconnected, retractable, supportive understructure. Wall attached.

1.3 REFERENCES

- A. AISC - Manual of Steel Construction
- B. AISI - Specification for Design of Cold Rolled Steel Structural Members
- C. AA - Specifications for Aluminum Structures

1.4 SUBMITTALS

- A. Manufacturer's product data
- B. Provide shop drawings indicating:
  - 1. Assembly layout and dimensions
  - 2. Seat heights, row spacing and rise
  - 3. Aisle widths and locations
  - 4. Anchorage to supporting structures
  - 5. Materials types and finishes
  - 6. Electrical loads, wiring, and connections
- C. Samples of seat materials, finishes and colors
- D. Manufacturer's qualifications
- E. Installer's qualifications
- F. Operating and maintenance manuals
- G. Manufacturer's standard warranty documents
- H. Submit shop drawings and manufacturer data to the SDPBC Building Department indicating compliance with NFPA 102, FFPC, and the FBC.

1.5 REGULATORY REQUIREMENTS

- A. NFPA 102 - Standard for Grandstands, Folding and Telescopic Seating, Tents, and Membrane Structures
- B. FBC - Florida Building Code
- C. FFPC – Florida Fire Prevention Code
- D. FBC-A – Florida Building Code-Accessibility
  - 1. Provide designated aisle seats.

1.6 FIELD MEASUREMENTS

- A. Verify that field measurements are as indicated on shop drawings.

**PART 2 PRODUCTS**

2.1 DESCRIPTION

- A. Adjustable row spacing on one-inch increments from 22" to 26"
- B. Aisle: Full length from top to floor level
- C. Seat: Wood
- D. Rail: Self-Storing

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- E. Operations: Electric with pendant control and limit switches
- F. Accessories: Scorer's table; rear deck filler
- G. Special Application: High humidity finish
- H. Space accommodations for wheelchairs and companion seats

## 2.2 FABRICATION

- A. Understructure
  - 1. Lower Track: Minimum (4)-4" diameter x 1" wide wheels, front interlocking bearing, and automatic tier catch at each frame location.
  - 2. Upper cantilever and lower track guides shall be field adjustable in 1" increments.
  - 3. Diagonal Knee Bracing: Thru-bolted to boxed channel vertical columns and deck stiffeners.
  - 4. Tapered Deck Stiffeners and Doublers: Spaced not to exceed 4" o. c. and located at each plywood butt connection.
  - 5. Finish: Manufacturer's standard silicon enamel
- B. Deck
  - 1. Nosing and Risers: Continuous galvanized steel
  - 2. Plywood: Southern Pine 5/8" thick AC grade with high gloss clear urethane finish, both sides.
  - 3. Fastenings: Thru bolt front and back at each frame cantilever, deck stiffener, and deck double.
- C. Seating
  - 1. Wood: 4" x 4" nominal thickness Southern Grade Pine grade (B & B). High, gloss clear urethane, both sides.
- D. Welding and Connections
  - 1. Welds performed by welders certified for the process employed.
  - 2. Structural Connections: Secured by structural bolts with prevailing torque lock nuts or free spinning nuts in combination with lock washers.
- E. Steps
  - 1. Steps shall comply with the requirements of FFPC and all steps (including the bottom step) shall be stable and permanently secured to the seating structure.
  - 2. Loose steps prohibited.
- F. Designated Aisle Seats
  - 1. Comply with 221.4 FBC-A by designating 5% of the aisle seats as reserved for use by disabled persons. Such seats shall be marked as required by 802.4.2 FBC-A.
    - a. Designate these seats by marking seats in the first row of each bleacher section as accessible. The first row is the row immediately adjacent to the activity floor.
      - i) Each designated seat will occupy a space 18 inches wide on the seating bench.
      - ii) The center of each 18-inch wide seating space will be marked with a sticker displaying the universal symbol for accessibility.
        - a) Six inches square is the minimum sticker size.

## PART 3 EXECUTION

### 3.1 EXAMINATION

- A. Verification of Conditions: Verify the areas to receive telescoping gym seats are free of impediments interfering with installation and the conditions of installation substrates are acceptable to receive assembly in accordance with manufacturer's recommendations.

### 3.2 INSTALLATION

- A. Install seating assembly in accordance with manufacturer's installation instructions and final shop

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drawings.

B. Provide accessories, anchors, fasteners, inserts and other items for installation of seating assembly and for permanent attachment to adjoining construction.

C. Provide access to all electrical disconnects.

### 3.3 ADJUSTMENT AND CLEANING

A. After installation is completed, adjust each seating assembly to operate in compliance with manufacturer's operations manual.

B. Clean installation on both exposed and semi-exposed surfaces. Touch-up finishes restoring damage or soiled surfaces.

### 3.4 PROTECTION

A. Provide and maintain protection to ensure installation shall be free of damage or deterioration.

### 3.5 MAINTENANCE AND OPERATION

A. Provide School District with operation and maintenance instructions for the system.

END OF SECTION