

## SECTION 126313 - STADIUM AND ARENA BENCH SEATING

### PART 1 - GENERAL

#### 1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.

#### 1.2 SUMMARY

- A. Section includes fixed, continuous bench- type metal seating at Pool *and fixed telescoping seating where shown. [ADDENDUM NO.3]*

#### 1.3 ACTION SUBMITTALS

- A. Product Data: For each type of product.
- B. Shop Drawings: For bench seating.
  - 1. Seating Layout: Show seating layout, aisle widths, aisle-end alignment or stepping, and row-lettering scheme.

#### 1.4 INFORMATIONAL SUBMITTALS

- A. Product certificates.
- B. Sample warranty.

#### 1.5 CLOSEOUT SUBMITTALS

- A. Maintenance data.

#### 1.6 QUALITY ASSURANCE

- A. Installer Qualifications: An entity that employs installers and supervisors who are trained and approved by manufacturer.

#### 1.7 WARRANTY

- A. Special Warranty: Manufacturer agrees to repair or replace components of bench seating that fail in materials or workmanship within specified warranty period.
- B. Verify available warranties and warranty periods for seating and components.

- C. Warranty Periods: Five years from date of Substantial Completion.

## PART 2 - PRODUCTS

### 2.1 PERFORMANCE REQUIREMENTS

- A. Structural Performance: Bench seating shall withstand the effects of gravity and other loads within limits and under conditions indicated.
1. Vertical Live Load: 120 lb/ft..
  2. Horizontal Sway Loads: 24 lb/ft. parallel to bench and 10 lb/ft. perpendicular to bench.
- B. Thermal Movements: Allow for thermal movements from ambient and surface temperature changes.
1. Temperature Change: 120 deg. F, ambient; 180 deg. F, material surfaces.

### 2.2 BENCH SEATING

- A. Description: Plank-type seating in permanent arrangement as indicated on Drawings.
1. Manufacturers: Subject to compliance with requirements, available manufacturers offering products that may be incorporated into the Work include, but are not limited to the following or equal:
    - a. Bleachers International
    - b. Dant Clayton Corporation
    - c. E&D Specialty Stands, Inc.
    - d. National Recreation Systems, A Playcore Company
    - e. Southern Bleacher Company, Inc.
    - f. Sturdisteel, A division of Schultz Industries
- B. Seat Planks: Horizontal, continuous bench components on which spectators sit.
1. Material: One-piece aluminum extrusion, approximately 12 inches wide by 1-1/2 inches thick.
  2. Finish: Clear anodic finish.

### 2.3 ***TELESCOPING STANDS [ADDENDUM NO.3]***

- A. ***System Description: System of multiple-tiered seating on interconnected folding platforms designed as telescoping units permanently fixed in-place as shown. Telescoping-stand units permit opening and closing of adjacent, individual and multiple rows, and close with vertical faces of platforms in the same vertical plane.***
1. ***Telescoping-Stands Standard: ICC 300.***
- B. ***Wall-Attached Telescoping Stands: Forward-folding system, in which the bleachers open in the forward direction by moving the front row away from the stack to the fully extended position and the rear of bleacher understructure permanently attaches to wall construction.***
1. ***Basis of Design Product: Subject to compliance with requirements, provide Closed Deck***

*Telescoping Bleacher with "Excel" Seat Module by Interkal Spectator Seating Co. or comparable product by one of the following:*

- a. *Universal Bleacher Company*
- b. *Audience Systems Inc.*

2. *Quantity: One bank, wall attached, number of rows as indicated on Drawings*
3. *Row Spacing: 26 inches, unless otherwise indicated on Drawings.*
4. *Row Rise: 10.25 inches, unless otherwise indicated on Drawings.*
5. *Seat Type: Benches.*

#### **2.4 COMPONENTS [ADDENDUM NO.3]**

##### **A. Benches: Seats and skirts.**

1. *Material: Molded plastic with contour surfaces.*
  - a. *Color: As selected by Architect from manufacturer's standard.*
2. *Bench Height: Not less than 16 inches or more than 18 inches.*
3. *Bench Depth: 10 inches.*

##### **B. Deck: Aluminum.**

1. *Finish: Clear anodized.*

##### **C. Risers: Steel sheet with manufacturer's standard, rust-inhibiting coating or hot-dip galvanized finish.**

##### **D. Safety Rails: Steel, finished with manufacturer's standard powder coat system.**

1. *Removable mid-aisle handrails located at centerline of each aisle with seating on both sides.*
2. *End rails (guards) that are removable.*
3. *Back rails (guards) along rear of units where required by ICC 300.*
4. *Removable front rails (guards) along front of units where required by ICC 300.*

##### **E. Understructure: Structural steel.**

1. *Finish: Manufacturer's standard rust-inhibiting finish.*
2. *Color: Manufacturer's standard.*

#### **2.5 MATERIALS**

A. Aluminum: Alloy and temper recommended in writing by manufacturer for type of use and finish indicated.

B. Fasteners: Aluminum, hot-dip galvanized steel, or stainless steel. Use fasteners of the same basic metal as fastened metal unless otherwise indicated. Use metals that are noncorrosive and compatible with each metal joined.

1. Use concealed fasteners for interconnecting metal components and for attaching them to other work unless exposed fasteners are unavoidable.
2. For exposed fasteners, use tamper-resistant screws of head profile flush with metal surface unless otherwise indicated.
3. Finish heads of exposed fasteners to match finish of metal fastened unless otherwise indicated.
4. Do not use power-actuated fasteners for concrete substrates.

## 2.6 ALUMINUM FINISHES

- A. Clear Anodic Finish: AAMA 611, AA-M12C22A41, Class I, 0.018 mm or thicker.

## PART 3 - EXECUTION

### 3.1 ***EXAMINATION [ADDENDUM NO.3]***

- A. ***Examine substrates, areas, and conditions, with Installer present, for compliance with requirements for installation tolerances and other conditions affecting performance of the Work.***
- B. ***Proceed with installation only after unsatisfactory conditions have been corrected.***

### 3.2 INSTALLATION

- A. Install seating in locations indicated and fasten to substrates according to manufacturer's written installation instructions unless otherwise indicated.
- B. Install seating level, with uniform bench height above walking surface, and without sharp edges.
- C. Attach end caps tightly abutting ends of seat planks, with exposed end-cap contour aligned with contour of seat planks.
- D. Space and attach seat-plank support brackets only to substrate concrete or structural components of metal substrates.
- E. Install accessories in visual alignment.
- F. ***Install telescoping stands according to ICC 300 and manufacturer's written instructions. [ADDENDUM NO.3]***

### 3.3 ***ADJUSTING [ADDENDUM NO.3]***

- A. ***Adjust hardware and moving parts to function smoothly, and lubricate, test, and adjust each telescoping stand unit to operate according to manufacturer's written instructions.***
- B. ***Clean installed telescoping stands on exposed and semiexposed surfaces. Touch up factory-applied finishes or replace components as required to restore damaged or soiled areas.***

END OF SECTION 126313