

AMERICAN GRANDSTANDS, INC.

8604 CHANCELLOR ROW DALLAS, TEXAS 75247

214 638 7007 FAX 214 638 7286

SECTION 13125

PART 1 GENERAL

1.1 SECTION INCLUDES

- A. Design, fabrication, and installation of permanent grandstands including :
 1. Steel Substruture
 2. Decking system
 3. Concrete Foundation / piers
 4. Pressbox support structure
 5. Pressbox

1.2 REFERENCES

- A. ASTM A36 - For Structural Steel
- B. ASTM A123 - For zinc (Hot-Dip Galvanized) Coatings on Iron and Steel Products, after fabrication.
- C. ASTM A307 - For Carbon Steel Bolts and Studs.

1.3 SUBMITTALS

- A. Submit shop drawings in accordance with Section 01300 - Submittals.
- B. Shop Drawings: Submit shop drawings for final approval, upon which such drawings will be engineered sealed.

1.4 QUALITY ASSURANCE

- A. Codes and Standards: Design, fabrication and installation shall be in accordance with local codes, and handicap requirements. Is the reponsibility of the owner to furnish local code requirements.
- B. Manufacturer Qualifications: Minimum 10 years experience in the design and manufacturer of grandstands.
- C. Installer Qualifications: Employ persons trained and experienced in the installation of grandstands.
- D. Welders: AWS certified

1.5 PROJECT CONDITIONS

- A. Owner will verify site location.

- B. Owner will locate all underground utilities and obstructions.
- C. Owner will furnish geotechnical report indicating soil conditions.

1.6 WARRANTY:

- A. AGI guarantees permanent grandstands to be satisfactory as to design, workmanship, and materials For 1 year beginning after completion of project.

PART 2 PRODUCTS

2.1 MANUFACTURER

- A. American Grandstands, Inc., 8604 Chancellor Row, Dallas, Texas 75247. Tel (214) 638-7007, Fax (214) 638-7286 .

2.2 PERMANENT GRANDSTANDS

A. Design: The design shall be in accordance with the accepted standards as published by The American Institute of Steel Construction and The Aluminum Association.

B. Design Loads:

1. Live Load: 100 psf gross horizontal area.
2. Perpendicular Sway Load: 10plf of seat plank.
3. Lateral Sway Load: 24 plf seat plank.
4. Wind Load: 30 psf vertical projection.
5. Live Load for Seat Tread Planks: 120 plf.
6. Guard Rail loads:
 - a. Vertical: 100plf.
 - b. Horizontal: 50 plf.

D. Shop Connections: Welded and capable of carrying stress put upon them as per AWS standards.

E. Steel Members:

1. Understructure frame: continuous steel angle, 2''x2''x3/16'', spaced 5'-0'' to 6'-0'' on centers.
2. Wide flange I-Beam for uprights and horizontal support.
3. Cross Bracing: steel angle bolted or welded in place or steel rod with adjustable turnbuckles.

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G. Standard AGI stadium descriptions;

1. Front walkway 66 inches width typical or designed to meet local and state codes.
2. Seat Height: 17 inches
3. Walkway Elevation: 30 to 48 inches
4. Aisle Width: 48 inches typical or to meet local and state codes.
5. GS8/25 and GS13/33: 8'' rise or 13'' rise for improved sight lines. 25'' tread depth or 33'' tread depth to accommodate seats with seat backs or stadium chairs. Other sizes per customer request.
6. Seats: 2 x 10. (optional 2 x 12)
7. Aisle Steps: typical 2 x 12 plank with contrasting nosing to delineate edge of step.
8. FootPlank and Riser design: Semi-closed deck and Fully closed deck design.

H. Guardrails:

9. Furnished on sides and back of bleachers and front of elevated bleachers. Top rail to be 42'' above foot tread of walkway and aisle and 42'' above seat planks that abutt the guardrail at the sides and back of bleachers.

10. Type of guardrail:

a.'' Vert I Rail''1 1/2''x 1/8'' hot rolled square steel top and bottom rail, 1/2'' 14 ga. square steel vertical pickets, 4'' o.c. with a powder coated finish.

I. Stairs and Ramps provided to meet all state and local codes.

J. Handicap Provisions:

1. Wheel Chair areas will be provided in accordance with specified codes and the American's with Disabilities Act for wheel chair accessibility.

F. Extruded Aluminum.

1. Seat plank, stanchions and backrest: aluminum alloy 6063-T6-clear anodized 204RI or optional powder coated finish. Colors per customer request.
2. Tread plank: aluminum alloy 6063-t6, mill finish.
3. Riser plank: aluminum alloy 6063-T6, mill finish with optional powder coated color.
4. End caps: aluminum channel type, hold down clips: aluminum alloy 6063-T6, mill finish.

PART 3-EXECUTION

3.1 Installation

- A.** All work performed by factory-trained technicians experienced in bleacher seating installation.
- B.** Projects as per approved shop drawings.

3.2 Concrete Foundation

A. Foundation: Footing and piers for grandstands shall provide sufficient bearing at bottom to support loads of the stadium. Design of the footings shall be determined by soil conditions. Concrete shall attain working strength of 3,000 lbs. psi.