January, 2006

SPECIFICATION

PREFERRED SEATING

CHAMPION SEAT RISER MOUNT

SECTION 1: GENERAL SPECIFICATIONS

1.1 SCOPE OF WORK: Deliver and install specified riser mounted stadium chairs with center and aisle standards, armrests, decorative end panels, with seat lifting to a full ¾ upright uniform position when not occupied. Provide wheelchair spaces provided in compliance with ADA requirements.

1.2 ACCEPTANCE AND STUDY OF WORK ON SITE: A seating layout plan of the site is required. Defects in the risers which may influence the satisfactory completion and performance of the seating work will be corrected prior to the beginning of seating work

1.3 FIELD MEASURE TO VERIFY: Take field measurements to verify finished dimensions and make necessary adjustments to shop drawings to reflect the actual field conditions.

1.4 SEATING LAYOUT: The complete seating plan developed from the contract drawings shall show the location of all chairs, sizes, wheelchair locations, aisle locations and alignment, and installation details. Assume complete responsibility for accuracy of all chair measurements shown on the seating plan.

1.5 QUALITY REQUESTS: Fully operational for strength, comfort and design, ergonomically confluent seat contour for proper posture alignment.

BASE SPECIFICATION:

SPECIFIED	FIXED CHAIR
Preferred Seating	Champion Seat Riser Mount

1.6 APPROVALS
Any manufacturer that has prior approval must meet the specifications as written, no deviations.

1.7 BIDDERS RESPONSIBILITIES: The bidder shall provide the following with his bid:
Minimal requirement:

a. A complete set of descriptive literature showing the model of chair proposed, including dimensional details.

b. A complete set of specifications.

c. Complete seating layout.

1.8 DELIVERY: Deliver the seating at jobsite for timely installation with the other trades in the facility.

1.9 WORKMANSHIP AND MATERIALS:

a. All new materials of colors and designs as specified.

b. Sign off completed work to the owner in undamaged condition.

c. Provide highest quality to the owners of workmanship in skilled labor and materials to complete job.

2.0 WARRANTY:

a. Preferred Seating warrants the Champion Riser Mount Stadium Seat for a period of five years from the date of shipment against manufacturing defects at the time of completion and signoff of job.

b. Replacements or repairs of the Champion Riser Mount Stadium Seat due to defects in manufacturing or materials are fully covered in this warranty. Normal deterioration of products due to weather, wear and tear, or other causes that do not affect functional use are not covered by Preferred Seating. Improper installation, assemblage, accidental incidents, abuse and vandalism are not covered in this warranty.

c. All warrantee problems must be arranged through Preferred Seating and have a warrantee authorization number before Preferred Seating sends a crew out to replace/repair any problem that may occur.

SECTION 2: MATERIAL SPECIFICATIONS

2.1 PLASTIC COMPONENTS:

a. High density injection molded plastic shall be one-piece, high impact, linear polyethylene with built-in ultra-violet light inhibitors to retard fading, and anti-static compounds to retard dirt attraction. Solid polypropylene is stronger (no break, no tear) and more resistant to fading than hollow polyethylene blow molded plastic.

b. Plastic shall have a maximum burn rate of 1" per minute when tested in accordance with ASTM D635, or Department of Transportation Motor Vehicle Safety Standard No. 302.

c. The component materials for this chair meet the requirements specified in this table: Plastic has impact resistant automotive grade application.

1. Tensile Strength: 4600 psi on aisle standards
   11,500 psi on protective hinge casing

2. Flexural Strength: no break IZOD factor of 15 on aisle standards
   15,000 psi on protective hinge casing

3. Melting Temperature: 320 degrees F on aisle standards
   550 degrees F on protective hinge casing

4. Flammability Rating: No flash point, no combustion on aisle standards
   No flash point, no combustion on protective hinge casing

d. Color as selected by the Architect

2.2 HARDWARE: All hardware used for assembling the seat will be rust resistant and stainless steel.

SECTION 3: CONSTRUCTION

3.1 CHAIR BACKS:

The chair back is built with solid injection molded polypropylene with maximum UV inhibitors. Seat is formed to fit the contour of the body when in the sitting position. Rear edge of the seat conforms to the curvature of the back. Seat has an overall back height of 29.25" high (743 mm). The textured grain is damage and scratch resistant. Seat back is available in solid or slat back.

The back is available in 22", 21", 20", 19" (559 mm, 533mm, 508mm, 483mm) widths center armrest to center armrest.

3.2 SELF-LIFTING SEAT:

a. Gravity assisted system with lifting seat hinge. The seat self lifts automatically to the ¾ - fold position, 100% if preferred, when unoccupied and rotates on two 5/16ths" high strength steel hinge rods. The seat shall be a torsion spring gravity assisted operation utilizing a 2 heavy teflon coated 8 gauge torsion spring system for quiet operation. Our outer enclosed automotive grade no break super tough nylon protective casing never wears out. The seat is available in 22", 21", 20", 19" (559 mm, 533mm, 508mm, 483mm), center armrest to center armrest. Seat will pass a 800 pound static test load at edge of seat. Seat is formed to fit the contour of the body when in the sitting position.

b. The seat shall also be certified to pass seat cycle oscillation testing, ASTM Designation F851-87 Test Method for Self-Rising Seat Mechanism, and sand bag testing.

3.3 STANDARDS:

Standards shall be 1 ¾" wide, "solid no break polypropylene". See chart for properties of no break polypropylene. They shall be fixed to the riser with 2 bolts or 4 bolts. At the base is a 6 ½" X 4 ¾" foot that is part of the mold. No break plastic is corrosion and chemical resistant. The flexural modulus shall be 80,000 per square inch. It has no break characteristics and will flex to adjust to site conditions. All end standards shall have an optional decorative end panel of no break plastic polypropylene.

3.4 ARMRESTS:
Armrests shall be constructed of high impact injection molded no break polypropylene to compliment the seat design. Cupholders optional, attached to back of seat or on armrests.

3.5 NUMBER AND LETTER PLATES: Number or letter plates, riveted, 2 ¾" by 1 ¾",
shall be provided as shown on the approved seating layout. Optional, adhesive backs. The number plates shall be secured to the seat back by 4 rivets. Letter plates, 4" diameter, will be secured to the decorative end panel by two pins. Attaching hardware will match the plate finish. Optional, adhesive backs.

SECTION 4: EXECUTION

4.1 SCOPE OF WORK: Installation work to be performed by factory trained professional personnel engaged in installation of seating for minimum of 5 years under the direction of a capable installation superintendent, in a manner satisfactory to the Architect, and the job turned over to the owner with all chairs complete and ready to use.

4.2 METHOD OF INSTALLATION: The seating layout shall be reproduced on the risers or floor and all dimensions checked against the approved seating plan with necessary adjustments made in the layout for all discrepancies

Chairs shall be attached to the risers by means of an approved lead shield expansion bolts. Riser mount chairs shall be attached with 3/8" double lead expansion bolts not less than 3" long. Two (2) bolts per standard acceptable.

4.3 CLEANING: Remove all debris caused by this work from the premises.