## PART 0 DESIGN STANDARDS

### 0.01 GENERAL DESIGN GUIDELINES

A. Architect shall coordinate seating locations, both in folded and deployed condition with game and athletic court line painting and size requirements. Provide minimum 5' safety zone beyond court.

B. Architect shall coordinate with the DPS Project Manager, the required seating capacities for each type of school listed below, as the specific requirements will vary by type and location:

C. Architect shall coordinate any power requirements with the electrical engineer. Any telescoping seating over six rows high (7 or more) shall be powered.

D. Pool areas shall have aluminum framing only, and seats made of plastic or aluminum, and will be only manually operated.

E. Architect shall coordinate school colors and logos (where available) with that of standard options for seating.

F. Architect shall coordinate ADA requirements with telescoping seating.

G. Seating shall be lockable in its folded and open configuration to avoid accidental deployment or tampering. Partial deployment of rows shall not be allowed.

H. Locks shall be keyed and allow for replacement cylinders.

I. Architect shall coordinate anchor methods with substrate and finished flooring materials as well as wall anchorage with framing and materials. Provide reinforcement details where substrate is otherwise inadequate for anchorage.

J. Architect shall confirm requirements for aisles with the Denver Building Department.

K. Architect shall coordinate doors into the space that is to have the telescoping seating, providing removable mullions and proper height to allow for delivery and installation.

L. Portable seating shall have a maximum height of 6'-6".

## PART 1 GENERAL

### 1.01 QUALITY ASSURANCE

A. Manufacturer shall be regularly engaged in the design and manufacture of telescopic seating for not less than ten years.

B. Seating shall conform to all applicable code requirments.

## PART 2 PRODUCTS

### 2.01 FABRICATION

A. Pre-assemble components in shop as much as possible to minimize field assembly.

B. Design loads per industry standard and meeting all applicable codes for live loads and both horizontal and perpendicular sway forces.

C. All welds shall be shop welded by certified welders conforming to AWS Standards- no field welding permitted.

D. All required end caps, nosings, and risers shall be provided for a finished application that has no sharp edges.

E. All motorized units shall have a removable pendant operation switch at the base of the first row.

### 2.02 MANUFACTURERS

A. Interkal

B. The Folding Bleacher Company

C. Irwin Seating Company

D. Jack K Elrod Company, Inc.

E. Hussey

**2.03 MATERIALS**

A. Structure

1. Steel
2. Aluminum

B. Seating

1. Plastic
2. Vinyl clad aluminum
3. Aluminum
4. Wood seating is prohibited.

C. Floor Planking

1. Polyethylene plastic
2. Aluminum
3. Steel
4. Wood

**2.04 ACCESSORIES**

A. Rollers shall be non marking type with locks.

B. Safety end rails

1. Self-storing

C. Aisle Center Rails

1. Folding and self storing

D. Intermediate steps

E. Removeable Timer's Table

F. Vinyl Side Curtains

G. End panels and filler boards

H. Row Identification markers

I. Seat numbers

J. Back Rails and panels

K. Front rails.

**PART 3 EXECUTION**

**3.01 INSTALLATION**

A. Attachment to masonry or steel structural frame only. Blocking is not acceptable. Use of plastic anchors is not acceptable.

**3.02 SPARE PARTS**

A. Provide spare parts in quantity and in accordance with manufacturer's recommended list to include but not limited to:

1. Keys (6 each)

2. Locks (6 each)
3. Hand Held Power Operator (Pendant Switch) – (1)
4. Rollers (6 each – if pairs, provide 6 pairs)
5. Seats (6 each)

**END OF SECTION 12660**