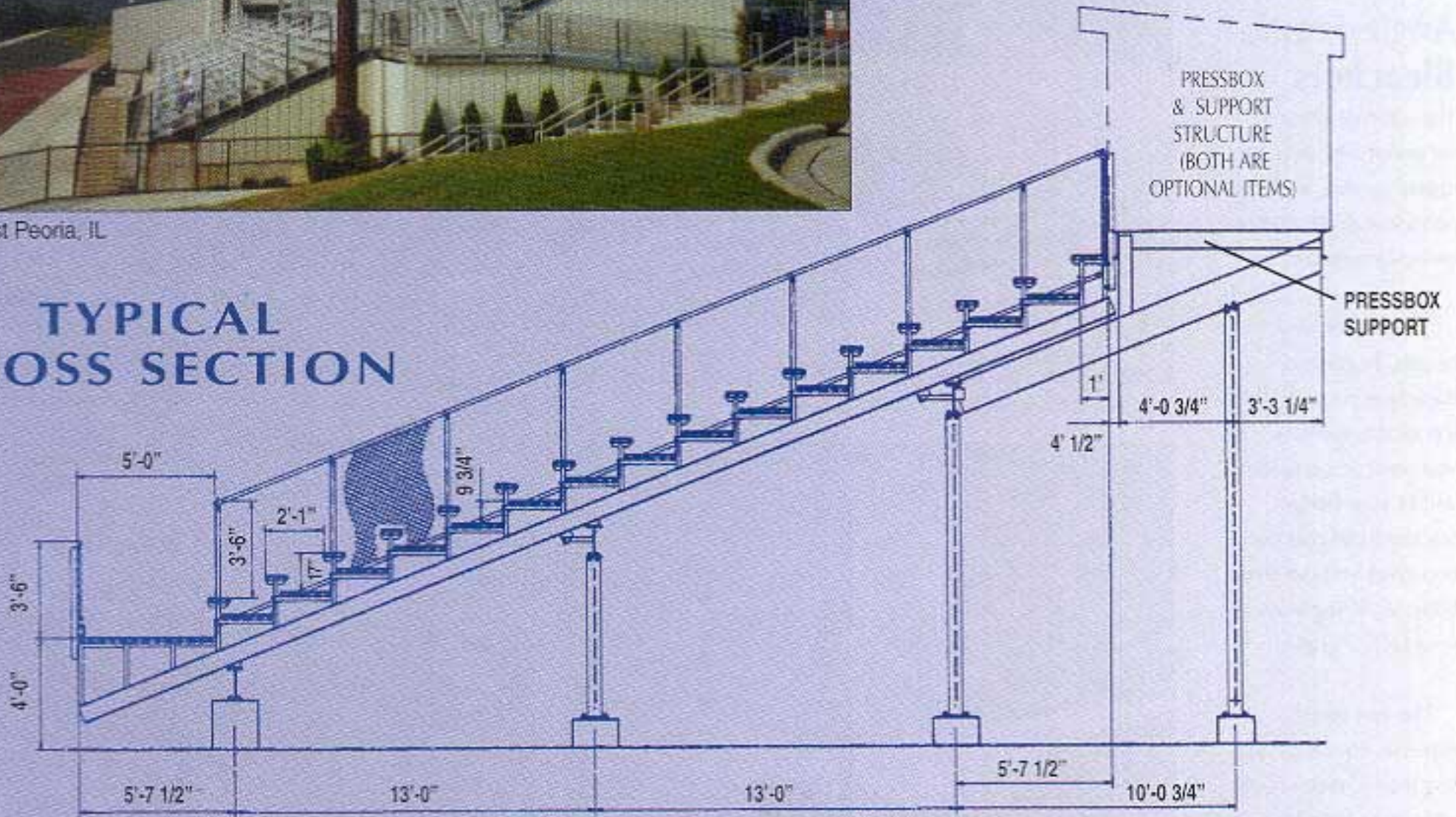




East Peoria, IL

TYPICAL CROSS SECTION



6. Type R33 Stand: Closed Deck, Tongue & Groove or Interlocking Deck.

I. Guardrail: Furnish at all sides of bleacher, entry stairs, ramps, portals, and landings. Material shall be anodized aluminum pipe with end plugs at ends of straight runs and elbows at corners. Secure to angle rail risers by galvanized fasteners. Top rail shall be 42 inches above walkways and entrances and 42 inches above the center of any adjacent seat. Include on sides and back 9 gauge galvanized chain link fencing fastened in place with galvanized fittings and aluminum ties.

J. Stairs: Stairs: 2 by 12 aluminum or wood tread with maximum of 7 inch rise and 4-line guardrail or conforms with applicable codes.

K. Press-Box: Furnish press box support structure behind grandstand. Furnish standard size press box supports 8 feet wide by 16 foot increments. (Contact Sturdisteel for complete press box specifications.)

L. Handicap Provision: Incorporate ramps and wheelchair spaces within permanent grandstand system in accordance with applicable code requirements and ADA.

2.03 MATERIALS

A. Steel: ASTM A36.

B. Aluminum: Extruded alloy 6063-T6.

C. Lumber: No. 1 stadium grade, Southern Pine, Wolmanized, kiln dried.

D. Foundation Concrete: Minimum compressive strength of 3000 psi at 28 days.

E. Accessories:

1. Steel Bolts and Nuts:

a. Steel Connections: ASTM A307, galvanized.

b. Aluminum Components: ASTM A307, cadmium plated.

2. Hold-Down Clip Assembly: Aluminum alloy 6063-T6.

3. End Caps: Channel aluminum alloy 6063-T6.

2.04 FINISHES

A. Steel:

1. Galvanized: Hot-dipped galvanized after fabrication in accordance with ASTM A123.

B. Aluminum:

1. Anodized: Seat planks, backrests, stanchions and KAL-100 Chair, clear anodized 204R1, AA-M10C22A31, Class II. Powder coat or Baked Enamel finish. (also available)

2. Mill Finish: Aluminum footboards and riser boards.

PART 3 EXECUTION

3.01 FOUNDATIONS

A. Install either drilled pier or dug footing foundations as determined by local soil conditions. Total dead and live loads shall not exceed the allowable soil bearing pressure.

Seating Capacities (Gross seats based on 18" per seat)

Length	10 Rows	16 Rows	22 Rows	28 Rows	34 Rows
30'	200	320	440	560	680
48'	320	512	704	896	1,088
66'	440	704	968	1,232	1,496
84'	560	896	1,232	1,568	1,904
102'	680	1,088	1,496	1,904	2,312
120'	800	1,280	1,760	2,240	2,720
138'	920	1,472	2,024	2,576	3,128
156'	1,040	1,664	2,288	2,912	3,536
174'	1,160	1,856	2,552	3,248	3,944
192'	1,280	2,048	2,816	3,584	4,352
210'	1,400	2,240	3,080	3,920	4,760
228'	1,520	2,432	3,344	4,256	5,168
246'	1,640	2,642	3,608	4,592	5,576
264'	1,760	2,816	3,872	4,928	5,984
282'	1,880	2,990	4,136	5,264	6,392
300'	2,000	3,164	4,400	5,600	6,800

Gross vs. Net Seating: Above chart is based on Gross Seating Capacity. Net Seating Capacity will vary due to code requirements.

1. Drilled Piers: Extend minimum 5 feet below grade, unless solid rock is encountered.

2. Dug Footings: Extend minimum 2'-6" below grade.

3.02 INSTALLATION

A. Install permanent grandstands complete in accordance with manufacturer's written instructions and approved shop drawings.