



**SECTION 13125  
Grandstands and Bleachers**

**PART 1 GENERAL**

1.1 SYSTEM DESCRIPTION

- A. Design and fabrication of extruded vinyl bleacher covering system.

1.2 RELATED SECTIONS

- A. Section 12610 Fixed Audience Seating

1.3 SUBMITTALS

- A. Manufacturer's Product Data: Submit manufacturer's descriptive product data for project.
- B. Shop drawings will indicate bleacher system layout. Show seat height, aisle widths and locations, material types and dimensions and method of anchorage to supporting structure.
- C. Samples will be provided indicating materials and manufacturers standard colors.
- D. Maintenance manuals will be provided including standard warranty and documents.

1.4 QUALITY ASSURANCE

- A. Manufacturer's qualifications will be clearly indicated.
- B. Installer qualifications to be clearly indicated and installer be approved by the manufacturer.

1.5 DELIVERY, STORAGE AND HANDLING

- A. Deliver vinyl covering and accessories in manufacturer's packaging clearly labeled with contents.
- B. Handle seating product in a manner to prevent damage.

1.6 WARRANTY

- C. Manufacturer's limited 5 year warranty.

**PART 2 PRODUCTS**

2.1 MANUFACTURER AND PRODUCT

- A. Substitutions: Not permitted.
- B. Requests for substitutions will be considered in accordance with provisions of Section 01600.
- C. Product: Perma-Cap®

## 2.2 UNDESTRUCTABLE FABRICATION

- A. Existing 2' x 8', 2' x 10' or 2' x 12' wood benches and supports.

## 2.3 SEATING, TOP or COVER

- A. For wood core as shown, seat cover will be .090" thick extruded vinyl shape for interior use.
- B. The product shall be manufactured from principally rigid PVC, ASTM D-4216 class 1 433 33 00, and weathering properties and performance shall meet ASTM D-4216, section 11.
- C. Only support planks (core) and vinyl seat tops which are intended for use together will be used to create the final bench system.
- D. Shape to be fluted on top for slip resistance.

## 2.4 SHOP FINISHES

- A. Standard interior PVC finish on seat caps in choice of manufacturer's standard colors.
- B. Steel support brackets to be galvanized after fabrication, then powder coated in color selected by the Architect.
- C. Standard exterior PVC finish on seat caps in choice of manufacturer's standard colors.

## 2.5 ACCESSORIES

- A. End caps and joint covers are required.

## **PART 3 EXECUTION**

### 3.1 EXAMINATION

- A. Seating contractor to verify that area to receive vinyl cap is free of impediments or dimensional irregularities which might interfere with proper installation.

### 3.2 INSTALLATION

- A. Comply with bleacher covering manufacturer's recommendations for proper installation.

### 3.3 ADJUSTMENT AND CLEANING

- A. During and after installation make sure understructure and seat caps are properly sized and aligned to provide neat joints and uniform appearance.
- B. Clean bleacher covering after installation.

END OF SECTION

Before you begin installation, please read all instructions and inspect the wooden bleachers. Replace damaged or deteriorating lumber prior to capping. Perma-Cap is not intended for use over rotting or decaying wood.

### Step 1



Snap a length of Perma-Cap vinyl onto the bleacher, with the screw slots toward the back. First, hook the front edge of the vinyl cover over the bleachers and starting at one end, stretch the cover over the back of the board. Push down on the back of the cover until it snaps into place. Continue this process over the length of the cover.

### Note A



The Perma-Cap cover should snap easily over seat. On some bleachers, the support brace underneath may be mounted close to the front or rear edge of the seat. Do not try to fit the cover over the brace, the vinyl must be notched to fit.

### Step 2



If you need to notch the bleachers covers, start by aligning a piece of Perma-Cap in position. Use a felt tip marker to draw the cutting marks on the underside lip of the vinyl. Make the cut marks about 1/2 inch out from either side of the brace. Use ordinary tin snips to cut the vinyl along the lines.

### Note B



If needed, Perma-Cap bleacher covers can be cut to shorter lengths using tin snips, shears, or a circular saw with a fine tooth plywood blade.

### Step 3



Push the Perma-Cap cover toward the playing field, so it is flush against the back of the bleacher. Snap a plastic spacer into the center of the screw slot. Drive a screw through the spacer.

### Note C

Whenever Perma-Cap is installed over wood planks, the cover should be ordered with screw slots, which are 2 foot apart. Whenever Perma-Cap is used over Perma-Plank or aluminum planks, the covers should be ordered without screw slots.

### Step 4



Do not screw the cover tight against the board. They must be able to move freely allowing the cover to expand and contract with temperature changes.



The spacer will help you gauge how far to drive the screw.

### Step 1



When installing Perma-Cap covers end to end, leave at least a 1" gap. Use a Joint Cover to finish the cap.

### Step 2



Start with one end of the seam cover and hook the lower lip under the Perma-Cap at the back of the bleacher.

### Step 2a



Pull the other end of the Joint Cover over the front edge of the cap until the lower lip snaps underneath the bleacher.



Secure the seam cover to the wood plank by driving a single screw through the holes in the Joint Cover.

### Note D



The end caps are manufactured with 4 taps on the inside of the cap. These are used for aligning the cap onto the Perma-Plank steel.



When covering either wood or aluminum planks, these taps must be removed.



This is easily done by simply using a pair of pliers by prying back and fourth until they snap off.

### Step 7



Slide the end caps over the end of the bleacher and secure with a screw, front and rear as shown.