



04 February 2016

Lori Ade, Dir. of Buildings & Grounds
Pana CUSD #8
14 E. Main Street
Pana, IL 62557

Re: Bleacher Inspection for Pana CUSD #8
BLDD Project No.: 151EF27.200

BLDD Architects, Inc. conducted an inspection of the Pana High School and Junior High School indoor and outdoor bleachers. The following information is based on the conditions at the time of the inspection and is subject to change. This Bleacher Inspection includes the inspection of all indoor and outdoor bleachers, the operation of the indoor telescoping bleachers (from stored to fully extended), checking the condition of the substructure (angle iron, fasteners and attachments, rollers and operators), the condition of the seat boards, foot boards, supports, connections, handrails and steps. The result of the inspection is as follows:

Pana High School Football Field Bleachers

1. The "Home" side bleachers located on the east side of the football field consists of a fixed, 7-row aluminum bleacher system. (See photos A1 – A11).
 - a. The west railing at the bottom of the ramp is loose. Tighten railing to prevent movement (Image A-5).
 - b. The gap between the top of the ramp and the walkway is excessive. It is recommended that the ramp be adjusted to fit tight against the bleacher or a metal closure strip be installed to eliminate the gap (Image A-6).
 - c. There is a loose walkway foot-board in the main walkway in front of the north wheel chair seating area.
 - d. There are two openings, one near the north end of the press box and the other near the south end of the press box that exceed the 4" Rule " *any opening that is located more than 30" above grade, shall be provided with intermediate construction such that a 4-inch diameter sphere cannot pass*" (See Images A-7- A-9).

(844) 784-4440



201 E. Grove St., Suite 300
Bloomington, IL 61701

17 E. Taylor St.
Champaign, IL 61820

833 W. Jackson, Suite 100
Chicago, IL 60607

5183 Utica Ridge Rd.
Davenport, IA 52807

100 Merchant St.
Decatur, IL 62523



2. The "Visitor" bleachers consist of one (10) row aluminum bleacher system and three (5) row steel frame with wood seats and wood foot board bleachers (Images A12- A16).
 - a. 10- Row Aluminum Bleacher: (Images A-12 - A-14)

No apparent Issues were observed, however not all bottom frame rails were able to be inspected due to storage of barrels below the bleacher and leaves covering a portion of the rails
 - b. (3) 5-Row Steel frame bleachers with wood seats: (Images A-15 – A-16)

No apparent issues were found.
3. The north end zone bleachers consist of two (2) fixed, 5-row aluminum bleachers and one (1) steel frame (5) row bleacher with wood seats and wood foot boards. (Images A21 – A27).
 - a. The steel frame with wood seats and wood footboard bleacher is sitting on uneven ground and has been cribbed up with stacked wood blocking. (Images A22 and A23). Fill should be placed and compacted to provide a stable, level base for the bleachers to rest on.
 - b. Replace any cracked or damaged wood seats or foot boards.
 - c. Addition of intermediate supports to the wood seats and foot boards is recommended.
 - d. No issues were found with the aluminum bleacher system.
4. The south end zone bleachers consist of two (2) fixed, 5-row aluminum bleachers and two (2) steel frame (5) row bleacher with wood seats and wood foot boards. (Images A27 – A29)
 - a. Addition of intermediate supports to the wood seats and foot boards is recommended.
 - b. The two sets of aluminum bleachers are sitting tight together, but are not level or even with each other resulting in a potential trip hazard transitioning from one set to the other. (Image A28).
 - c. One seat end cap is missing on the east set of aluminum bleachers.



Pana Jr High School Baseball Field Bleachers

1. The baseball field bleachers consist of Three (3) fixed, 5-row steel frame bleachers, with wood seats and wood foot boards. (Images A30- A36).
 - a. The first base line bleachers are out of level. Re-set bleachers to level.
 - b. Replace any cracked or damaged wood seats or foot boards.
 - c. The addition of intermediate supports to the wood seats and foot boards is recommended.
 - d. The third base line bleachers are sitting directly on grade with no wood sleepers, and the bottom rails have become partially submerged. Install wood sleepers.

Pana High School Gym Bleachers

1. The High School Gym bleachers consist of five (5) sections, seventeen (17) rows high on the south side and eighteen (18) rows high on the north side. Both sides are electrically operated telescoping bleachers. It is recommended that all moving parts be cleaned and lubricated. (Images A37-A38).
 - a. Replace all worn anti-skid strips on bleacher Steps.
 - b. Lubricate all moving parts.

Pana High School Practice Gym Bleachers

1. The High School practice Gym has five (5) fixed bleachers. They consist of one (1) section, four (4) rows high. (Images 39-41).
 - a. Two of the portable bleachers have bent posts at the bottom seat row, resulting in un-level seats at the bottom row. (Image-40)
 - b. Replace all bent / damaged seat board end caps. (Image-41).

Pana Junior High School Gym Bleachers

1. The Junior High School Gym is electrically operated telescoping bleachers. They consist of four (4) sections, twelve (12) rows high. (Images 42-44)
 - a. Clean and lubricate all moving parts.



2. East Side: (Image A-42)

- a. One Anchor bolt at the upper support / attachment to the masonry wall is installed in a void / crack in the block wall. The anchor should be relocated to provide positive anchorage and support of the bleacher structure. (Image A-44)
- b. Tighten loose guardrail bolt at south end 3rd guardrail section up from the bottom.

NOTE: It is required for bleachers to comply with the codes in force at the time they were installed, however it is recommended in the interest of public safety that all existing bleachers be brought into compliance with the most current codes.

The owner is responsible for assuring that any corrective repair work required is done to bring the deficiency into compliance. This report does not provide complete documentation for repair or methods.

Please feel free to contact me if you have any questions at 217-429-5105.

Sincerely,

BLDD Architects, Inc.
Decatur, Illinois

A handwritten signature in black ink, appearing to read "John S. Whitlock". The signature is stylized and written in a cursive-like font.

John S. Whitlock, AIA
Principal

cc: file



IMAGE A-1
DATE: 02/04/16
Football Field - Home Bleacher



IMAGE A-2
DATE: 02/04/16
Football Field - Home Bleacher



IMAGE A-3
DATE: 02/04/16
Football Field - Home Bleacher

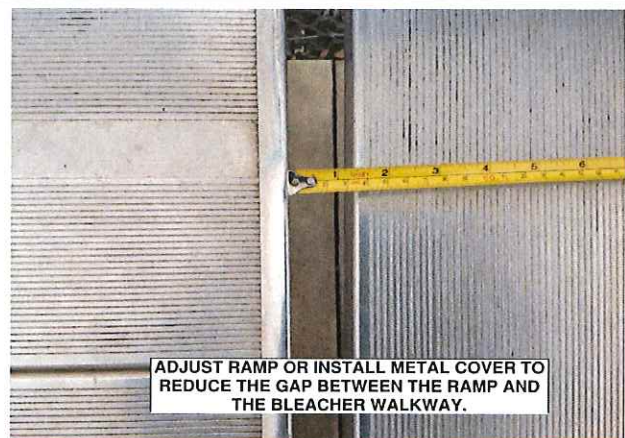


IMAGE A-4
DATE: 02/04/16
Football Field - Home Bleacher



TIGHTEN GUARDRAIL POSTS ALONG RAMP.

IMAGE A-5
DATE: 02/04/16
Football Field - Home Bleacher



ADJUST RAMP OR INSTALL METAL COVER TO REDUCE THE GAP BETWEEN THE RAMP AND THE BLEACHER WALKWAY.

IMAGE A-6
DATE: 02/04/16
Football Field - Home Bleacher

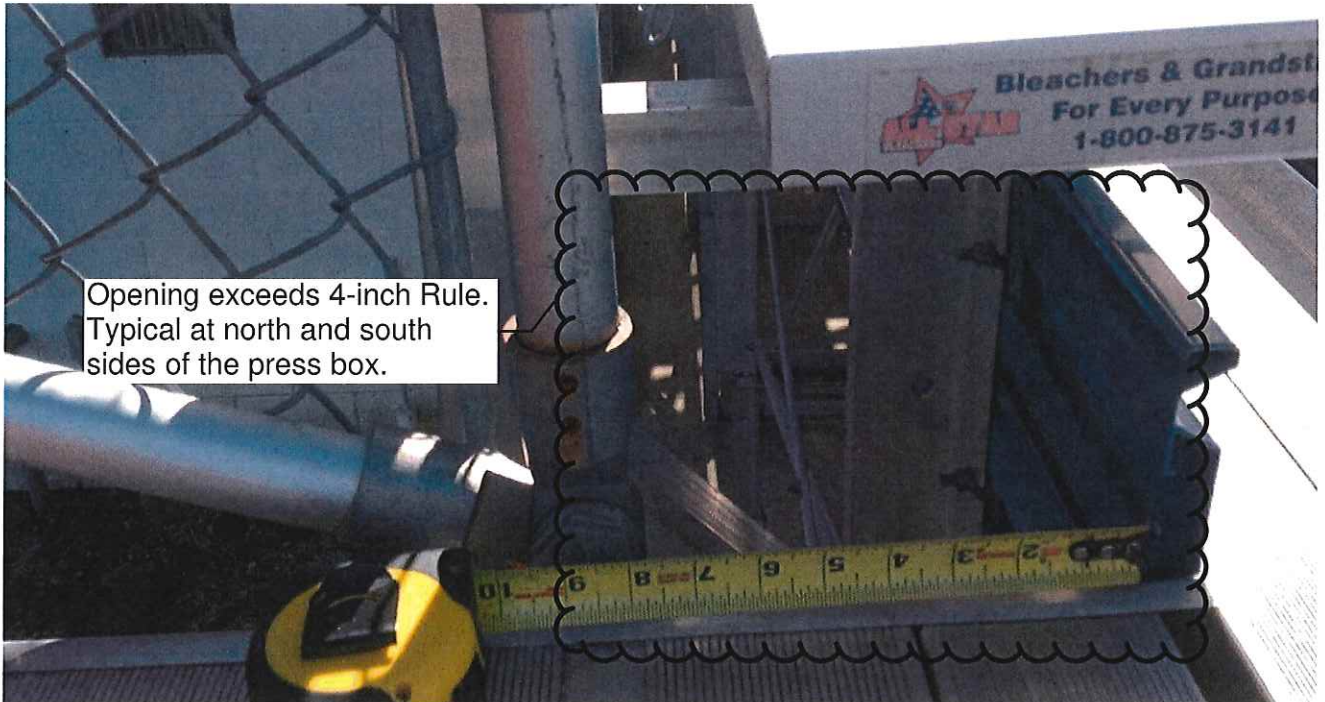


IMAGE A-7
DATE: 02/04/16
Football Field - Home Bleacher

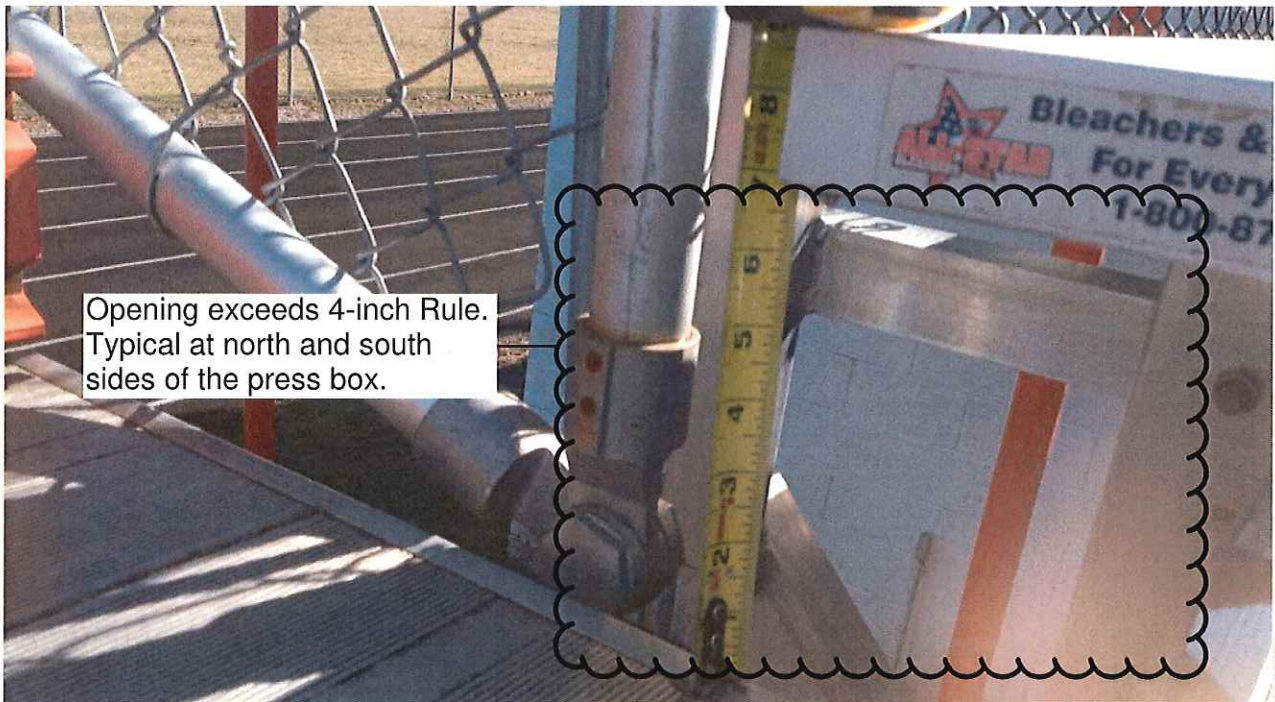
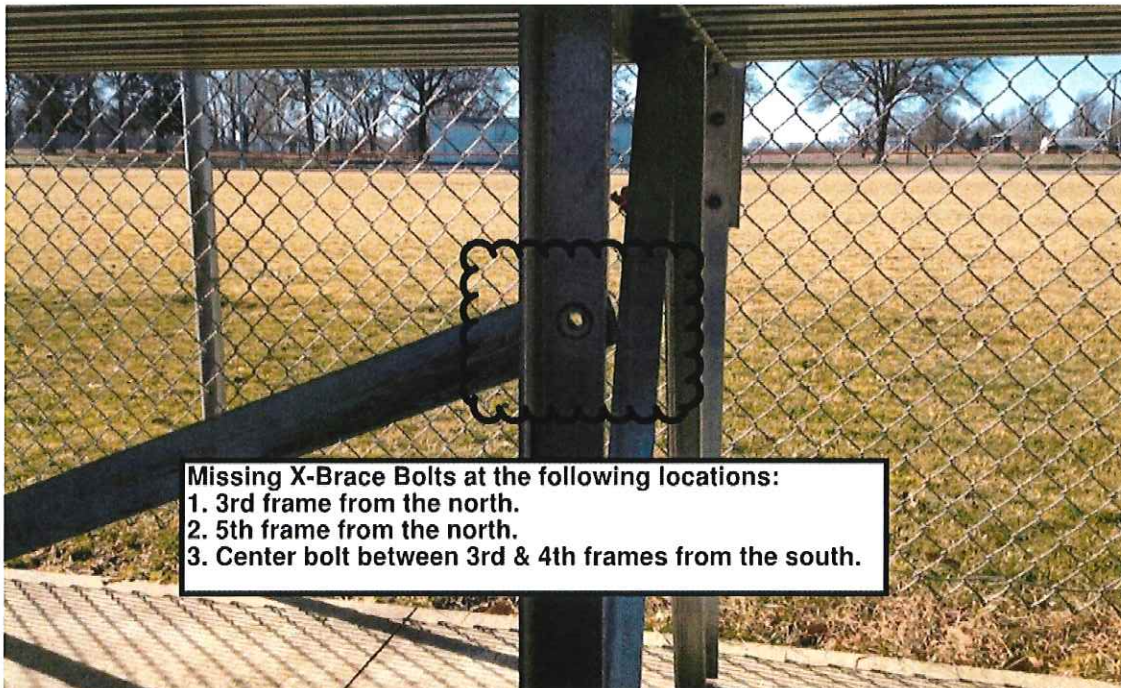


IMAGE A-8
DATE: 02/04/16
Football Field - Home Bleacher



Location of openings
exceeding the 4" Rule.
Similar at the south side.

IMAGE A-9
DATE: 02/04/16
Football Field - Home Bleacher



Missing X-Brace Bolts at the following locations:
1. 3rd frame from the north.
2. 5th frame from the north.
3. Center bolt between 3rd & 4th frames from the south.

IMAGE A-10
DATE: 02/04/16
Football Field - Home Bleacher

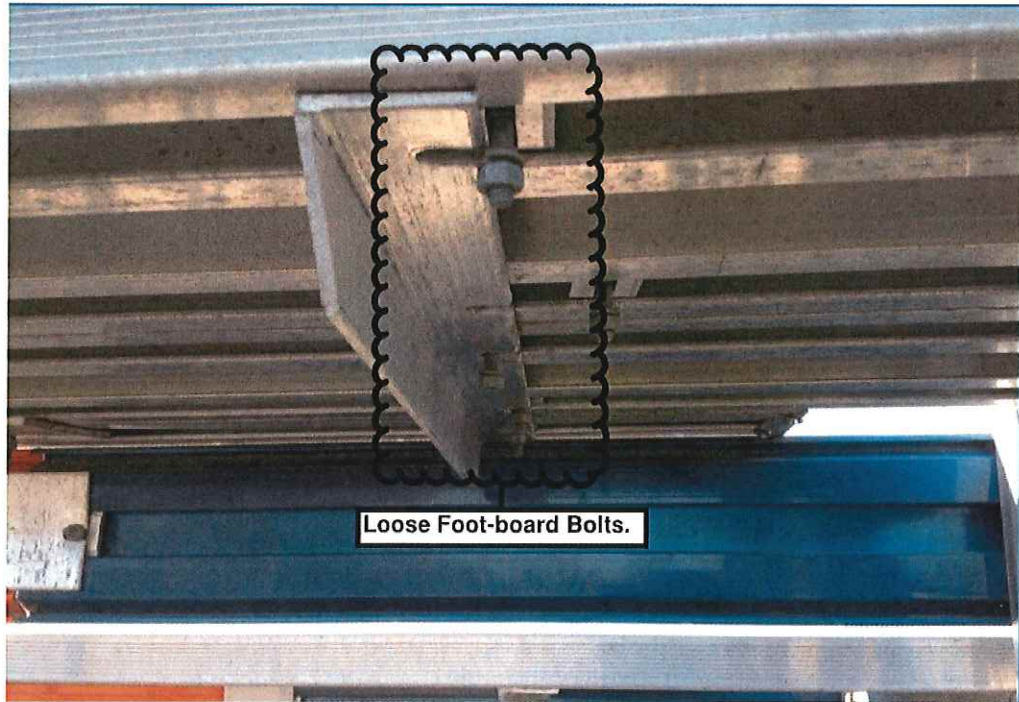


IMAGE A-11
DATE: 02/04/16
Football Field - Home Bleacher



IMAGE A-12
DATE: 02/04/16
Football Field - Visitor Bleacher



IMAGE A-13
DATE: 02/04/16
Football Field - Visitor Bleacher



IMAGE A-14
DATE: 02/04/16
Football Field - Visitor Bleacher



IMAGE A-15
DATE: 02/04/16
Football Field - Visitor Bleacher



IMAGE A-16
DATE: 02/04/16
Football Field - Visitor Bleacher



IMAGE A-17
DATE: 02/04/16
Football Field - North Bleacher



IMAGE A-18
DATE: 02/04/16
Football Field - North Bleacher



IMAGE A-19
DATE: 02/04/16
Football Field - North Bleacher



IMAGE A-20
DATE: 02/04/16
Football Field - North Bleacher



IMAGE A-21
DATE: 02/04/16
Football Field - North Bleacher



IMAGE A-22
DATE: 02/04/16
Football Field - North Bleacher



IMAGE A-23
DATE: 02/04/16
Football Field - North Bleacher



IMAGE A-24
DATE: 02/04/16
Football Field - North Bleacher



IMAGE A-25
DATE: 02/04/16
Football Field - North Bleacher



IMAGE A-26
DATE: 02/04/16
Football Field - North Bleacher



IMAGE A-27
DATE: 02/04/16
Football Field - South Bleacher



IMAGE A-28
DATE: 02/04/16
Football Field - South Bleacher



IMAGE A-29
DATE: 02/04/16
Football Field - South Bleacher



IMAGE A-30
DATE: 02/04/16
Baseball Field - 1st Base Line Bleacher



IMAGE A-31
DATE: 02/04/16
Baseball Field - 1st Base Line Bleacher

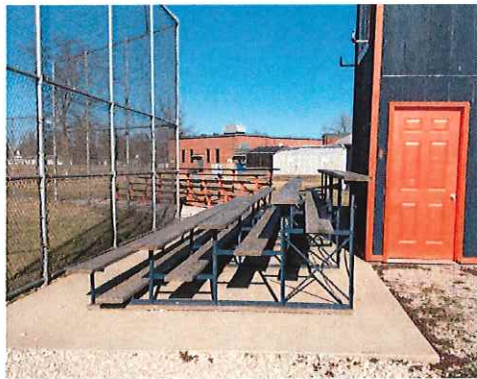


IMAGE A-32
DATE: 02/04/16
Baseball Field - Home Plate Bleacher

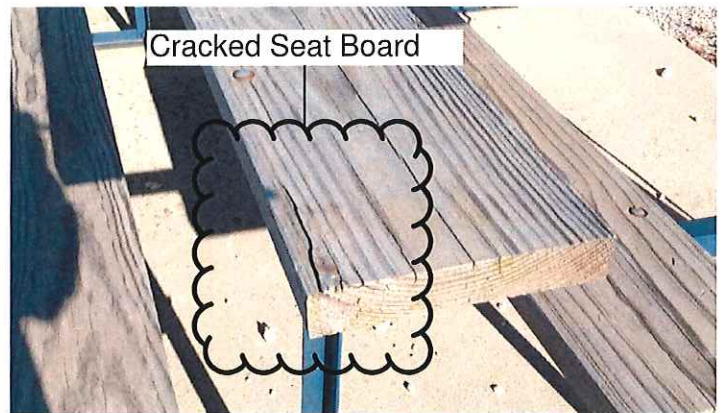
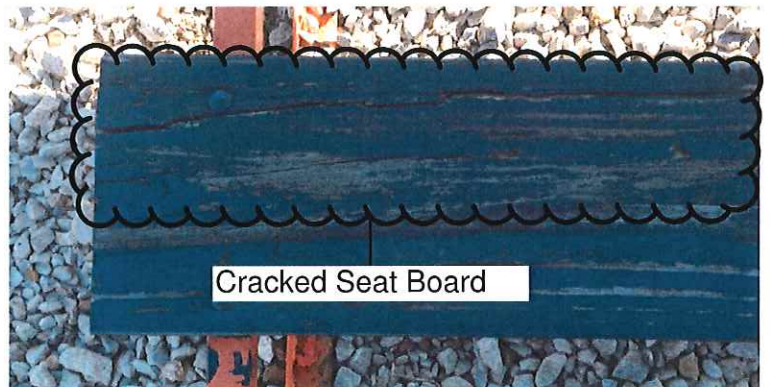
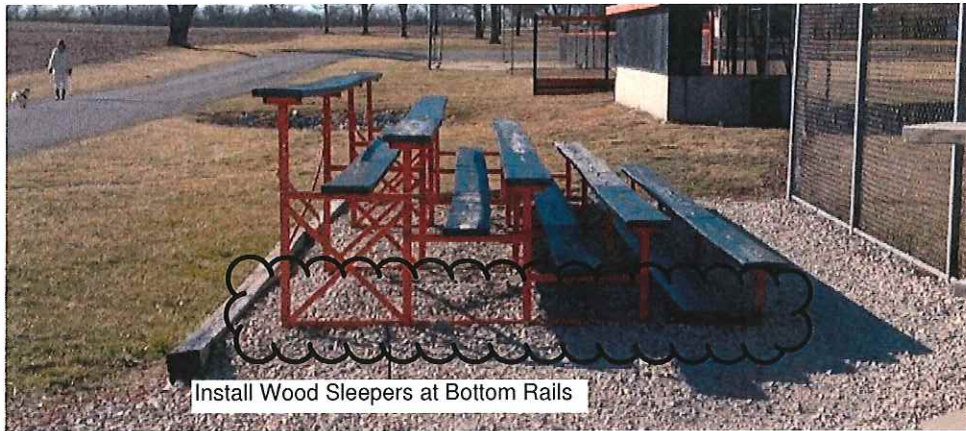


IMAGE A-33
DATE: 02/04/16
Baseball Field - First base Line Bleacher





Install Wood Sleepers at Bottom Rails

IMAGE A-34

DATE: 02/04/16

Baseball Field - Third Base Line Bleacher



IMAGE A-35

DATE: 02/04/16

Baseball Field - Third Base Line Bleacher



IMAGE A-36

DATE: 02/04/16

Baseball Field - Third Base Line Bleacher



IMAGE A-37
DATE: 02/04/16
High School Gymnasium South Bleacher



IMAGE A-38
DATE: 02/04/16
High School Gymnasium North Bleacher

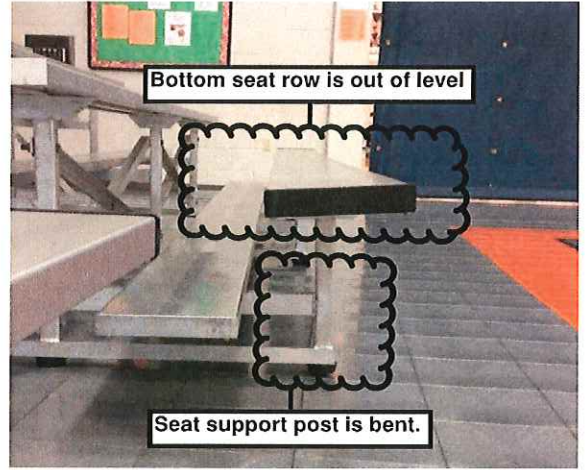


IMAGE A-39
DATE: 02/04/16
High School Practice Gymnasium Portable Bleachers



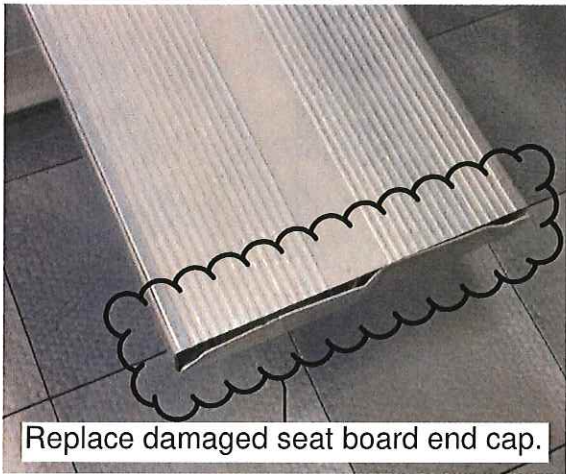
IMAGE A-40
DATE: 02/04/16

High School Practice Gymnasium Portable Bleachers



Bottom seat row is out of level

Seat support post is bent.



Replace damaged seat board end cap.

IMAGE A-41
DATE: 02/04/16

High School Practice Gymnasium Portable Bleachers



IMAGE A-42
DATE: 02/04/16

Jr. High School Gymnasium Bleachers -East Side



IMAGE A-43
DATE: 02/04/16

Jr. High School Gymnasium Bleachers -West Side

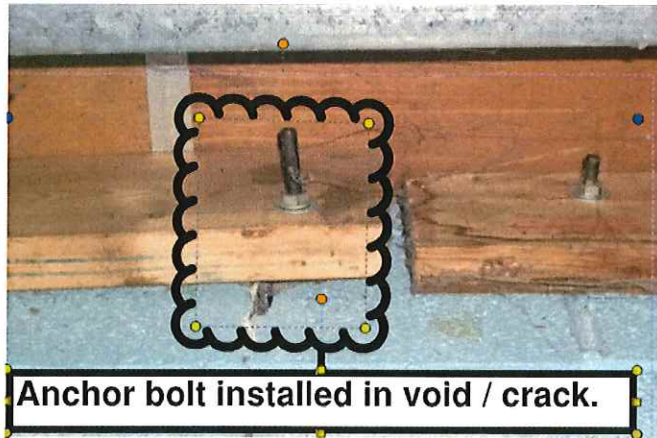


IMAGE A-44
DATE: 02/04/16

Jr. High School Gymnasium Bleachers -East Side