

BULTE COMPANY

REPORT OF INSPECTION – FIXED WOOD BLEACHERS

Inspection Date:	Staunton High School	Inspected By:
Facility:	Old Gym	Bill & Courtland
Location:	801 N. Deneen Staunton, IL 62088	Bulte Company
Sent to:	Brian Dustman	Technicians

The **BLEACHER SEATING** has been inspected and was **NOT** found to be in safe working order. The inspection was completed per 2016 NFPA 102, Chapter 5 guidelines.

The following investigative actions were taken on the older wood structure bleachers:

1. The visual inspection and walk through of the bleachers overall indicate a very worn condition of the wood, several damaged components, and a design that is not compliant with access, egress and safety guidelines.
2. The seat plank, riser and footboard condition and attachment were checked.
3. The elevated walkways were inspected for condition and safety.
4. The guardrail configuration and attachment were checked.
5. The steps were inspected for condition and safety.

The following items need further attention:

1. There are cracked seat planks (1) Row 2, (2) Row 3, (1) Rows 4,5,6 (2) Row 9. These planks need replacement.
2. There are unlevel and damaged footboards and one sheet metal patch, which are trip hazards. The wood is worn, the understructure is failing which allows the foot boards to sag. The floor structure is not all together safe and should be replaced.
3. The double guardrails above the doors are 44"h but the side rails are only 36"h. These rails should be 42"h above the footboard and all openings/gaps must be smaller than a 4" sphere. There must be fence/picket/screen on the guardrails. Closure material shall be securely attached to the top and bottom rail.
4. The rails at the elevated walkway should meet the same requirements noted above. They are currently open double rails.
5. Many of the steps have wood that is worn and deteriorating on the front edges creating a slip/ fall safety hazard. The step planks need to be replaced.
The steps should have textured tread tape at the front edge of the steps for slip safety and vision.
ICC Code Advisory 504.4 Tread Surface: Consider providing visual contrast on tread nosing's, or at the leading edges of treads without nosings, so that stair treads are more visible for people with low vision.
6. The steps currently do not have handrails, however the aisles are not wide enough to accommodate them.
7. The lower landing steps are not sufficient depth or width.
8. The walkway step transition has an intermediate step that creates a depressed section in the walkway. This is an unsafe trip/fall hazard.
9. The front partition at the walkway has a sill plate that is cracked and has exposed sharp wood edges, concrete and bricks which are unsafe. This cap must be repaired and enclosed.

If reconstruction is attempted to repair the front walkway and the step issues, it technically is required to widen the front walkway and steps to meet egress codes. ADA accessibility compliance would also factor into the reconfiguration making it impossible to stay within the same footprint. And the other issue that would likely arise doing modifications to the bleachers to make them safe is that because of the amount (%) of work required it must now meet code as an egress to/from the adjoining 2nd floor corridor doors used at the top of the bleachers.

Therefore, it is recommended to remove the wood bleacher structure, clear the area and install standard bleachers and build separate stairways to the 2nd floor.

A copy of the inspection report is attached as well as a photo CD of the bleachers inspected.
Please feel free to call with questions.


Sincerely,

Bill Peters
BULTE COMPANY, INC.

6225 Manchester Avenue St. Louis, MO 63139 314-646-1119

BULTE COMPANY

FIXED WOOD BLEACHER INSPECTION

Job Name: Staunton High School Location: Old Gym Contact: Brian Dustman Bleacher Manufacturer: Type & Size: Fixed Wood Rise/Tread: 17" / 24" Approximate Age: Original	Date of Inspection: 10-3-18 Inspection by: Bill & Courtland	 Bulte Company <small>Athletic & School Equipment Sales & Service</small> 6225 Manchester Ave. 314-646-1119 St. Louis, MO 63139 314-646-7385 fax
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Bank Size: 54' - 4" Bank No: 1 Rows: 9 Sections: 1	<input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	Satisfactory Repaired Needs Repair
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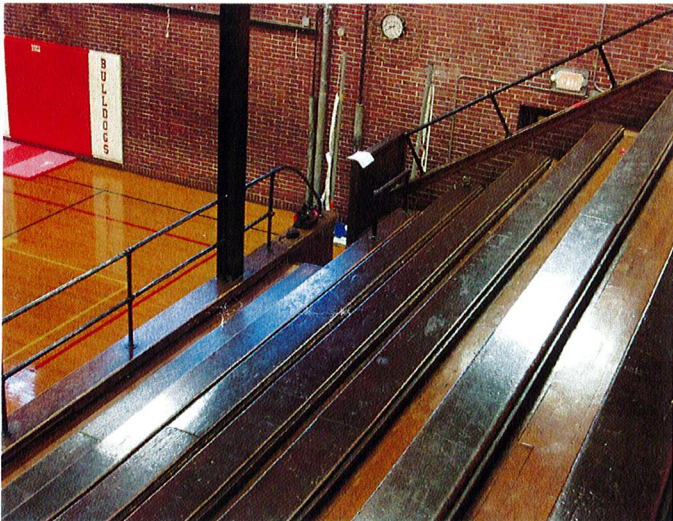
		Issue	Specify Action - Needed or Taken
1. General			
Visual inspection and walk through of bleachers	<input type="checkbox"/>	The bleacher structure is very worn, has a number of broken components and is not compliant with design for access, egress and safety issues	Reconstruction is recommended
2. Seating and Other Surfaces			
Check that seating is secure and undamaged	<input type="checkbox"/>	Cracked seat planks (1) Row 2, (2) Row 3 (1) Rows 4,5,6, (2) Row 9	(8) Seat planks need replacement
Check that risers are secure and undamaged	<input checked="" type="checkbox"/>		
Check that footboards are secure and undamaged	<input type="checkbox"/>	Front walkway is sagging Damaged foot boards & sheet metal patch	Understructure needs to be re-built Foot boards need replacement
Check that splices are secure and level	-		
3. Accessories			
Rails at openings	<input type="checkbox"/>	Some of the rails are 36"h Front, side and walkway above doors are open rails with gaps larger than 4"	Rails need to be replaced with 42"h Install pickets, mesh, grill or screen to minimize gaps
Handrail at aisles	<input type="checkbox"/>	None present	
Rails at elevated walkway	<input type="checkbox"/>	Front, side and walkway above doors are open rails with gaps larger than 4"	Install pickets, mesh, grill or screen to minimize gaps
Tread tape at steps	<input type="checkbox"/>	None Present	Tread tape needs to be installed
Steps / Intermediate Steps	<input type="checkbox"/>	See notes below (4) Badly damaged steps plus all are worn	Replace step boards
Other Notes / Comments:			
<p>* The steps do not have a handrail however they are not wide enough to install one.</p> <p>* The walkway step transition has an intermediate step that creates a depressed section in the walkway. This is an un-safe trip/fall hazard.</p> <p>* Many of the steps have wood that is worn and deteriorating on the front edges and is a slip/safety factor.</p> <p>* The front partition at the walkway has a sill plate that is cracked and has exposed sharp wood edges and bricks which are unsafe. This cap must be repaired and enclosed. However if reconstruction is attempted to repair this and the other step issues it may be required to widen the front walkway and steps to meet egress codes.</p> <p>* The other issue that would likely arise doing modifications to the bleachers to make them safe is that because so much work is required it must now meet code as an egress to/from the adjoining doors / corridors used at the top of the bleachers.</p> <p>Parts needed for repair:</p> <p>Recommend removal of the wooden structure, clearing the floor and installation of standard bleachers that meet code.</p> <p>Bleachers where the top row exceeds 30" above grade: <small>On all rows with footboards, seats or aisles 30" above ground and not backed/surrounded by a wall, there must be guardrails with fence/pickets/screens on the upper backs and sides secured to the top rail 42"H above the leading edge of the seat or walking surface. It shall be attached to a bottom rail or footboard. Openings /gaps must be smaller than a 4" sphere. This applies to all railings at elevated bleacher walkways</small></p>			



Open railing at the front walkway is a fall hazard. Narrow entry steps and no handrail.



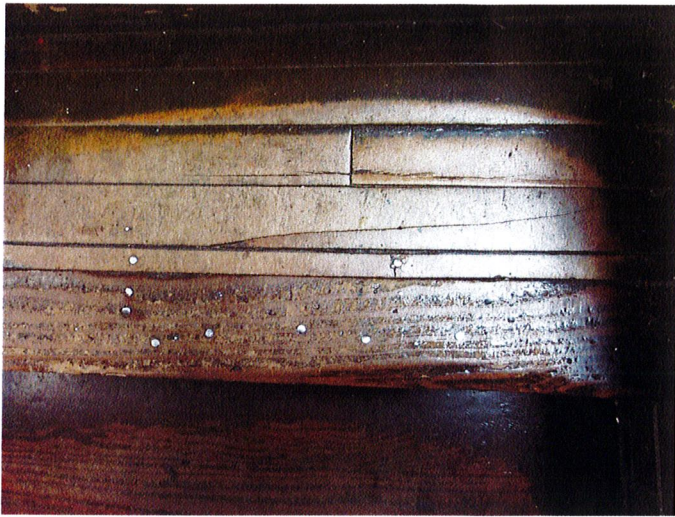
Open railing at the upper walkway. Side rail is not 42" h and is open. Steps are too narrow.



Front edge of steps worn down and no tread tape—slip hazard.



Front row/walkway drops - trip /fall hazard. Worn front edges of steps—slip hazard.



Stair tread needing replacement.



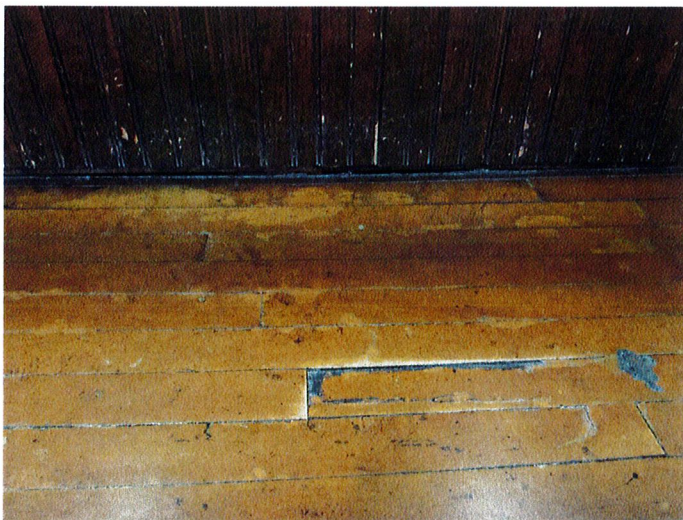
Open rails are a fall hazard .



Narrow stair landing and worn step nosing.



Floor patch is a trip hazard and is not stable.



Sinking floor board patch and poor understructure support.



Walkway floor understructure is failing and the floor is sagging.



Broken and exposed understructure with sharp edges on wood, bricks and concrete along the front walkway is a safety hazard.