Cranston Material Handling Equipment Co

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Rack Inspection Photos Documenting Issues Found

Prepared for
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100 Wyle Coyote Way
Surprise, Arizona 85374

On-site Contact: R. Runner
Date of Inspection: 08/08/2020
Inspected By: Ben Wadlow

List of Areas Inspected

1. North warehouse
2. West warehouse
3. South warehouse

Below is a list of the issues found during the inspection and the recommendation to correct each issue. The rack locations where these issues were found are identified in the next two sections of the report.

Beam

- **Bent**
  Replace all beams that are color-coded as red or orange, as they are kinked and the capacity of the beam has been compromised. Yellow coded beams have slight denting.

Beam Clip

- **Safety Spring Clip Bent**
  Replace beam clips or install a nut & bolt or a J-pin to secure the beam to the upright. If a bolt or J-pin cannot be installed, replace the beam.

- **Studs Not Engaged In Upright**
  Immediately remove all material on the beam level and if the beam is studs are not damaged reinstall the beam so the beam studs are properly seated down into the holes in the face of the upright. If the safety clip is missing, install a bolt & nut or a J-pin. Facility personnel were made aware of this highly dangerous situation, so corrective measures could be taken immediately.

  Note: While the beam's safety clips help to keep beams from being dislodged, the only way to keep this dangerous situation from occurring again is to use a nut & bolt to secure every beam to the upright. Beams are dislocated by the pallet of material below the beam being raised and hitting the beam above it.

Other

- **Damaged Crate with Loose Front Board**
  Remove the damaged crate and place the material in a structurally sound crate.

Pallet Loading

- **Loaded In Unsafe Manner**
  It is an unsafe practice to place a pallet on the top beam level behind an upright. The pallet can catch on the upright when it is being loaded or unloaded causing an accident.

• Pallet or Material Extends More Than 5" Beyond Front of Beam
Train warehouse personal to correctly place pallets on the rack. Pallets should be positioned so the pallet overhangs both the front and back beams by about 3". Pallets that extend beyond 4" in front of the rack beam create a potential hazard for the forklift operator who is loading pallets on beam levels below or above the pallet that is sticking out too far. The load they are lifting may hit this pallet causing an accident. Also, when the front left to right board on the bottom of the pallet sits in front of the front beam the majority of the weight of the pallet is now supported by the center left to right bottom boards of the pallet, which causes damage to and bending of the wire decks.

• Pallets Not Positioned Properly on Wire Decks
Train forklift operators to always place pallets squarely on top of the wire decks with the left to right boards on the bottom of the pallet positioned over top of three or more of the wire deck's front to back channels. This will allow the pallet load to be uniformly distributed on the wire decks.

Pallet Support

• Not tec screwed to beam
Pallet supports are not teked to the beams, as per manufacturer's recommendations. Install Tek screws to secure pallet supports to beams.

Upright

• First horizontal bracing is missing
Bracing should be replaced.

• Bracing repair kits manufactured by Damotech, MacRak, or Worldwide Material Handling can be used to repair/replace the damaged braces.

• Left column kinked
Upright columns kinked should be repaired or the upright replaced. Upright repair kits manufactured by Damotech, MacRak, or Worldwide Material Handling can be used to repair damaged uprights.

• Right bracing damaged
Bracing should be repaired or the upright replaced.

• Bracing repair kits manufactured by Damotech, MacRak, or Worldwide Material Handling can be used to repair/replace the damaged braces.

Wire Deck

• Bent or Broken Wires
Wire decks with significant bending or broken wires should be replaced.

• Line Loading
Remove skids that create line loads and place them on the floor or purchase engineered decks designed to support line loads, such as Ohio Gratings' PressLock decks.

A line load is created when a crate, container, or skid's bottom runner boards do not sit on top of both the front and back beams or the wire deck's channels but rather sit on and are primarily supported only by the wire. A standard wire deck is designed support a uniform distributed load and not a concentrated load which can damage or cause the wire deck to fail.

• Point Loading
Remove skids that create point loads and place them on the floor or purchase engineered decks designed to support point loads, such as Ohio Gratings' PressLock decks.

A point load is created when a pallet or container has feet which transfer all of the weight of the pallet or container to a small area of the wire deck. A standard wire deck is designed to support a uniform distributed load and not a concentrated load which can damage or cause the wire deck to fail.

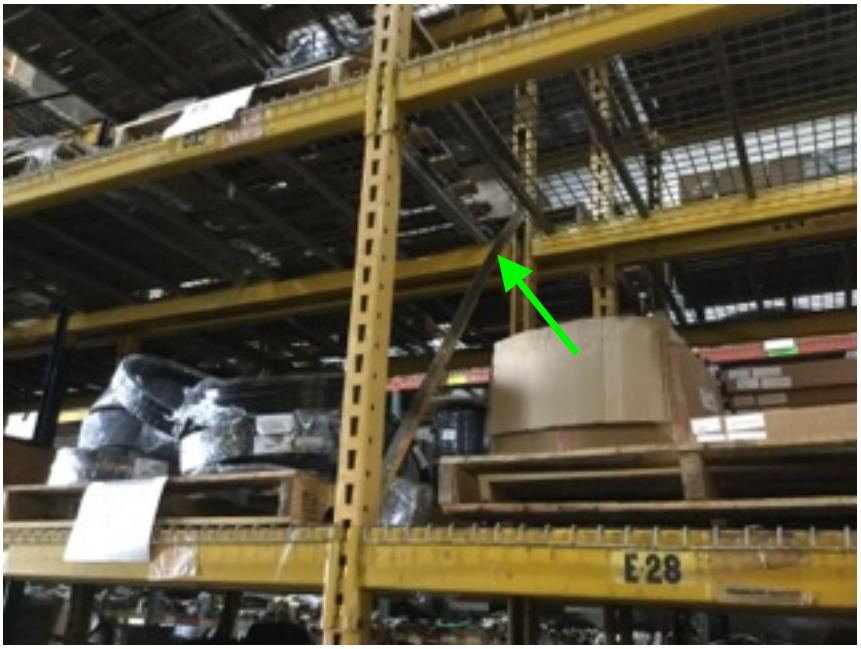
Photos Taken During the Inspection

The following section provides photos of the types of issues found during the inspection. If the issue has been found more than once during the inspection, the photo is representative of that issue throughout your facility. The bay of rack or area where the photo was taken is identified above each photo. The photos provide you with a visual understanding of the issue found for the following three purposes:

• Management can assess the issue and determine if action should be taken to correct the issue.
• The individual responsibility to fix the issue can see what needs to be corrected.
• It provides a training tool to be used with the forklift operators, so they understand:
    1. What constitutes a dangerous condition that management should be made aware of.
    2. How to properly position pallets, skids, or containers on the racks.

Details of Issues Found

Location	Issue	Action to be Taken	Details/Comments
Area: 1. North warehouse			
31Q-R & Middle			
	Upright	Issue To Be Addressed	• Right bracing damaged Right side, middle diagional

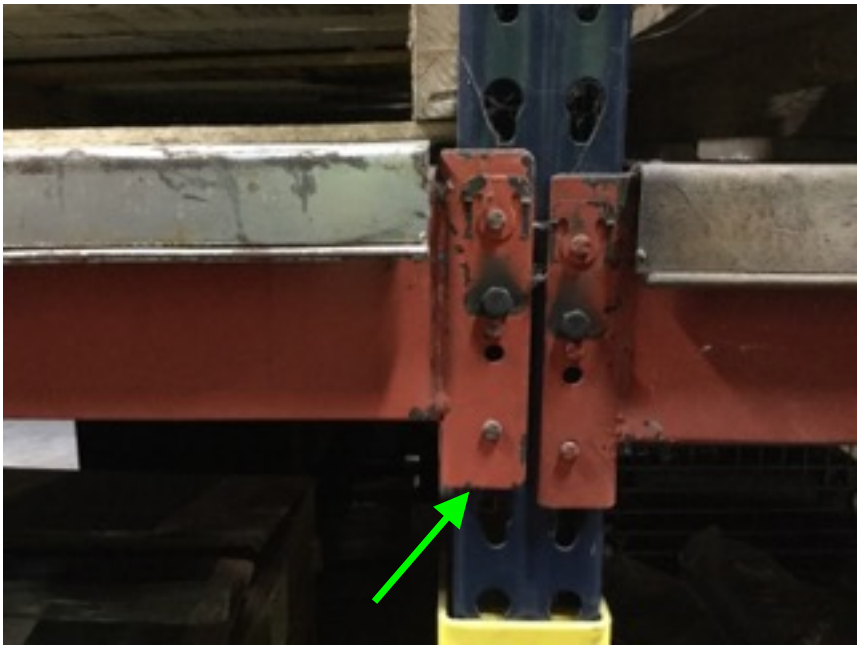


32BB to 32GG all Levels			
	Pallet Support	Issue To Be Addressed	• Not tec screwed to beam

Details of Issues Found

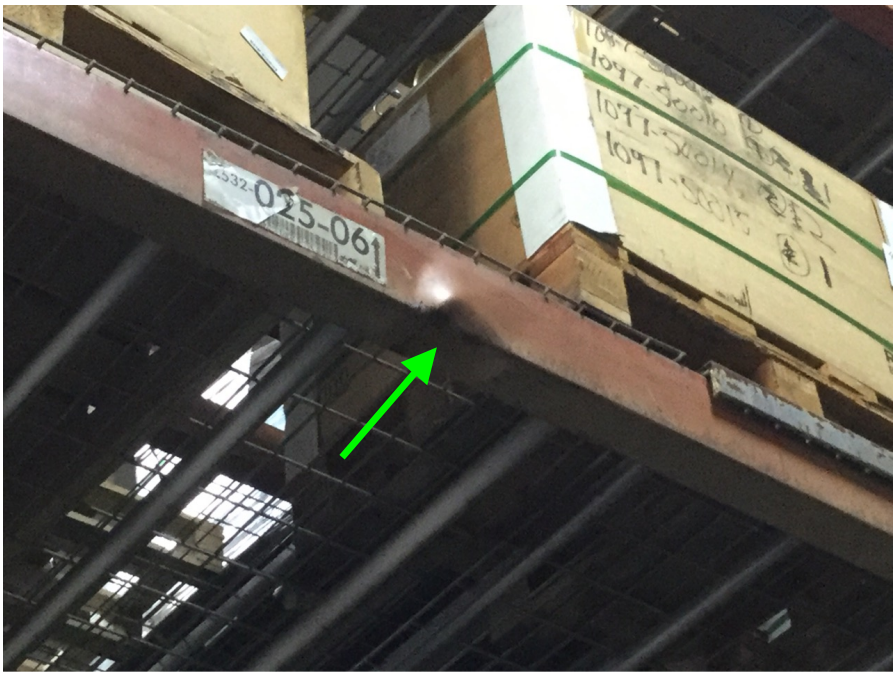
Location	Issue	Action to be Taken	Details/Comments
32L-L Back column			
	Upright	Issue To Be Addressed	• Left column kinked Back of upright

33BB-3-R			
	Beam Clip	Address Immediately	• Studs Not Engaged In Upright



Details of Issues Found

Location	Issue	Action to be Taken	Details/Comments
33G-6-C			
	Beam	Minor Issue	• Bent



33N-7-C			
	Wire Deck	Issue To Be Addressed	• Point Loading

See attached document describing proper wire deck loading

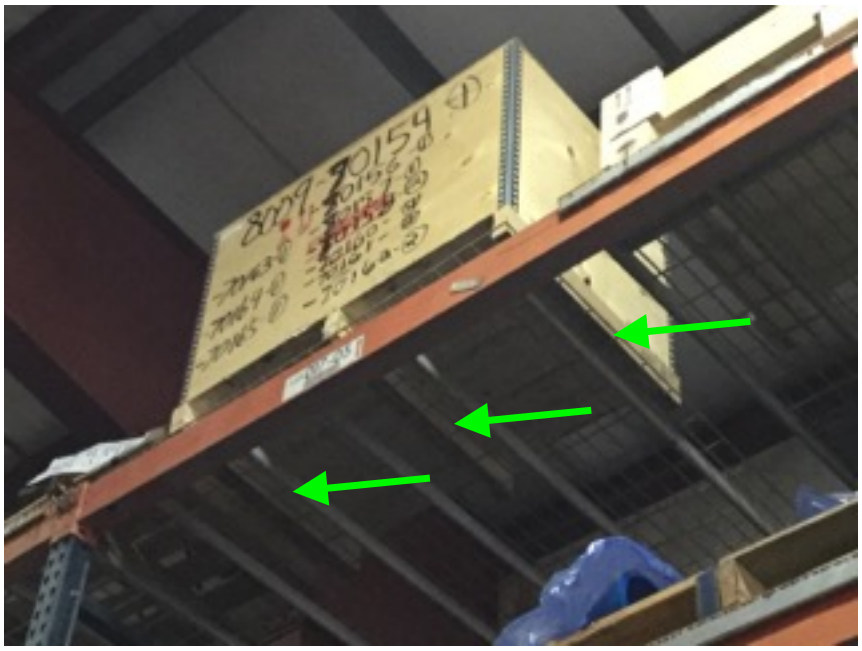
Details of Issues Found

Location	Issue	Action to be Taken	Details/Comments
All row 34			
	Upright	Issue To Be Addressed	• First horizontal bracing is missing

Details of Issues Found

Location	Issue	Action to be Taken	Details/Comments
Area: 3. South warehouse			
50G-6-L			
	Pallet Loading	Issue To Be Addressed	• Pallet or Material Extends More Than 5" Beyond

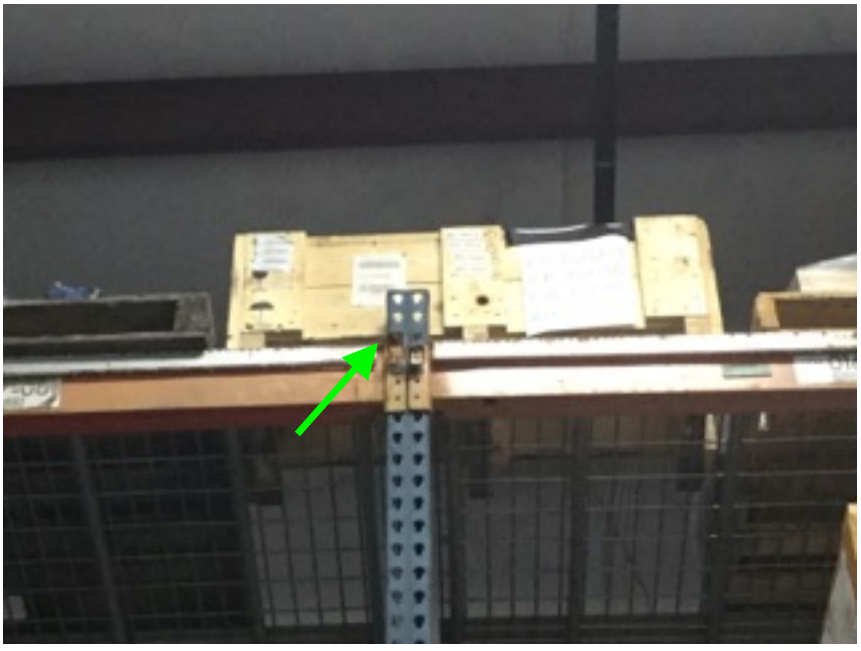
50N-5-L			
	Wire Deck	Issue To Be Addressed	• Line Loading



Details of Issues Found

Location	Issue	Action to be Taken	Details/Comments
50P-5-L			
	Other	Issue To Be Addressed	• Damaged Crate with Loose Front Board

50R-5-L			
	Pallet Loading	Issue To Be Addressed	• Loaded In Unsafe Manner



Details of Issues Found

Location	Issue	Action to be Taken	Details/Comments
50S-3-L			
	Beam Clip	Issue To Be Addressed	• Safety Spring Clip Bent

51B-2-R			
	Wire Deck	Minor Issue	• Bent or Broken Wires

Details of Issues Found

Location	Issue	Action to be Taken	Details/Comments
52D-6-R			
	Pallet Loading	Issue To Be Addressed	• Pallets Not Positioned Properly on Wire Decks