

AL-2010 REV1 Inspection Checklist for Industrial Scissors Lifts At Mezzanines

General Notes:

1. See American National Standard MH29.1 Safety Requirements for Industrial Scissor Lifts.
2. Items on this checklist meet or exceed the standard listed above.
3. **OK** = meets requirements; **NG** = insert number to identify comments on back of this checklist; **NA** = not applicable.

Address: _____	Owner: _____
_____	Inspector: _____ Date: _____
_____	Signature: _____
Manufacturer: _____	Serial number: _____ Model: _____
<input type="checkbox"/> Rider Mezzanine Lift	<input type="checkbox"/> Non-rider (Material Only) Mezzanine Lift

	OK	NG	NA
1. General: The entire base frame of the scissors lift is sitting on a flat and level surface, shimmed and grouted if necessary for continuous support	[]	[]	[]
2. Controls: (section 4.9)			
A. Shall be clearly marked as to direction and function	[]	[]	[]
B. Shall be protected from inadvertent operation	[]	[]	[]
C. If pushbutton is momentary contact type (touch and release to start), then the lift shall be clearly marked "No riders allowed"	[]	[]	[]
D. If momentary contact pushbutton, then it shall have an emergency stop button	[]	[]	[]
E. Controls shall prevent lift movement when any gate is open	[]	[]	[]
F. For rider lifts the control must be constant pressure style & located on lift platform	[]	[]	[]
3. System protection: (section 4.10)			
A. Hydraulic systems shall be equipped with flow controls or velocity fuses for hose failure protection	[]	[]	[]
B. If electromechanically actuated, the design shall prevent movement if there is a power failure	[]	[]	[]
4. Platform guarding: (section 4.11) (Shear point protection)			
A. Automatic operations with momentary contact controls shall be guarded with skirts, enclosures or other means of personnel protection	[]	[]	[]
B. Pit mounted installations shall have one or more of the following:			
1) 8 inch bevel toe guards	[]	[]	[]
2) Solid skirts	[]	[]	[]
3) Suspended indicator bar	[]	[]	[]
4) Electronic toe sensor	[]	[]	[]
5) Solid or mesh enclosure 8' high or full height of platform rise plus top of guardrail, whichever is less	[]	[]	[]
C. Above floor installations must have one of the following:			
1) 4 inch bevel toe guards	[]	[]	[]
2) 3 inch vertical toe clearance	[]	[]	[]
3) Electronic toe sensor	[]	[]	[]
D. For all installations with more than 5.5 feet between the landing and the bottom edge of the fully raised platform, the following items are required			
1) Upper landings shall be equipped with enclosures and an automatic landing gate or a landing gate with interlock that prevents opening the gate unless the lift is present	[]	[]	[]
2) The entire surface of the mezzanine adjacent to the lift from ground level to top of the mezzanine guardrail shall be equipped with a smooth surface to eliminate shear points	[]	[]	[]

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Note: Section numbers are for pending revisions to MH29.1

	OK	NG	NA
3) Sides used for loading at lower landings shall be equipped with an automatic landing gate or a landing gate with interlock. These gates shall be 84" or the full height of the lift whichever is less	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4) Sides at lower landings not used for loading shall be provided with solid or mesh enclosures 8 feet high or to the full height of the lift rise plus guardrail whichever is less	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5) Gates and enclosures will be positioned no more than 6" from the lift platform	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6) Mesh for enclosures shall reject a 2" ball and a smooth surface shall be a solid surface or a flattened mesh that will reject a 3/8" ball	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5. Hinged bridges shall conform to the following: (section 4.12)			
A. At raised position, slant bridge back toward platform approximately 20 degrees or lie back flat on the platform or provide chain, latch or other means of security	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
B. At lowered position, bridge angle can not hang more than 45 degrees below horizontal unless shear risk is eliminated	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
C. Bridge purchase on truck beds shall be at least 4"	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
D. Split bridge sections shall have 3/4" to 1" clearance between sections	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6. Guardrail system: (section 4.13)			
A. All rider lifts must have guardrails on all sides with interlocked access gates that prevent lift movement when a gate is open	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
B. Non-rider lifts shall have guardrails and chains or gates across load access sides	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
C. Guardrails shall be 42" high +/- 3" with mid-rail and 4" toe board	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7. Maintenance Device: (section 4.14) A securely attached maintenance device to hold the empty lift open for maintenance is present			
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
8. Markings: (section 4.15)			
A. Manufacturers nameplate with name of manufacturer, model number serial number, lifting capacity and edge or axle load ratings is present	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
B. Warning labels in compliance with ANSI Z535.4	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
9. There shall be an operating/maintenance manual that contains: (section 4.16)			
A. Special warnings, cautions, or restrictions for safe operations	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
B. Manufacturer's name and contact information	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
C. Installation and start up information	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
D. Operating instructions	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
E. Maintenance recommendations and instructions	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
F. Replacement parts information	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
G. Owner's/user's responsibilities clearly defined	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
10. Capacity verification: (either A or B)			
A. The lift capacity shall be clearly visible to operators	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
B. Maximum system pressure with lift fully raised and cylinders fully extended against internal cylinder stops (may require overriding electrical limits) is +/- 150 psi of pressure labeled on the hydraulic pump and /or listed in owners manual	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Or			
C. From fully lowered position, lift is demonstrated to lift rated capacity	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Comments:

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