



Design Company or Other Company Name _____ **Design Professional or Other Name** _____ License Number _____ License Expires Date _____

Address _____ Phone _____ fax _____ Site Inspection Date _____

City _____ State _____ Zip Code _____ email _____ Case ID _____

This document expires 30 days from date of delivery to owner/agent via email or mail unless Design Professional or Other are retained for Engineer Oversight in writing.

Site Address _____ FE Structural Format _____ **Owner or Owner Agent Company** _____

Owner or Owner Agent _____ Location _____ Mailing Address _____

City _____ State _____ Zip Code _____ FE Made Of _____ City _____ State _____ Zip Code _____

Phone _____ fax _____ Stories _____ Phone _____ fax _____

email _____ # of FEs on building _____ website _____

Authority Having Jurisdiction Address _____ City _____ State _____ Zip Code _____

email _____ Phone _____ fax _____ **Violation Number** **Written** **Verbal** **N/A**

Repair/Paint Vendor or Owner/Agent acceptable by AHJ to repair/paint fire escapes:

Repair Vendor or Agent: Company Name _____ **Repair Vendor or Agent: Contact Name** _____ License Number _____ Repair Permit Number _____

This document is **a. a Pass/Fail Report (not to be used as a construction control document)**
OR **b. a Fail Report with attached repairs report (with photos/drawings and repairs criteria as required for permit if permit is needed)**

To the best of my Information, Knowledge, Belief and Opinion that the following statements are true and apply regarding this Fire Escape System as of the date of evaluation above.

Indicate inspection was done by:

- a.** a visual walk through of the Fire Escape System all accessible areas only. NO Load Test or destructive testing was performed. Safety hammer testing, scraping, poking, and chipping are all part of visual observation and resulting damage is owner's responsibility to repair or maintain.
- b.** an Evaluation of the Fire Escape System from the ground, with or without the use of visual aid, due to NO ACCESS or UNSAFE STRUCTURE WITH LIFE SAFETY ISSUES.

Fire Escape Passed? Yes No **Immanent Danger?** Yes No

- The FE System is Certified by Load Test done by Engineering/Testing Agency at 100 lbs per sq foot.
- The FE System is Certified by Other Evidence of Strength (full or partial refurbishment or NEW) in lieu of load test.
- The FE System is Certified by Opinion Affidavit, accepted by AHJ as ready for use with opinion disclaimer of liability.
- Inspection/Evaluation determined the Fire Escape System FAILED. It is NOT structurally sound and/or painted.

Empty rectangular box for notes or comments.

I declare under penalty of perjury that the foregoing is true and correct. Executed on

License Number

Design Professional or Others Acceptable to AHJ

Authority Having Jurisdiction

AHJ accepted form at counter?

AHJ accepted form after final inspection?

Notary



Site Address

City

State

Design Professional/Other

Site Inspection Date

Deficiency Report with Code Issues and Corrective Action Report

NOT to be used as a Construction Control Document unless noted and Formal Repair Report attached.

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Fire Escape Passed? Yes No

Immanent Danger? Yes No

OVERALL	TREADS	STRINGERS	RAILS	STRUCTURAL	CEMENT	PAINT	GRATING	LADDER	CANTILEVER	CATWALK
<input type="checkbox"/> EXCELLENT	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> EXCELLENT
<input type="checkbox"/> GOOD	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> GOOD
<input type="checkbox"/> FAIR	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> FAIR
<input type="checkbox"/> POOR/FAIL	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> POOR/FAIL
<input type="checkbox"/> IMMANENT DANGER	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> IMMANENT DANGER
<input type="checkbox"/> PRE-EXISTING	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> PRE-EXISTING
<input type="checkbox"/> MISSING	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> MISSING
<input type="checkbox"/> N/A	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> N/A

1) All fabrication, installation and maintenance of fire escape is to code and met industry standards on date of installation. Yes No N/A

Repair Replace Remarks Reinforce See Report

2) There are **NO** pre-existing non-conforming issues requiring AHJ notification for approval. Yes No N/A

Repair Replace Remarks Reinforce See Report

3) All welds **PASS** by visual observation only, unless noted: re-bolted, x ray or load tested Yes No N/A

are structurally sound having **NO** internal rust jacking, external surface rust and/or material deterioration.

Repair Replace Remarks Reinforce See Report

4) Overall the fire escape system **PASSES** Yes No N/A

is structurally sound having **NO** internal rust jacking, external surface rust and/or material deterioration.

Repair Replace Remarks Reinforce See Report

5) Footings/Piers - **PASS** Yes No N/A

are structurally sound having **NO** internal rust jacking, external surface rust and/or material deterioration - NO heaving or sinking

Repair Replace Remarks Reinforce See Report

6) Walls of attached fire escape system- **PASS** by visual observation only on date of evaluation Yes No N/A

appear to be structurally sound having **NO** material deterioration - NO structural cracks/ deterioration, deflection or bulging

Repair Replace Remarks Reinforce See Report

7) Supports into masonry wall - **PASS** Yes No N/A

are structurally sound having **NO** material deterioration - NO structural cracks/deterioration, rust jacking, deflection or spauling

Repair Replace Remarks Reinforce See Report

8) Thru bolts into wood structure or masonry walls - **PASS** Yes No N/A

are structurally sound having **NO** material deterioration - NO structural cracks/deterioration, rust jacking, deflection or wood rot

Repair Replace Remarks Reinforce See Report

9) Platforms, Slats, Grating, Mesh, Cement, Cast Iron, Wood and Angle and or Steel Frame - **PASS** Yes No N/A

are structurally sound having **NO** material deterioration - **NO** internal rust jacking or external surface rust or wood rot

Repair Replace Remarks Reinforce See Report

10) Stair Stringers, Upper & Lower Hanger Clips - **PASS** Yes No N/A

are structurally sound having **NO** material deterioration - **NO** internal rust jacking or external surface rust or wood rot

Repair Replace Remarks Reinforce See Report

11) Stair Treads: Plate, Slats, Grating & Bolts and/or Welds - **PASS** Yes No N/A

are structurally sound having **NO** material deterioration - **NO** internal rust jacking or external surface rust or wood rot

Repair Replace Remarks Reinforce See Report

12) Railings - on platforms, stairs & catwalks - **PASS** Yes No N/A

are structurally sound having **NO** material deterioration - **NO** internal rust jacking or external surface rust or wood rot

Repair Replace Remarks Reinforce See Report

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13) Fixed Ladders to Roof and/or to Grade & Bolts and/or Welds - PASS Yes No N/A
 are structurally sound having **NO** material deterioration - **NO** internal rust jacking or external surface rust or wood rot or spauling
 Repair Replace Remarks _____
 Reinforce See Report _____

14) Balanced Ladders: Bolts and/or Welds, Weight, Release Mechanism and other components - PASS Yes No N/A
 are structurally sound having **NO** material deterioration - **NO** internal rust jacking or external surface rust and are to grade/public way
 Repair Replace Remarks _____
 Reinforce See Report _____

15) Cantilevers: Bolts and/or Welds, Weight Box, Release Mechanism and other components - PASS Yes No N/A
 are structurally sound having **NO** material deterioration - **NO** internal rust jacking or external surface rust and are to grade/public way
 Repair Replace Remarks _____
 Reinforce See Report _____

16) Catwalks & Bolts and/or Welds - PASS Yes No N/A
 are structurally sound having **NO** material deterioration - **NO** internal rust jacking or external surface rust and lead to the fire escape and completes to grade
 Repair Replace Remarks _____
 Reinforce See Report _____

17) All components: doors, windows, window guards, cages and gates- PASS Yes No N/A
 are single action requiring no special knowledge, no keys and no obstruction and lead to public way
 Repair Replace Remarks _____
 Reinforce See Report _____

18) All electrical power is 10 feet or more away from fire escape or covered to code. Yes No N/A
 Repair Replace Remarks _____
 Reinforce See Report _____

19) Overall the fire escape is not illuminated due to pre-existing code on date of install. Yes No N/A
 Repair Replace Remarks _____
 Reinforce See Report _____

20) Overall fire escape system has no interior or exterior obstructions such as a/c units, plants, bikes, trash etc. Yes No N/A
 Repair Replace Remarks _____
 Reinforce See Report _____

21) Overall fire escape system has no storage of flammables or code restricted items on, in or underneath. Yes No N/A
 Repair Replace Remarks _____
 Reinforce See Report _____

22) The fire escape system is made of: Painted Steel Galvanized Steel Aluminum Steel & Wood Wood C

23) This Fire Escape System is maintained/painted/stained and/or weatherproofed. Yes No N/A
 Scrape, Seal and Full Paint _____
 Scrape, Seal and Spot Paint _____

24) The owner is notified, by email or hand delivered, that EPA Lead Paint Rules apply because the FE system was built before 1978. Yes No N/A
 Scrape, Seal and Full Paint _____
 Scrape, Seal and Spot Paint _____

25) Other remarks or Pre-existing Non-Conforming Issues: Yes No N/A

STEPS TO CERTIFICATION

- 1) Repair Report by Design Professional or Other Acceptable to AHJ for repair permit if required
- 2) Permit by licensed vendor with EPA license
- 3) Progress and or final inspection by Design Professional or Other Acceptable to AHJ
- 4) Submit final Certification by Load Test, Other Evidence of Strength, or Opinion Affidavit
- 5) repeat every 5 years



Site Address

City

State

Design Professional/Other

Site Inspection Date



Guidelines and Procedures for Fire Escape Systems As Per AHJ

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2012 IFC 1104.16.5.1 Fire escape stairs must be examined every 5 years by a design professional or others acceptable to the Authority Having Jurisdiction and inspection report must be submitted to the AHJ.

IBC 1001.3.3 All fire escapes shall be examined and/or tested and certified every five years by a design professional or others acceptable who will then submit an affidavit city official.

ICC 2015 104.7.2 Technical assistance. To determine the acceptability of technologies, processes, products, facilities, materials and uses attending the design, operation or use of a building or premises subject to inspection by the fire code official, the fire code official is authorized to require the owner or agent to provide, without charge to the jurisdiction, a technical opinion and report. The opinion and report shall be prepared by a qualified engineer, specialist, laboratory or fire safety specialty organization acceptable to the fire code official and shall analyze the fire safety properties of the design, operation or use of the building or premises and the facilities and appurtenances situated thereon, to recommend necessary changes. The fire code official is authorized to require design submittals to be prepared by, and bear the stamp of, a registered design professional.

NFPA LIFE SAFETY CODE 101 7.2.8.6.2 The Authority Having Jurisdiction (AHJ) shall approve any fire escape by Load Test or other evidence of strength (Certification).

OSHA 1910.37 Exit routes must be maintained during construction, repairs, alterations or provide alternative egress with equivalent level of safety acceptable to AHJ.

2010 EPA 402(c)(3)

EPA's Lead Renovation, Repair and Painting Rule (RRP Rule) requires that firms performing renovation, repair, and painting projects that disturb lead-based paint in homes, child care facilities and pre-schools built before 1978 have their firm certified by EPA (or an EPA authorized state), use certified renovators who are trained by EPA-approved training providers and follow lead-safe work practices (Fines per violation by EPA \$37,500)

Terms and FAQs

Fire Escape Certification OR Deficiency Report with Code Issues

This form is a certification of a fire escape system OR a report of failure to certify a fire escape system.

Indicate inspection was done by:

- a.** a visual walk through of the Fire Escape System all accessible areas only. NO Load Test or destructive testing was performed. Safety hammer testing, scraping, poking, and chipping are all part of visual observation and resulting damage is owner's responsibility to repair or maintain.
 - Design Professional or Other performed a physical/visual walk through on each floor from roof to grade operating and or assessing every accessible component of FE system.
- b.** an Evaluation of the Fire Escape System from the ground, with or without the use of visual aid, due to NO ACCESS or UNSAFE STRUCTURE WITH LIFE SAFETY ISSUES.
 - This only applies to Fail Reports Only and NO PASS Reports. These can be issued **without** physical/visual observation walk through on each floor from roof to grade operating and or assessing every accessible component of FE system. The fire code official or AHJ is authorized to require documentation to be prepared by, and bear the stamp of, a registered design professional.

Load Testing

Under the national law (see above) fire escape systems must be certified by load test every 5 years to verify structural integrity at 100 lbs per square foot.

Load tests must be performed by a qualified testing agency/company acceptable to the AHJ (authority having jurisdiction).

A Fire Escape System is Load Tested only after passing and submitting a Pre Load Test Evaluation to AHJ confirming by report that FE System is structurally sound having NO material deterioration - NO structural cracks/deterioration, rust jacking, deflection or wood rot. AHJ may witness Load Test if requested. Upon completion of a Load Test a Certification by Load Test is submitted to AHJ. The fire code official or AHJ is authorized to require documentation to be prepared by, and bear the stamp of, a registered design professional.

There are two other methods of certifying a fire escape: other evidence of strength and opinion affidavit with disclaimer of liability.

Other Evidence of Strength

In lieu of a load test, the AHJ can accept other evidence of strength as certification of a fire escape system which requires a full evaluation of the fire escape system and a subsequent report with photos, drawings or contrasting markings detailing all code violations to be submitted to AHJ. Repairs permit and EPA Permit (if lead paint on fire escape) may then be required by AHJ as well as engineer's oversight of repairs. After partial, full refurbishment of the fire escape system or NEW fire escape system, a re-evaluation is required and a confidence test for certification under "other evidence of strength" submitted to AHJ.

Other Evidence of Strength in Lieu of Load Test is achieved only when entire existing fire escape system has had all major structural connections, components, materials, and or welds rebolted, reinforced, repaired or entire system was replaced in Lieu of Load Test. Partial Load Testing can occur if only spot repairs are made and remaining original hardware, components and or material on FE System is Load Tested. The fire code official or AHJ is authorized to require documentation to be prepared by, and bear the stamp of, a registered design professional.

Opinion Affidavit

In lieu of a load test, the AHJ may accept an opinion affidavit with a disclaimer of liability as certification of a fire escape system from a qualified design professional or other stating that the fire escape system is ready for its intended use. An Opinion Evaluation is a visual observation of accessible areas only and non accessible areas are observed with visual aids/photos/video and or disclaimed. The Opinion Affidavit (if acceptable to AHJ) in Lieu of Load Test and report shall be prepared by a qualified engineer, specialist, laboratory or fire safety specialty organization acceptable to the fire code official or AHJ and shall analyze the fire safety properties of the design, operation or use...(Pass/Fail Evaluation). The fire code official or AHJ is authorized to require documentation to be prepared by, and bear the stamp of, a registered design professional. (Repair Report for Permit if required)

Inspection/Evaluation determined the Fire Escape System FAILED. It is NOT structurally sound and/or painted.

An Opinion Evaluation determined, by visual observation of accessible areas only and non accessible areas were observed with visual aids/photos/video and or disclaimed, that the Design Professional and or other cannot proceed to Load Test and therefor cannot submit Certification and or an Opinion Affidavit. The fire code official or AHJ is authorized to require documentation to be prepared by, and bear the stamp of, a registered design professional.



Guidance on Five Year Inspections of Fire Escapes

Existing fire escapes must be examined for structural adequacy and safety. This inspection requirement applies to all elements of fire escapes such as metal balconies and stairs and any fixed or movable ladders associated with the fire escapes. The inspection requirement applies to fire escapes attached to the exterior of buildings. It does not apply to the types of building elements such as elevated porches, walkways and architectural stairs.

What is Required?

The local code on Fire Escapes requires examination of fire escapes and periodic inspection reports submitted to the Authority Having Jurisdiction (AHJ).

Specifically, the local code states:

Specifically, the national law states:

Who May Perform The Examination?

The examination may be performed by "registered design professionals" e.g., State-registered Structural or Civil Engineers. Examinations may also be performed by "others acceptable to the AHJ." This includes licensed contractors who are competent in the installation and maintenance of fire escapes.

Once I get the Examination and Inspection Report, What Do I DO?

Submit a copy of the inspection report (pass or fail) to the AHJ. If the examination was conducted in response to a written or verbal violation, please also include a copy of the violation. Submit the inspection report and, if applicable, the violation by US mail, email or fax to:

Authority Having Jurisdiction Address City State Zip Code

email:

FAX:

For more information please contact the Authority Having Jurisdiction at _____ Phone _____

What do I do if I need repairs, routine maintenance and or life safety issues?

All life safety issues must be reported to the AHJ immediately and remedied immediately.

All repairs require permit with Engineer Oversight to be done in a timely manner agreeable to the AHJ.

As per AHJ certification to be 1. by Opinion Affidavit 2. by Other Evidence of Strength 3. by Load Test (if required)



Site Address
City
State
Design Professional/Other
Site Inspection Date

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Repair/Paint Vendor or Owner/Agent acceptable by AHJ to repair/paint fire escapes:

Repair Vendor or Agent: Company Name		Repair Vendor or Agent: Contact Name		License Number	License Expires Date
Address		Phone		fax	Repair Permit Number
City	State	Zip Code	email		Repairs Completion Date
Repair Co. EPA Renovator's License and Expire Date	Repair Co. Workmans Comp Insurance and Expire Date			Repair Co. Liability Insurance and Expire Date	

Repair/Paint Vendor or Owner/Agent References:

Reference Name	Phone	Remarks
Reference Name	Phone	Remarks
Reference Name	Phone	Remarks

The Authority Having Jurisdiction (AHJ), the Design Professional (or other acceptable to AHJ) and the Owner/Agent of the Fire Escape System ALL require proof of the the following:

- 1) Business License
- 2) Construction License
- 3) EPA Renovator's License (when Fire Escape System has Lead Paint)
- 4) Workman's Compensation Insurance
- 5) Liability Insurance

All permits, if required, have to be signed off by AHJ before release of the Certification of the Fire Escape System.

All work performed by owner/agent, non-licensed and or uninsured individuals may be rejected if not to industry standard. Additional fees and documentation may be required in these cases before release of the Certification of Fire Escape System otherwise others may certify at their own risk.

All parties must sign a disclaimer if no load test is performed or no other evidence of strength is achieved.

Vendor Estimate with Costs Breakdown

Total Amount	Structural Repairs Amount	Paint Amount	Engineer Oversight Amount	Load Test Amount

A formal proposal contract will replace this form of verbal acceptance of costs, terms and conditions.

I declare under penalty of perjury that the foregoing is true and correct.

License Number		License Number	
Design Professional or Others Acceptable to AHJ		Repairs Vendor	
Notary		Owner/Agent	

