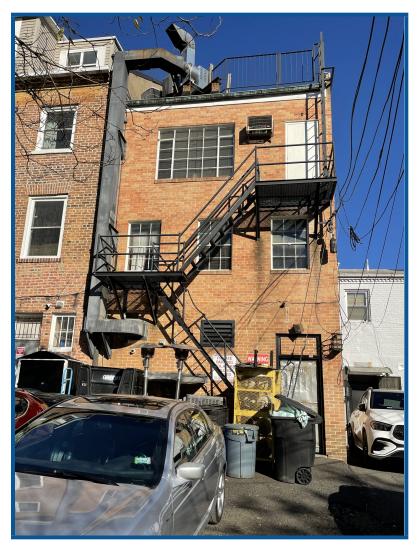


INSPECTION RESULTS

PASSED PENDING LOAD TEST

Ready for Load Test



INSPECTION PERFORMED AT: 1522 Wisconsin Ave NW (C) Washington DC November 14 2023

Prepared by:

FIRE ESCAPE ENGINEERS

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

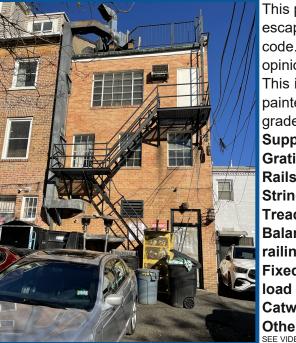


1522 Wisconsin Ave NW (C) Washington

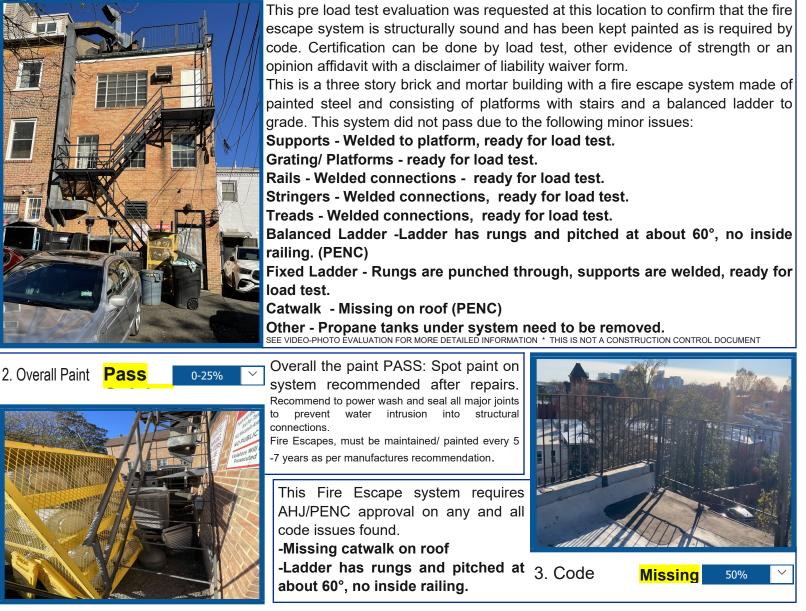
Nov 14 2023 Site Inspection Date

0-25%

1. Overall Structural



Pass Opinion Ready For Load Test



Fire Escapes older than 1978 are assumed to be painted with lead paint and therefor required by the EPA to be repaired and repainted by EPA certified Renovators that follow EPA guidelines and practices for lead paint. Fines per violaton occurance, i.e. scrape it, work it or weld it \$37,500 each action. Violations are incurred when non-licensed vendors work on a lead painted fire escape.

Overall Structural	Overall Paint	Supports/ Cemert	Grating/ Platforms	Rails	Stringers	Treads	Cantilever/	Fixed Ladder	Cement Pads	Catwalk
Life Safety (LS)										
Imminent Safety Hazard (ISH)										
Missing										\mathbf{X}
PreExisting NonConforming (PENC)						\mathbf{X}			\mathbf{X}
☐Poor/Fail										
PASS other evidence of strength	\mathbf{X}	\boxtimes	\mathbf{X}	\mathbf{X}	\mathbf{X}	\mathbf{X}	\mathbf{X}	\mathbf{X}		
Not Applicable (N/A)									\boxtimes	
^{0-25%} Percent Fail	0-25%	0-25%	0-25%	0%	0%	0-25%	25%	0%	N/A	100%



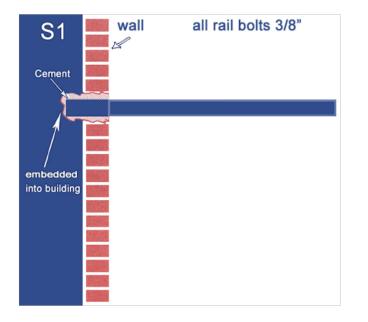
1522 Wisconsin Ave NW (C) Washington

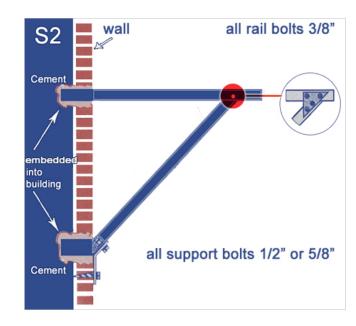
Nov 14 2023 Site Inspection Date

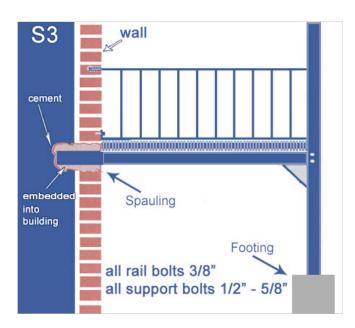
5526 Case Number

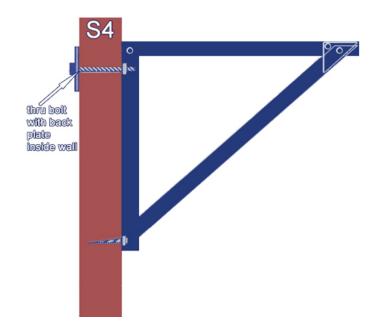
pg 3

STRUCTURAL SUPPORT COMPONENTS











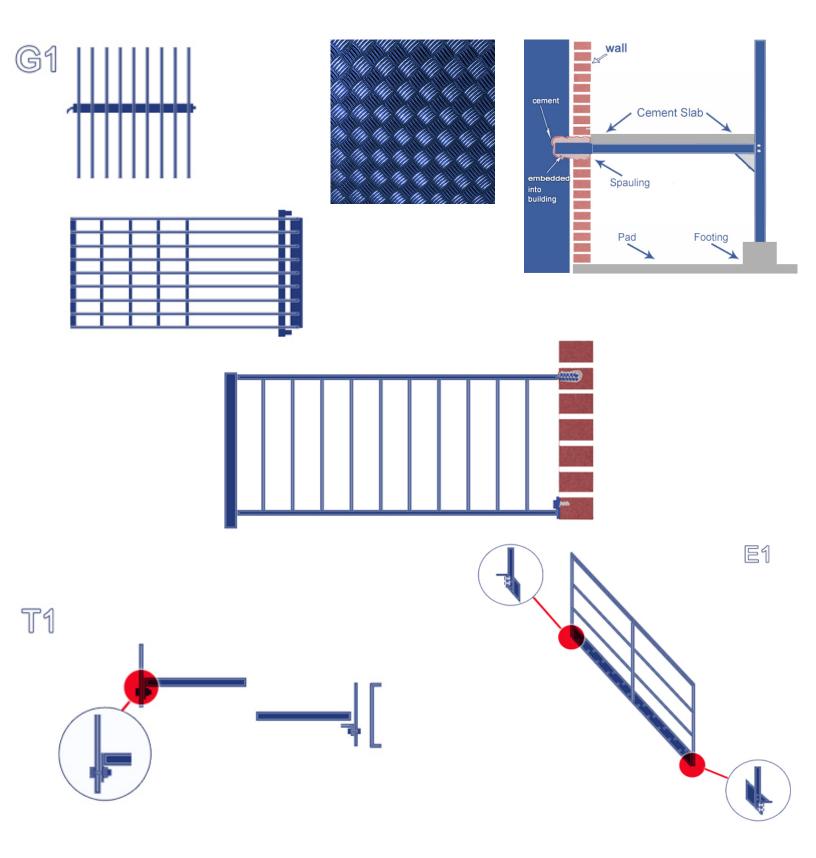
1522 Wisconsin Ave NW (C) Washington

Nov 14 2023 Site Inspection Date

5526 Case Number

pg 4

PLATFORM and STAIRS COMPONENTS





L1

Initial Evaluation Pass/Fail Report

1522 Wisconsin Ave NW (C) Washington

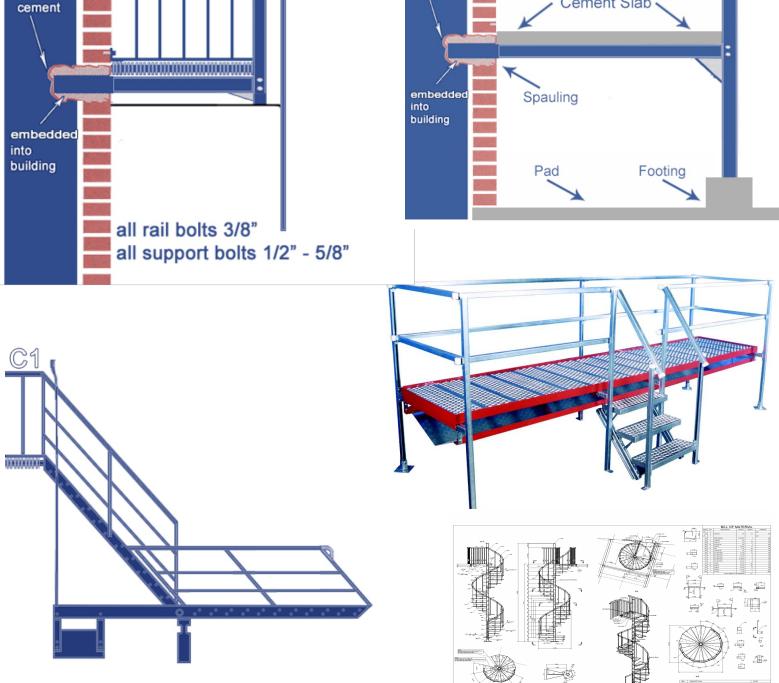
FOOTINGS, PADS, LADDERS, CANTILEVER, CATWALKS and SPIRALS

Nov 14 2023 _____

5526 Case Number

pg 5







1522 Wisconsin Ave NW (C) Washington

5526 Case Number

Nov 14 2023 Site Inspection Date

pg 6

NOT to be used as a Construction Control Docume This document expires 30 days from date of delivery to owner/agent via email or		· · · ·	
1522 Wisconsin Ave NW (C) Site Address	FE Structural Form Platforms v Stairs	w/	y
James Wheeler		Mailing Address	
Washington DC 20007 City Zip Code	FE Made Of Steel	City	State Zip Code
(202) 669-1409	Stories 3	Phone	
jimwheeler@allvest.net	# of FEs on build 1	website	
Authority Having Jurisdiction Address	Cit	y Stat	te Zip Code
email Phone	fax V i	olation Number	Verb 🛛 N/A
Repair/Paint Vendor or <i>Owner/Agent acceptable</i> by AHJ to repair/paint fire escapes:			
Repair Vendor or Agent: Company Name Repair Vendor or Age	nt: Contact Name	nse Number Rep	air Permit Number
This document is OR• a. a Pass/Fail Report (not to be used as a co • b. a Fail Report with attached repairs report		epairs criteria as required for permit i	if permit is needed)
 To the best of my Information, Knowledge, Belief an apply regarding this Fire Escape System. Indicate inspection was done by: a. a visual walk through of the Fire Escape System all accessible a testing, scraping, poking, and chipping are all part of visual observing. b. an Evaluation of the Fire Escape System from the groun STRUCTURE WITH LIFE SAFETY ISSUES. 	tem as of the date of areas only. NO Load Test or vation and resulting damage	destructive testing was perforr is owner's responsibility to rep	ned. Safety hammer air or maintain.
Fire Escape Passed? PASSED ~	Life Safe	ty Ready for Load To	est
 The System is Certified by Load Test done by Engineer The System is Certified by Other Evidence of Strength The System is Certified by Opinion Affidavit, accepted Inspection/Evaluation determined the System FAILED. 	(by full restoration of by AHJ as ready for u	r NEW) in lieu of load t use with opinion disclai	mer of liability.
	n/07/24		
	v/14/23 nspection Date		
info@fireescapeengineers.com 552 email Case			
Fire Escape Engineers Design Company or Other Company Name			- /
616 Washington St		(R)	Eneres
Lynn MA 01901 City Code		T	1/14/2023



1522 Wisconsin Ave NW (C) Washington

Nov 14 2023 Site Inspection Date

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	Paint Requirements - Surface rust, sealant and greasing	j •			
g 7	1) The fire escape system is mad Sifee Metal Woo Bric H. Depot Aluminu Steel & Cemen Mixe No FE on the Galvaniz	× Painte			ood Decks, Cer eel and
	2) This Fire Escape System is maintained/painted/stained and/or weatherproofed.		X Yes No	N/A Code	
	Overall Paint FAIL. Lack of routine maintenance requiring Full scrape, prime, seal, and paint.				\sim
	3) The owner is notified, by email or hand delivered, that EPA Lead Paint Rules apply because FE system was built before 1978.	e the	X Yes No	N/A Code	
	Overall Paint FAIL: EPA rules apply for Lead Paint 1978. Renovator's license required. Welding not approved as re	pair meth	nod.		\sim
	Structural Requirements - internal rust, rebolting, reinforcement and	_			
	4) All welds PASS by visual observation only, unless noted: re-bolted, x ray or load tested are structurally sound having NO internal rust jacking, external surface rust and/or material deterioration. Overall Structural Supports (bracket, thru-bolt, legs) PASS. Pending load test or other evidence of strength otherv	PASS	X Yes No	N/A Code	
					· · · · · ·
	5) Overall - fire escape system is structurally sound having NO internal rust jacking, external surface rust and/or material deterioration.	PASS	× Yes No	N/A Code	
	Overall Structural PASS. Pending load test or other evidence of strength otherwise liability disclaimer letter signed	by owne	r		\sim
	6) Footings/Piers are structurally sound having NO internal rust jacking, external surface rust and/or material deterioration - NO heaving or sinking	PASS	Yes No	× N/A Code	
	Not Applicable				×
	7) Walls of attached fire escape system - by visual observation only on date of evaluation - appear to be structurally sound having NO material deterioration - NO structural cracks/ deterioration, deflection or bulging	PASS	× Yes No	N/A Code	
	Overall Structural Walls PASS:				\sim
	8) Supports into masonry wall are structurally sound having NO material deterioration - NO structural cracks/deterioration, rust jacking, deflection or spaulling	PASS	X Yes	N/A Code	
	Overall Structural Supports (bracket, thru-bolt, legs) PASS. Pending load test or other evidence of strength otherv	vise liabili			\sim
	9) Thru bolts into wood structure or masonry walls are structurally sound having NO material deterioration - NO structural cracks/deterioration, rust jacking, deflection or wood rot	PASS	X Yes No	N/A Code	
	Overall Structural Supports (thru-bolt) PASS. Pending load test or other evidence of strength otherwise liability dis	sclaimer le	etter signe	d by owner	\sim
	10) Platforms, Slats, Grating, Mesh, Cement, Cast Iron, Wood and Angle and or Steel Frame are structurally sound having NO material deterioration - NO internal rust jacking or external surface rust or wood rot	PASS	X Yes	N/A Code	
	Overall Platforms, Slats, Grating PASS. Pending load test or other evidence of strength otherwise liability disclaimed	er letter s			$ $ \sim
	11) Stair Stringers, Upper & Lower Hanger Clips are structurally sound having NO material deterioration - NO internal rust jacking or external surface rust or wood rot	PASS	X Yes	N/A Code	
	Overall Stair Stringers PASS. Pending load test or other evidence of strength otherwise liability disclaimer letter sig	gned by c			\sim
	12) Stair Treads: Plate, Slats, Grating & Bolts and/or Welds are structurally sound having NO material deterioration - NO internal rust jacking or external surface rust or wood rot	PASS	× 103	N/A	
	Overall Structural PASS. Pending load test or other evidence of strength otherwise liability disclaimer letter signed	by owne	n No	Code	\sim
	13) Railings - on platforms, stairs & catwalks are structurally sound having NO material deterioration - NO internal rust jacking or external surface rust or wood rot Overall Structural PASS. Pending load test or other evidence of strength otherwise liability disclaimer letter signed		No	N/A Code	~
	14) Fixed Ladders to Roof and/or to Grade & Bolts and/or Welds are structurally sound having NO material deterioration - NO internal rust jacking or external surface rust or wood rot or spauling Overall Fixed Ladder PASS: Pending load test or other evidence of strength otherwise liability disclaimer letter sign	PASS	× Yes _{vner} No	N/A Code	~
	15) Balanced Ladders: Bolts and/or Welds, Weight, Release Mechanism and other components are structurally sound having NO material deterioration - NO internal rust jacking or external surface rust and are to grade/public way	PASS	X Yes	N/A × Code	
	AHJ approval required for inclined ladder missing inside rail and has rungs w/ aprox. 60° incline.				\sim

1522 Wisconsin Ave NW (C) Washington

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Nov 14 2023

Site Inspection Date

16) Cantilevers: Bolts and/or Welds, Weight Box, Release Mechanism and other components PASS are structurally sound having No material deterioration - No internal rust jacking or external surface rust and are to grade/public way Not Applicable	Yes No	X N/A Code	~
17) Catwalks & Bolts and/or Welds 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 Overall Structural Catwalk MISSING:	Yes No	N/A X Code	~
Code Requirements - Fabrication, installation, modification and code upg	grades:		
18) All fabrication, installation and maintenance of fire escape is to code and met industry standards on date of installation. Design and Fabrication met code standards on date of installation.	Yes X No	N/A Code	
19) There are NO pre-existing non-conforming issues requiring AHJ notification for approval.	Yes	N/A X Code	
AHJ approval required for missing catwalk and inclined ladder missing inside rail and has rungs w/ aprox. 60° incline.	× No	× Code	\sim
20) All components: doors, windows, window guards, cages and gates are single action requiring no special knowledge, no keys and no obstruction and lead to public way	X Yes No	N/A Code	
Design and Fabrication met code standards on date of installation.			\sim
21) All electrical power is 10 feet or more away from fire escape or covered to code.	X Yes No	N/A Code	
Design and Fabrication met code standards on date of installation.			\sim
22) Overall the fire escape is not illuminated due to pre-existing code on date of install.	× Yes	N/A	
Overall Code Issues: No illumination visible. Local Ordinance may apply to upgrade egress lighting.	No	Code	$ $ \sim
23) Overall fire escape system has no interior or exterior obstructions such as a/c units, plants, bikes, trash etc. PASS	X Yes No	N/A Code	
Overall Code Issues: NO Obstructions, Debris/Trash/Plant Pots/Barriers.			\sim
24) Overall fire escape system has no storage of flammables or code restricted items on, in or underneath. PASS	Yes X No	N/A Code	
Overall Code Issues: Flammables on or under system (propane tanks)		Couc	~
25) Do all egress systems allow for clear and legal access to public fairway or dispersal area?	× Yes	N/A Code	

Overall Code Issues: NOT Blocked and has access to public way.

ALL FIRE ESCAPES MUST BE STRUCTURALLY SOUND AND KEPT PAINTED AS PER CODE. Structural connections must be free of all internal rust and sealed from water intrusion. Spot paint every 3-5 years, full paint every 7-10 years and maintain sealant on all critical structural connections.

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. NFPA LIFE SAFETY CODE 101 7.2.8.6.2 The Authority Having Jurisdiction (AHJ) shall approve any fire escape by Load Test or Certification (other evidence of strength). ICC 104.7.2 Technical assistance. 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 specialist or a fire safety specialty organization acceptable to the fire code official to analyze the fire escape 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. OSHA 1910.37 Exit routes must be maintained during construction, repairs, alterations or provide alternative egress with equivalent level of safety. (permit issued if egress is certified or with egress scaffolding) All insurance companies: All final certifications to AHJ (load tested or other evidence of strength) must be submitted for acceptance by insurance company to avoid coverage issues.



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Initial Evaluation Pass/Fail Report

1522 Wisconsin Ave NW (C) Washington

Nov 14 2023 Site Inspection Date

Guidelines and Procedures for Fire Escape Systems As Per AHJ

Please contact your local AHJ to confirm that no load test is required for certification and that opinion affidavit with disclaimer letter is acceptable for the next five years.

Your insurance company should be notified of the method of certification to avoid insurance coverage issues.

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.

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

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.

			5526 Case Number
Initial E	valuation Pass/Fail	Report	
1522 W	isconsin Ave NW (C) Washington	Nov 14 2023 Site Inspection Date
pg10			
REPAIR VENDOR REVIEW FORM Repair/Paint Vendor or <i>Owner/Agent acceptable</i> by A	HJ to repair/paint fire escapes:	~	
Repair Vendor or Agent: Company Name	Repair Vendor or Agent: Contact Na		License Expires Date
Address	Phone	fax	Repair Permit Number
State Z	ip Code email		Repairs Completion Date
Repair €o: EPA Renovator's License and Expire – Repair C Date	o. Workmans Comp Insurance and Expire Date	Repair Co. Liability Insurance and Ex	pire Date
Repair/Paint Vendor or Owner/Agent References:			
Reference Name	Phone	Remarks	
Reference Name	Phone Phone Phone	Remarks Remarks	
Reference Name	Phone H1) the Design Professional (or othe	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.