ELYRIA FIRE DEPARTMENT NEWS RELEASE

DATE: March 20, 2019
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PUBLIC SAFETY MESSAGE

Per the 2017 Ohio Fire Code, Rule 11, Construction Requirements for Existing Buildings, Section 1104.16 Fire Escape Stairways, components of fire escape stairways shall be constructed of noncombustible materials. Fire escape stairways and balconies shall support the dead load plus a live load of not less than 100 pounds per square foot. Fire escape stairways and balconies shall be provided with a top and intermediate handrail on each side.

Fire escape stairways and balconies shall be examined for structural adequacy and safety in accordance with the above paragraph by a registered design professional or others acceptable to the fire code official every 5 years, or as required by the fire code official. An inspection report shall be submitted to the fire code official after such an examination.

The Initial Evaluation Pass/Fail Inspection Report shall include, but not be limited to, information answering the following questions:

1. All fabrication, installation and maintenance of fire escape are to code and met industry standards on date of installation?
2. There are NO pre-existing non-conforming issues requiring EFD FPB notification for approval?
3. All welds PASS by visual observation only, unless noted: re-bolted, x-ray or load tested? They are structurally sound having NO internal rust jacking, external surface rust and/or material deterioration?
4. Overall the fire escape system PASSES? The fire escape system is structurally sound having NO internal rust jacking, external surface rust and/or material deterioration?
5. Footings/Piers – PASS? No heaving or sinking? They are structurally sound having NO internal rust jacking, external surface rust and/or material deterioration?
6. Do the walls of attached fire escape system PASS by visual observation only on date of evaluation? They appear to be structurally sound having NO material deterioration and NO structural cracks/deterioration, deflection or bulging?

7. Supports into masonry wall – PASS? They are structurally sound having NO material deterioration and NO structural cracks/deterioration, rust jacking, deflection or spalling?

8. Thru bolts into wood structure or masonry walls – PASS? They are structurally sound having NO material deterioration and NO structural cracks/deterioration, rust jacking, deflection or wood rot?

9. Platforms, Slats, Grating, Mesh, Cement, Cast Iron, Wood and Angle and/or Steel Frame – PASS? They are structurally sound having NO material deterioration and NO internal rust jacking or external surface rust or wood rot?

10. Stair Stringers, Upper & Lower Hanger Clips – PASS? They are structurally sound having NO material deterioration and NO internal rust jacking or external surface rust or wood rot?

11. Stair Treads: Plate, Slats, Grating & Bolts and/or Welds – PASS? They are structurally sound having NO material deterioration and NO internal rust jacking or external surface rust or wood rot?

12. Railings – on platforms, stairs & catwalks – PASS? They are structurally sound having NO material deterioration and NO internal rust jacking or external surface rust or wood rot?

13. Fixed Ladders to Roof and/or to Grade & Bolts and/or Welds – PASS? They are structurally sound having NO material deterioration and NO internal rust jacking or external surface rust or wood rot or spalling?

14. Balanced Ladders: Bolts and/or Welds, Weight, Release Mechanism and other components – PASS? They are structurally sound having NO material deterioration and NO internal rust jacking or external surface rust and are to grade/public way?

15. Cantilevers: Bolts and/or Welds, Weight Box, Release Mechanism and other components – PASS? They are structurally sound having NO material deterioration and NO internal rust jacking or external surface rust and are to grade/public way?

16. Cat walks & Bolts and/or Welds – PASS? They are structurally sound having NO material deterioration and NO internal rust jacking or external surface rust and lead to the fire escape and completes to grade?

17. All components: doors, windows, window guards, cages and gates – PASS? They are single action requiring no special knowledge, no keys and no obstruction and lead to public way?

18. All electrical power is 10 feet or more away from fire escape or covered to code?

19. Overall the fire escape is not illuminated due to pre-existing code on date of install?

20. Overall the fire escape system has no interior or exterior obstructions such as a/c units, plants, bikes, trash, etc.?

21. Overall fire escape system has no storage of flammables or code restricted items on, in or underneath?


23. This fire escape system is maintained/painted/stained and/or weatherproofed?

24. The owner is notified, by email or hand delivered, that EPA Lead Paint Rules apply because the fire escape system was built before 1978?
25. Other Remarks or Pre-existing Non-conforming Issues:
   a. See video/photo Pass/Fail Inspection Report for details of violations.
   b. Lead paint – renovator license required no welding allowed on site as repairs on any major structural work. Bolts as per Code. Shop welded components may be attached on site with bolts, as per Code (Ex. Rails, Treads, etc.).
   d. STEPS TO CERTIFICATION
      1. Repair Report by Design Professional or Other Acceptable to EFD FPB.
      2. Permit by licensed vendor with EPA license.
      3. Progress and/or final inspection by Design Professional or Other Acceptable to EFD FPB.
      4. Submit final Certification by Load Test, Other Evidence of Strength (full or partial refurbishment or NEW in lieu of load test), or Opinion Disclaimer Affidavit stating inspection evaluation determined the Fire Escape System FAILED and is NOT structurally sound and/or painted.
      5. Repeat every 5 years.