



PRESSURIZED STAIR SHAFT PERFORMANCE TEST REPORT

Name of Building: _____
 Date of Test: _____ Address of Building: _____
 Type of Test: Acceptance: _____ Regulation 4: _____ LAFD Witness, if any: _____
 Tester: _____ Company: _____ Cert. of Fitness #: _____

STAIR SHAFT INFORMATION

LAFD Stair Number: _____ Location: _____ Floor Levels Served: _____
 Location of Fan(s): _____ Location of Relief Openings(s): _____
 Typical Cross Section Area: _____ in. x _____ in. = _____ sq. in. ÷ 144 sq. in./sq. ft. = _____ sq. ft.
 Air Flow Requirement: Cross Sectional Area of _____ sq. ft. x 50 ft./min. = _____ cubic feet per minute (CFM).
 Top Relief opening area: _____ in. x _____ in. = _____ sq. in./144 sq. in. = _____ sq. ft.
 Bottom relief opening area: _____ in x _____ in. = _____ sq. in./144 sq. in. = _____ sq. ft.

PERFORMANCE TEST:

1. AUTOMATIC START (from any fire alarm device in building.): RESULTS:
2. AIR FLOW TEST: Air flow taken with rotating vane anemometer (or approved equivalent device) measured uniformly across the surface of the relief opening(s) for one minute:

Air flow calculation (Top): _____ ft./min. x _____ sq. ft. of relief openings = _____ CFM.
 Air flow calculation (Bottom): _____ ft./min. x _____ sq. ft. of relief openings = _____ CFM

RESULTS:

3. TEST OF OPENING PRESSURE FOR DOORS OPENING INTO STAIRSHAFT:

- A. Door opening pressure was obtained from an approved testing device applied in a direct vertical line above axis of the door knob/lever.
- B. Tests 1 and 2 were performed with the stair shaft pressurization system in operation. Test 1 was with all doors closed (maximum allowable pressure 25 lbs.); Test 2 was with any other door open (maximum allowable pressure 15 lbs.) Record pressure reading.
- C. Test 3 was performed with the stair shaft pressurization system off. "OK" indicates the door properly closed and latched after being opened; "NG" indicates the door failed to properly close and latch.

Location	Test 1 Pressure	Test 2 Pressure	Test 3 Pressure

Location	Test 1 Pressure	Test 2 Pressure	Test 3 Pressure

Location	Test 1 Pressure	Test 2 Pressure	Test 3 Pressure

RESULTS: Satisfactory If unsatisfactory, which doors need repair? _____

4. TEST OF DOORS OPENING OUT OF STAIR SHAFT:

- A. Test 1 was performed with the pressurization system in operation. "OK" indicates the door properly closed and latched after being opened; "NG" indicates the door failed to properly close and latch.
- B. Test 2 was performed with the pressurization system off (max. allowable pressure 25 lbs.).

Location	Test 2 Closure	Test 2 Closure

Location	Test 2 Closure	Test 2 Closure

Location	Test 2 Closure	Test 2 Closure

RESULTS: If unsatisfactory, which doors need repair? _____

Signature of Tester: _____ Print Name: _____
 Signature of LAFD Witness, if any _____ Print Name: _____