

**Iowa Division of Labor
Elevator Safety**

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Escalator Test & Inspection Report

ASME A17.1 – Sections 8.10.4 and 8.11.4

Annual Acceptance
5-Year Alteration

State ID: _____

| |
|--------------------|
| Date tested: _____ |
| Passed inspection |
| Passed test |
| Failed inspection |
| Failed test |

Complete all items at time of acceptance, alteration or 5-year tests. Write "N/A" if not applicable. Form will be returned if not completed. **Submit copy of step skirt index computer printout with this report.**

Escalator Information

| | | | | | | | | | |
|---------------|-----|-----------|------------------------|--|----------------------|----------------------------|---|-------|-----|
| Owner name | | | | Building name | | | | | |
| Owner address | | | | Location address | | | | | |
| City | | | State | Zip | City | | | State | Zip |
| Manufacturer | | | Installed code edition | | Serial # | | Normal travel of direction: up down | | |
| Rated Speed: | fpm | Capacity: | lbs | Brake torque data plate: <small>(1983 or later)</small> | Brake torque Actual: | Calibration Certificate #: | | | |

1. ASME A17.1 Section 8, step/skirt performance index

The escalator skirt shall not be cleaned, lubricated or otherwise modified in preparation for testing. The escalator instantaneous step/skirt index measurements (ASME A17.1 Rule 8.6.8.3) shall be recorded at intervals no larger than 150 mm (6 in) from each side of two distinct steps along the inclined portion of the escalator, where the steps are fully extended. Test steps shall be separated by a minimum of 8 steps.

| | | | | |
|--------------|---------------|--------------|---------------|----------------------------------|
| Step 1 left: | Step 1 right: | Step 2 left: | Step 2 right: | Skirt deflectors: Yes No |
|--------------|---------------|--------------|---------------|----------------------------------|

2. ASME A17.1 Section 8, clearance between step and skirt (loaded gap installed under ASME A17.1d-2000)

Loaded gap measurements shall be taken at intervals not exceeding 300 mm (12 in) in transition region (ASME A17.1 Rule 8.6.8.2) and before the steps are fully extended. These measurements shall be made independently on each side of the escalator.

| | | | |
|-------------------|--------------------|----------------------|-----------------------|
| Top landing left: | Top landing right: | Bottom landing left: | Bottom landing right: |
|-------------------|--------------------|----------------------|-----------------------|

3. ASME A17.1 Section 8, clearance between step and skirt (unloaded gap installed prior to ASME A17.1d-2000)

Unloaded gap measurements shall be taken at several locations through entire travel. Gaps cannot exceed maximums found in ASME A17.1 Rule 8.6.8.2.

| | | | |
|-------------------|--------------------|----------------------|-----------------------|
| Top landing left: | Top landing right: | Bottom landing left: | Bottom landing right: |
|-------------------|--------------------|----------------------|-----------------------|

Top comb-step impact device (if provided)

| | | |
|----------------------------------|---------------------------------|--------------------------------|
| Center: lbs | Right: lbs | Left: lbs |
|----------------------------------|---------------------------------|--------------------------------|

Bottom comb-step impact device (if provided)

| | | |
|----------------------------------|---------------------------------|--------------------------------|
| Center: lbs | Right: lbs | Left: lbs |
|----------------------------------|---------------------------------|--------------------------------|

State ID#: _____

Date Tested: _____

Escalator Test & Inspection Report Continued

PASS = meets requirements; FAIL = comment at the bottom of this checklist; N/A = not applicable

| Item | PASS | FAIL | N/A | Item | PASS | FAIL | N/A |
|--|------|------|-----|--|------|------|-----|
| 1. General fire protection | | | | 16. Caution signs | | | |
| 2. Geometry | | | | 17. Deck barricades and antislid | | | |
| 3. Handrails | | | | 18. Steps and upthrust device | | | |
| 4. Entrance and egress ends | | | | 19. Operating and safety devices | | | |
| 5. Lighting | | | | 20. Skirt obstruction device | | | |
| 6. Brake torque actual using certified wrench | | | | 21. Egress restriction (rolling shutter) device | | | |
| 7. Speed governor | | | | 22. Speed | | | |
| 8. Machinery, space access, lighting, receptacle and condition stop switch | | | | 23. Broken drive chain and disconnected motor safety switch | | | |
| 9. Step/skirt clearance, panels and performance index | | | | 24. Handrail systems and safety devices (speed-stall device) | | | |
| 10. Outdoor protection | | | | 25. Broken step chain device | | | |
| 11. Steps and upthrust device | | | | 26. Missing step device | | | |
| 12. Balustrades | | | | 27. Steps, step chains and trusses | | | |
| 13. Controller and wiring | | | | 28. Reversal stop switch | | | |
| 14. Drive machine and brake | | | | 29. Code data plate | | | |
| 15. Response to smoke detectors | | | | 30. Step lateral displacement devices | | | |

Each item is referenced is ASME A17.2 – 2014 guide for inspection

Reference the number above that failed to meet requirements and explanation of why it did not prove satisfactory

| # | Explanation |
|---|-------------|
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Comments

4. ASME A17.1 section 8 metal tag with the test date, the requirement number requiring the test and the name of the person or firm performing the test shall be installed in each machine room.

I certify that the above tests were performed in compliance with ASCME A17.1 section 8.6.8.15

| | | | |
|--------------------------|------------|--------------|------|
| Company performing test | Name | Phone number | Date |
| Elevator company address | City | State | Zip |
| Test witnessed by (name) | Date | Phone number | |
| QEI provider | QEI number | | |