

Elevator and Escalator Maintainer Education and Experience Test Paper

FOR OFFICE USE ONLY

Rating _____

NQ Code _____

RATER(S) _____

Social Security Number: _____

Today's Date: ____/____/____

Instructions:

Carefully read these instructions and either write or select the appropriate responses as directed. This Education and Experience Form will be used to evaluate your education and experience. **To obtain appropriate credit, you must complete this form accurately and completely.**

The information on this form must be verifiable. At the time of consideration for appointment, you will be required to complete additional forms and describe your education and experience in more detail. You may be disqualified if your statements are found to be false, exaggerated, or misleading and you may be barred from future employment with MTA New York City Transit. Your education and experience will be subject to verification by Background Investigations.

Please indicate which of the following best describes your education and experience that you possess by checking off the box that relates to your educational experience background:

- Successful completion of a **four-year, full-time apprenticeship** in the construction, repair and maintenance of elevators and/or escalators recognized by the New York State Department of Labor, the U.S. Department of Labor; or any apprenticeship council that is recognized by the U.S. Department of Labor; **or**
 - Please state the name of the apprenticeship: _____
 - Please list the start and end date of the apprenticeship: _____
- Three years of full-time satisfactory experience at the journey level** (i.e., fully-trained, knowledgeable, proficient and competent mechanic) in the maintenance, inspection, testing, alteration and repair of electric and hydraulic passenger or freight elevators, escalators, and associated electro-mechanical equipment; **or**
- Two years of full-time satisfactory experience at the journey level as described in paragraph "2." above, plus completion of one of the following listed below **before obtaining your journey-level experience:**
 - **Two years** of full-time satisfactory experience performing work described above in "2." as a mechanic's helper, apprentice or trainee; **or**
 - Graduation from a recognized trade school or technical school, with a major course of study in electro-mechanical, electrical or electronic technology, or a closely related field totaling 600 hours; **or**
 - Graduation from a vocational high school, with a major course of study in electro- mechanical, electrical or electronic technology, or a closely related field; **or**
 - An associate degree or a higher-level degree, from an accredited college or university with a major course of study in electro-mechanical, electrical or electronic technology, or a closely related field.
- Less than two years** of full-time experience as a elevator and escalator maintainer at the journey level (i.e. fully trained proficient, knowledgeable, experienced, and competent) in the maintenance, inspection, testing, alteration and repair of electric and hydraulic passenger or freight elevators, escalators, and associated electro-mechanical equipment
- I do not possess any of the above education or experience

License

New York City Transit Elevator and Escalator Maintainers must possess a New York State Department of Labor Elevator Mechanic License.

- I possess a valid Elevator Mechanic License issued by the New York State Department of Labor
 - License number: _____
- I **do not** possess a valid Elevator Mechanic License issued by the New York State Department of Labor

Education History

What is your highest level of education?

- High School
- Trade School or Vocational High School
- Associate's Degree (or a higher-level degree)

Name of School: _____ ○ USA ○ Foreign

Date of Graduation: ____ / ____ State: _____

Country: _____

Specialty/Title of Degree: _____

Number of hours completed in specialty (Trade School or Vocational High School Only): _____

Employment History

Please use the section below and following pages to enter any employment history that you would like to use to be considered for qualification for this position. You do not need to list jobs that do not pertain to elevators and escalators. Start with the position that you held where you worked for the greatest number of years.

Job No. 1

Name of employer: _____

Your job title: _____

Dates of employment: _____ to _____

How many hours per week did you work on average: _____

This experience was (check one):

- Journey
- Helper

Using the list of tasks below, select all of the tasks that you performed at this job:

- 1. Maintains, installs, inspects, tests, alters, and repairs electrical and mechanical equipment, such as elevator cabs, doors, rails, cables, ropes, sheaves, governors, bumpers, safeties, overloads, relays, door controls, step treads, and associated elevator and escalator control equipment.
- 2. Utilizes powered machines, powered and non-powered hand tools, test meters; and may also fabricate parts.
- 3. Utilizes schematic diagrams, technical manuals and drawings to perform work.
- 4. Cleans and lubricates all components of hydraulic and electric elevators, and escalators
- 5. Operates a motor vehicle to and from job sites, and loads and unloads tools, equipment and material.
- 6. Inspect new equipment and material at manufacturing plants.
- 7. Test newly installed equipment to ensure that it meets specifications.
- 8. Locate malfunctions in brakes, motors, switches, and signal and control systems, using test equipment.
- 9. Construct foundation for machines, using hand tools and building materials such as wood, cement, and steel.
- 10. Shrink-fit bushings, sleeves, rings, liners, gears, and wheels to specified items, using portable gas heating equipment.
- 11. Check that safety regulations and building codes are met, and complete service reports verifying conformance to standards.
- 12. Connect and inspect electrical wiring to control panels and electric motors.
- 13. Adjust safety controls, counterweights, door mechanisms, and components such as valves, ratchets, seals, and brake linings.
- 14. Install and repair interior flooring, fixtures, walls, plumbing, steps, and platforms.
- 15. Disassemble defective units, and repair or replace parts such as locks, gears, cables, and electric wiring.
- 16. Operate engine lathe to grind, file, and turn machine parts to dimensional specifications.
- 17. Position, attach, or blow insulating materials to prevent energy losses from buildings, pipes, or other structures or objects.
- 18. Install outer doors and door frames at elevator entrances on each floor of a structure.
- 19. Operate elevators to determine power demands and test power consumption to detect overload factors.
- 20. Assemble electrically powered stairs, steel frameworks, and tracks, and install associated motors and electrical wiring.
- 21. Cut prefabricated sections of framework, rails, and other components to specified dimensions.

*Only complete this section if you have additional relevant work history

Job No. 2

Name of employer: _____

Your job title: _____

Dates of employment: _____ to _____

How many hours per week did you work on average: _____

This experience was (check one):

Journey

Helper

Using the list of tasks below, select all of the tasks that you performed at this job:

- 1. Maintains, installs, inspects, tests, alters, and repairs electrical and mechanical equipment, such as elevator cabs, doors, rails, cables, ropes, sheaves, governors, bumpers, safeties, overloads, relays, door controls, step treads, and associated elevator and escalator control equipment.
- 2. Utilizes powered machines, powered and non-powered hand tools, test meters; and may also fabricate parts.
- 3. Utilizes schematic diagrams, technical manuals and drawings to perform work.
- 4. Cleans and lubricates all components of hydraulic and electric elevators, and escalators
- 5. Operates a motor vehicle to and from job sites, and loads and unloads tools, equipment and material.
- 6. Inspect new equipment and material at manufacturing plants.
- 7. Test newly installed equipment to ensure that it meets specifications.
- 8. Locate malfunctions in brakes, motors, switches, and signal and control systems, using test equipment.
- 9. Construct foundation for machines, using hand tools and building materials such as wood, cement, and steel.
- 10. Shrink-fit bushings, sleeves, rings, liners, gears, and wheels to specified items, using portable gas heating equipment.
- 11. Check that safety regulations and building codes are met, and complete service reports verifying conformance to standards.
- 12. Connect and inspect electrical wiring to control panels and electric motors.
- 13. Adjust safety controls, counterweights, door mechanisms, and components such as valves, ratchets, seals, and brake linings.
- 14. Install and repair interior flooring, fixtures, walls, plumbing, steps, and platforms.
- 15. Disassemble defective units, and repair or replace parts such as locks, gears, cables, and electric wiring.
- 16. Operate engine lathe to grind, file, and turn machine parts to dimensional specifications.
- 17. Position, attach, or blow insulating materials to prevent energy losses from buildings, pipes, or other structures or objects.
- 18. Install outer doors and door frames at elevator entrances on each floor of a structure.
- 19. Operate elevators to determine power demands and test power consumption to detect overload factors.
- 20. Assemble electrically powered stairs, steel frameworks, and tracks, and install associated motors and electrical wiring.
- 21. Cut prefabricated sections of framework, rails, and other components to specified dimensions.

*Only complete this section if you have additional relevant work history

Job No. 3

Name of employer: _____

Your job title: _____

Dates of employment: _____ to _____

How many hours per week did you work on average: _____

This experience was (check one):

Journey

Helper

Using the list of tasks below, select all of the tasks that you performed at this job:

- 1. Maintains, installs, inspects, tests, alters, and repairs electrical and mechanical equipment, such as elevator cabs, doors, rails, cables, ropes, sheaves, governors, bumpers, safeties, overloads, relays, door controls, step treads, and associated elevator and escalator control equipment.
- 2. Utilizes powered machines, powered and non-powered hand tools, test meters; and may also fabricate parts.
- 3. Utilizes schematic diagrams, technical manuals and drawings to perform work.
- 4. Cleans and lubricates all components of hydraulic and electric elevators, and escalators
- 5. Operates a motor vehicle to and from job sites, and loads and unloads tools, equipment and material.
- 6. Inspect new equipment and material at manufacturing plants.
- 7. Test newly installed equipment to ensure that it meets specifications.
- 8. Locate malfunctions in brakes, motors, switches, and signal and control systems, using test equipment.
- 9. Construct foundation for machines, using hand tools and building materials such as wood, cement, and steel.
- 10. Shrink-fit bushings, sleeves, rings, liners, gears, and wheels to specified items, using portable gas heating equipment.
- 11. Check that safety regulations and building codes are met, and complete service reports verifying conformance to standards.
- 12. Connect and inspect electrical wiring to control panels and electric motors.
- 13. Adjust safety controls, counterweights, door mechanisms, and components such as valves, ratchets, seals, and brake linings.
- 14. Install and repair interior flooring, fixtures, walls, plumbing, steps, and platforms.
- 15. Disassemble defective units, and repair or replace parts such as locks, gears, cables, and electric wiring.
- 16. Operate engine lathe to grind, file, and turn machine parts to dimensional specifications.
- 17. Position, attach, or blow insulating materials to prevent energy losses from buildings, pipes, or other structures or objects.
- 18. Install outer doors and door frames at elevator entrances on each floor of a structure.
- 19. Operate elevators to determine power demands and test power consumption to detect overload factors.
- 20. Assemble electrically powered stairs, steel frameworks, and tracks, and install associated motors and electrical wiring.
- 21. Cut prefabricated sections of framework, rails, and other components to specified dimensions.

*Only complete this section if you have additional relevant work history

Job No. 4

Name of employer: _____

Your job title: _____

Dates of employment: _____ to _____

How many hours per week did you work on average: _____

This experience was (check one):

Journey

Helper

Using the list of tasks below, select all of the tasks that you performed at this job:

- 1. Maintains, installs, inspects, tests, alters, and repairs electrical and mechanical equipment, such as elevator cabs, doors, rails, cables, ropes, sheaves, governors, bumpers, safeties, overloads, relays, door controls, step treads, and associated elevator and escalator control equipment.
- 2. Utilizes powered machines, powered and non-powered hand tools, test meters; and may also fabricate parts.
- 3. Utilizes schematic diagrams, technical manuals and drawings to perform work.
- 4. Cleans and lubricates all components of hydraulic and electric elevators, and escalators
- 5. Operates a motor vehicle to and from job sites, and loads and unloads tools, equipment and material.
- 6. Inspect new equipment and material at manufacturing plants.
- 7. Test newly installed equipment to ensure that it meets specifications.
- 8. Locate malfunctions in brakes, motors, switches, and signal and control systems, using test equipment.
- 9. Construct foundation for machines, using hand tools and building materials such as wood, cement, and steel.
- 10. Shrink-fit bushings, sleeves, rings, liners, gears, and wheels to specified items, using portable gas heating equipment.
- 11. Check that safety regulations and building codes are met, and complete service reports verifying conformance to standards.
- 12. Connect and inspect electrical wiring to control panels and electric motors.
- 13. Adjust safety controls, counterweights, door mechanisms, and components such as valves, ratchets, seals, and brake linings.
- 14. Install and repair interior flooring, fixtures, walls, plumbing, steps, and platforms.
- 15. Disassemble defective units, and repair or replace parts such as locks, gears, cables, and electric wiring.
- 16. Operate engine lathe to grind, file, and turn machine parts to dimensional specifications.
- 17. Position, attach, or blow insulating materials to prevent energy losses from buildings, pipes, or other structures or objects.
- 18. Install outer doors and door frames at elevator entrances on each floor of a structure.
- 19. Operate elevators to determine power demands and test power consumption to detect overload factors.
- 20. Assemble electrically powered stairs, steel frameworks, and tracks, and install associated motors and electrical wiring.
- 21. Cut prefabricated sections of framework, rails, and other components to specified dimensions.