Urban Elevator Service, Inc.
Continuing Education Program

Course Offering List - 2011

Code Courses

C101 Category 1, 3 & 5 Testing Requirements A17.1 (2 hr) - ***Formerly T116***
C102 A17.1-2007 - General Requirements and Common Elements (4 hr)
C103 A17.1-2007 and the Electric Elevator (2 hr)
C104 A17.1-2007 and the Hydraulic Elevator (2 hr)
C105 A17.1-2007 - Special Application AND Non-Standard Driving Machine Elevators (2 hr)
C106 A17.1-2007 - Escalators, Moving Walks, Dumbwaiters AND Material Lifts (2 hr)
C107 Introduction to A17.2-2004 Guide for Inspections of Elevators, Escalators and Moving Walks (4 hr)
C108 Introduction and Overview of A17.1-2007 (8 hr) - ***Formerly T115***

Safety Courses

S101 Introduction to OSHA (1 hr)
S102 OSHA “Focus Four” Hazards (2 hr)
S103 OSHA - P.P.E. (1 hr)
S104 OSHA - Health Hazards in Construction (1 hr)
S105 OSHA - Stairways & Ladders (1hr)
S106 OSHA - Hand & Power Tool Safety (1 hr)
S107 OSHA - Scaffolds (1hr)
S108 OSHA - Material Handling (1hr)
S109 OSHA - Welding Safety (1 hr)
S110 Lock Out / Tag Out (½ hr)
S111 OSHA - Fire Protection (½ hr)
S112 OSHA - Rigging Safety (1 hr)
S113 OSHA Inspections (1 hr)
S114 Elevator Safety (2 hr)
S115 CPR/First Aid (6 hr)
S116 Forklift Safety (2 hr) – Required for all employees that operate forklifts
S117 OSHA - Jobsite Safety Administration (1 hr)

Technical Courses

T100 Otis Service Tool (4 hr)
T101 Thyssen Service Tool (4 hr)
T102 Schindler Service Tool (4 hr)
T103 Trouble Shooting M.C.E. PTC Controllers (3 hr)
T104 Trouble Shooting M.C.E. IMC Controllers (4 hr)
T105 Trouble Shooting M.C.E. Performa Controllers (4 hr)
T106 Adjusting M.C.E. I Box Controllers (4 hr)
T107 Trouble Shooting G.A.L. Controllers (4 hr)
T108 Adjusting G.A.L. Galaxy Controllers (4 hr)
T109 Adjusting G.A.L. MOVFR Door Operator (3 hr)
T110 Proper Use of the Dial Type Feeler Guage and Motor Alignment (4 hr)
T111 Installation and Adjustment of the Hollister-Whitney Rope Break Gripper (2 hr)
T112 General Maintenance (2 hr)
T113 Horizontal Power Door Maintenance (1½ hr)
T114 Emergency Phone Applications (2 hr)

Category 1, 3 & 5 Testing Requirements A17.1

Course Information			
Instructor:	Brian Skoczylas	**Class E-mail:**	bskoczylas@urbanelevator.com
Location:	Corporate Training Room	**Length of Course:**	(2) Two Hours
Course#	C101		

Course Description

Course shall include the various testing requirements of Category 1, 3 & 5 according to A17.1.

Course Objectives:

- Complete description of the various types of tests and frequency in which they are to occur;
- Comprehensive description of the various applications and the procedures required to achieve the proper results;
- Proper documentation of the tests being performed;
- Instructional handouts provided upon course completion.

A17.1-2007- General Requirements and Common Elements

Course Information			
Instructor:	Brian Skoczylas	**Class E-mail:**	bskoczylas@urbanelevator.com
Location:	Corporate Training Room	**Length of Course:**	(4) Four Hours
Course#	C102		

Course Description

Course shall include a general overview and familiarity with A17.1 Safety code for Elevators and Escalators. Course shall focus on Part 1 inclusive, Section 2.1 and Section 3.1 drawing in relevant material of parts II & III, as well as, from A17.3 Safety code for Existing Elevators and Escalators.

Course Objectives:

- Part I General purpose;
- Exceptions;
- 2.1/3.1 Construction of Hoistways and Hoistway Enclosures for Elevators
- 2.2/3.2 Pits;
- 2.3/3.3 Location and Guarding of Counterweights;
- 2.5/3.5 Horizontal Clearances;
- 2.7/3.7 Machine Room and Machinery Spaces;
- 2.8/3.8 Electrical Equipment, wiring, pipes and ducts in hoistways and machine rooms;
- 2.9/3.9 Machinery and Sheave Beams, Supports and Foundations;
- 2.10/3.10 Guarding of exposed equipment;
- 2.11/3.11 Protection of Hoistway landings and openings;
- 2.12/ 3.12 Hoistway door locking devices, electrical contacts and hoistway access;
- 2.13/3.13 Power operation of doors;
- 2.14/3.14 Car enclosures, Car doors, Gates and Illumination;
- 2.16/3.16 Capacity and Loading;
- 2.20/3.20 Ropes and Rope Connections;
- 2.21/3.21 Counterweights;
- 2.23/3.23 Guide rails, guide rail supports and fastenings;
- 2.27/3.27 Emergency operation and Signaling devices.

A17.1-2007 and the Electric Elevator

Course Information			
Instructor:	Brian Skoczylas	**Class E-mail:**	bskoczylas@urbanelevator.com
Location:	Corporate Training Room	**Length of Course:**	(2) Two Hours
Course#	C103		

Course Description

Course shall include a general overview and familiarity with A17.1 Safety code for Elevators and Escalators. Course shall focus on Part 2 and those sections specific to Electric Elevators drawing in relevant material from A17.3 Safety Code for Existing Elevators and Escalators.

Course Objectives:

- 2.4 Vertical Clearances and Runbys for Car and Counterweights;
- 2.6 Protection of Space below Hoistways;
- 2.15 Car Frames and Platforms;
- 2.17 Car and Counterweight Safeties;
- 2.18 Speed Governors;
- 2.19 Ascending Car Overspeed and Unintended Car Movement Protection;
- 2.22 Buffers and Bumpers;
- 2.24 Driving Machines and Sheaves;
- 2.25 Terminal Stopping Devices;
- 2.26 Operating Devices and Control Equipment;
- 2.28 Layout Drawings;
- 2.29 Identification.

A17.1-2007 and the Hydraulic Elevator

Course Information			
Instructor:	Brian Skoczylas	**Class E-mail:**	bskoczylas@urbanelevator.com
Location:	Corporate Training Room	**Length of Course:**	(2) Two Hours
Course#	C104		

Course Description

Course shall include a general overview and familiarity with A17.1 Safety code for Elevators and Escalators. Course shall focus on Part 3 and those sections specific to Hydraulic Elevators drawing in relevant material from A17.3 Safety Code for Existing Elevators and Escalators.

Course Objectives:

- 3.2 Pits (specific to Roped Hydraulics);
- 3.4 Bottom and Top Clearances and Runbys for Cars and Counterweights;
- 3.6 Protection of Spaces Below Hoistway;
- 3.15 Car Frames and Platforms;
- 3.17 Car Safeties, Counterweight Safeties, Plunger Gripper and Governors;
- 3.18 Hydraulic Jacks;
- 3.19 Valves, Pressure Piping and Fittings;
- 3.22 Buffers and Bumpers;
- 3.24 Hydraulic Machines and Tanks;
- 3.25 Terminal Stopping Devices;
- 3.26 Operating Devices and Control Equipment;
- 3.27 Variations from 2.27;
- 3.28 Layout Data;
- 3.29 Identification.

A17.1-2007 – "Special Application" and "Non-Standard Driving Machine" Elevators

Course Information			
Instructor:	Brian Skoczylas	**Class E-mail:**	bskoczylas@urbanelevator.com
Location:	Corporate Training Room	**Length of Course:**	(2) Two Hours
Course#	C105		

Course Description

Course shall include a general overview and familiarity with A17.1 Safety code for Elevators and Escalators. Course shall focus on Part 4 and those sections specific to Elevators with Other Types of Driving Machines and Part 5 and those sections specific to Special Application Elevators drawing in relevant material from A17.3 Safety Code for Existing Elevators and Escalators.

Course Objectives:

- 4.1 Rack-and-Pinion Elevators;
- 4.2 Screw-Column Elevators;
- 4.3 Hand Elevators;
- 5.1 Inclined Elevators;
- 5.2 LULA Elevators;
- 5.3 Private Residence Elevators;
- 5.4 Private Residence Inclined Elevators;
- 5.5 Power Sidewalk Elevators;
- 5.6 Rooftop Elevators;
- 5.7 Special Purpose Personnel Elevators;
- 5.8 Shipboard Elevators;
- 5.9 Mine Elevators;
- 5.10 Elevators Used for Construction

A17.1-2007 – Escalators, Moving Walks, Dumbwaiters and Material Lifts

Course Information			
Instructor:	Brian Skoczylas	**Class E-mail:**	bskoczylas@urbanelevator.com
Location:	Corporate Training Room	**Length of Course:**	(2) Two Hours
Course#	C106		

Course Description

Course shall include a general overview and familiarity with A17.1 Safety code for Elevators and Escalators. Course shall focus on Part 6 and those sections specific to Escalators and Moving Walks and Part 7 and those sections specific to Dumbwaiters and Material Lifts drawing in relevant material from A17.3 Safety Code for Existing Elevators and Escalators.

Course Objectives:

- 6.1 Escalators;
- 6.2 Moving Walks;
- 7.1 Power and Hand Dumbwaiters Without Automatic Transfer Devices;
- 7.2 Electric and Hand Dumbwaiters Without Automatic Transfer Devices;
- 7.3 Hydraulic Dumbwaiters Without Automatic Transfer Devices;
- 7.4 Material Lifts Without Automatic Transfer Devices;
- 7.5 Electric Material Lifts Without Automatic Transfer Devices;
- 7.6 Hydraulic Material Lifts Without Automatic Transfer Devices;
- 7.7 Automatic Transfer Devices;
- 7.8 Power Dumbwaiters With Automatic Transfer Devices;
- 7.9 Electric Material Lifts With Automatic Transfer Devices;
- 7.10 Hydraulic Material Lifts With Automatic Transfer Devices;
- 7.11 Material Lifts With Obscured Transfer Devices;

Introduction to A17.2-2004 Guide for Inspections of Elevators, Escalators and Moving Walks

Course Information			
Instructor:	Brian Skoczylas	**Class E-mail:**	bskoczylas@urbanelevator.com
Location:	Corporate Training Room	**Length of Course:**	(4) Four Hours
Course#	C107		

Course Description

Course shall include a general overview and familiarity with A17.2 Guide for Inspecting Elevators, Escalators and Moving Walks. Course shall focus routine and periodic inspection requirements as well as acceptance criteria.

Course Objectives:

- Help the mechanic develop an "inspector's eye" in his daily work. An increased knowledge of inspection requirements and acceptance criteria will aid the mechanic in finding deficiencies and correcting them on a daily basis.
- Provide the mechanic with tools to better prepare for and work with inspectors during periodic inspections, resulting in more pleasant, efficiently executed inspections and ultimately fewer violations.

Introduction and Overview of A17.1-2007

Course Information			
Instructor:	Brian Skoczylas	**Class E-mail:**	bskoczylas@urbanelevator.com
Location:	Corporate Training Room	**Length of Course:**	(8) Eight Hours
Course#	C108		

Course Description

Course shall include a general overview and familiarity with A17.1 Safety code for Elevators and Escalators.

Course Objectives:

- General purpose and Exceptions
- Electric Elevators
- Hydraulic Elevators
- Elevators with other Types of Driving Machines
- Special Application Elevators
- Escalators and Moving Walks
- Dumbwaiters and Material Lifts
- General Requirements

Introduction to OSHA – S101

Course Outline (1 Hour)

Brief introduction to OSHA covering what the administration was designed to do, how it attempts to achieve its goal of workplace safety, rights and responsibilities of both workers and employers, workplace inspections and the various ways OSHA provides assistance to both workers and employers. This course is a required component of the 10 hour card program.

Course Outline

- Introduction to OSHA
  - Purpose: Responsible for worker health and safety
  - Methods for achieving that Purpose
  - Who is covered by OSHA Act.
  - Introduction to the "OSHA Standard"

- Requirements
  - Recordkeeping & reporting
  - Workers rights & responsibilities
  - Employers rights & responsibilities

- Workplace Inspections

- Sources of Assistance
  - Website
  - Offices
  - Consulting
  - Hot Line

- Subpart C – General Safety & Health Provisions
  - Contractor Requirements
    - Training & Education
    - First Aid & Medical Care
    - Fire Protection
    - Housekeeping
    - Illumination
    - Record Keeping
    - Safety Program Requirements

OSHA Focus Four Training – S102

Course Outline (2 Hour)

This course provides a foundation in the four areas that have been found to be at the root of all construction site injuries: Electrical Safety, Fall Protection, Struck By and Caught Between.

This course is a required component of the 10 hour card program.

Course Outline

- Electrical Safety
  - Introduction
  - Hazards vs. Controls
    - Lock out / Tag out circuits
    - Safe work practices

- Electrical Safety
  - Introduction
    - Fall protection options
    - Proper planning
  - Types of fall protection
  - When fall protection is required
  - Safe work practices
  - Training requirements

- Struck By & Caught Between
  - Overview

Personal Protective Equipment – S103

Course Outline (1 Hour)

This course covers OSHA requirements regarding PPE. Covered topics include preliminaries to the use of PPE, the overall PPE program and the most common types of PPE. This course is a required component of the 10 hour card program.

Course Outline

- Introduction
- Controlling Workplace Hazards
  - Engineering Controls
  - Workplace practice controls
  - PPE
- Training
- Head Protection
- Eye Protection
- Hearing Protection
- Foot protection
- Hand protection
- Body protection

Health Hazards in Construction – S104

Course Outline (1 Hour)

This course covers accepted methods of controlling exposure to environmental hazards. Areas of focus include HazCom programs, MSDS, crystalline silica & lead exposure. This course is a required component of the 10 hour card program.

Course Outline

- Introduction

- Hazards & Controls
  - Sanitation
  - Noise exposure
  - Radiation exposure
  - Airborne hazards
  - Lighting
  - Ventilation

- Hazard Communication Program
  - Written program
  - Labeling requirements
  - MSDS
  - Employee information & training

- MSDS practicum

- Crystalline Silica

- Lead

Stairways & Ladders – S105

Course Outline (1 Hour)

This course covers OSHA requirements for stairways and ladders in a construction environment. Areas covered include stair tread and handrail requirements, ladder use, positioning and inspection requirements. This course is a required component of the 10 hour card program.

Course Outline

- Introduction

- Stairways
  - Handrails & Stair-rails
  - Temporary Stairways
  - Landings & Platforms

- Ladders
  - General requirements
  - Securing ladders
  - Portable ladders
    - Proper angles
    - Extension requirements
  - Fixed ladders

- Hazards
  - Electrical
  - Top Step
  - Improper use
  - Damaged/defective

- Training

Hand & Power Tool Safety – S106

Course Outline (1 Hour)

This course covers the various hazards and necessary precautions when using hand tools and power tools. This course is a “Group B” component of the 10 hour card program.

Course Outline

- Introduction
  - Basic safety rules
- Hand Tools
- Power Tools
  - Switches
  - Precautions
  - Electrical Hazards
  - Grinding & cutting wheels
  - Proper guarding
  - Pneumatic Tools
  - Liquid fueled / powder actuated tools
- Jacks

Scaffolds – S107

Course Outline (1 Hour)

This course covers the various types of scaffold; the hazards generally associated with each type of scaffold and OSHA training, construction and inspection requirements. This course is a “Group B” component of the 10 hour card program.

Course Outline

- Introduction
  - Definition of a Scaffold
  - Types of Scaffold
- Hazards
  - Falls
  - Falling objects
  - Power lines
- Scaffold Construction
  - Platforms
  - Height requirements
  - Supports
- Access
- Suspension Scaffolds
- Moving Scaffolds
- Using Scaffolds
- Competent Person
  - Construction
  - Inspection
- Training

Material Handling, Storage, Use & Disposal – S108

Course Outline (1 Hour)

This course covers the hazards and necessary precautions involved in material handling as it relates to construction and demolition. This course is a "Group B" component of the 10 hour card program.

Course Outline

- Introduction
  - Overview
  - Typical injuries & hazards

- Manual handling
  - Safe lifting
  - PPE

- Material handling equipment
  - Forklifts
  - Heavy Equipment
  - Cranes

- Rigging
  - Slings
  - Chains
  - Wire Rope
  - Webbing

- Storing materials

- Housekeeping

- Waste disposal

Welding - S109

Course Outline (1 Hour)

This course covers OSHA Subpart J 1926.350-1926.354 (Welding Safety). This course is an elective component of the 10 hour card program.

Course Outline

- Introduction
- General Safety
  - Health hazards
  - Protective clothing & equipment
- Cylinder transport and storage
- Training
- Equipment
  - Valves
  - Manifolds
  - Hoses
  - Torches
- Arc Welding
- Fire Prevention
- Ventilation & Protection
- Preservative coatings

Lock Out / Tag Out – S110

Course Outline (½ Hour)

This course covers OSHA requirements for a lockout/tagout program and a hands-on step by step review of the Urban Program. This course is an elective component of the 10 hour card program.

Course Outline

- Introduction
- OSHA Requirements for Lockout/Tagout
- Lockout / Tagout practicum

Fire Protection & Prevention – S111

Course Outline (½ Hour)

This course covers OSHA requirements regarding fire protection programs on the job site. This course is an elective component of the 10 hour card program.

Course Outline

- Definitions
  - Combustible vs. Flammable Liquids
  - Flash Point
  - Flammable Limit
  - Safety Can
- Employers Responsibilities
- Fire Extinguishers
- Alarm Systems
- Storage of Flammable & Combustible Materials
- Dispensing Flammable & Combustible Liquids

Rigging – S112

Course Outline (1 Hour)

This course covers OSHA Subpart H 1926.251 (Rigging Equipment). This course is an elective component of the 10 hour card program.

Course Outline

- Introduction
  - Steel Chain
  - Wire Rope
  - Flexible Rope & Webbing
  - Shackles & Hooks

- Rigging Safety
  - Hooks
  - Chains
  - Wire Ropes

- Slings

- Calculating the Load

OSHA Inspections – S113

Course Outline (1 Hour)

This course covers OSHA inspections & Citations. Its purpose is to prepare workers so they know what to expect and what will be expected of them in the event of an OSHA inspection. This course is an elective component of the 10 hour card program.

Course Outline

- Introduction
- Inspection Priorities
- Inspection Process
    - Opening Conference
    - Inspection Tour
    - Closing Conference
- Violations
- Appeal Process
- Multi Employer Worksites
- Focused Inspections
- Clarification of Citation Policy

Elevator Safety – S114

Course Outline (2 Hour)

This course covers safety issues directly related to elevator work specifically as it relates to maintenance and construction. This course does not qualify as part of the 10 hour card program.

Course Outline

- Introduction

- Maintenance
  - Pit
  - Hoistway
  - Machine Room
  - Escalators & moving walks
  - MSDS
  - Solvents & paint
  - PPE
  - Harness & lanyard
  - Lockout/tagout
  - Jumpers

- Construction
  - PPE
  - Housekeeping
  - Lockout/tagout
  - Live Electric Circuits
  - Fall Protection
  - Proper use of ladders while constructing elevators
  - False cars
  - Beam clips, rigging slings and hitches
  - Hoisting procedures
  - Fire-preventive methods

- Urban Elevator Service, Inc. Hoistway Safety Policy Review

Forklift Safety – S116

Course Outline (2 Hour)

This course covers OSHA Subpart J 1926.350-1926.354 (Welding Safety). This course is REQUIRED for anyone who drives a forklift, but can NOT be used as part of the 10 hour card program.

Course Outline

- Introduction
- Scope of the OSHA Standard
- Background
- Training Requirements
- Maintaining Stability
- Types of Powered Industrial Trucks
- Operator Safety Training

Jobsite Safety Administration – S117

Course Outline (1 Hour)

This course is a review of sections 6, 7 & 8 of the Urban Elevator Safety Program. It is intended to insure that all field technicians understand the company's policies on pre-job planning, emergency procedures & incident reporting. This course does not qualify as part of the 10 hour card program OR Illinois State mechanics continuing education requirement.

Course Outline

- Introduction
- Pre-Job Planning
- Emergency Procedures
- Incident Reporting & Investigation
- Review of necessary forms

Otis Service Tool

Course Information			
Instructor:	Bruce Ivory	**Class E-mail:**	bivory@urbanelevator.com
Location:	Corporate Training Room	**Length of Course:**	(4) Four Hours
Course #	T100		

Course Description

Course shall include the interactive utilization of the Otis Service tool with various types of Otis Elevonic ® controller subsystems and door operators.

Course Objectives:

- Effective utilization of the Otis Service tool;
- Proper maneuvering through the various subsystems and their fault logs,
- Deciphering of acronyms' and fault codes;
- Hands-on utilization and general trouble shooting theory.

Thyssen Service Tool

Course Information			
Instructor:	Bruce Ivory	**Class E-mail:**	bivory@urbanelevator.com
Location:	Corporate Training Room	**Length of Course:**	(4) Four Hours
Course#	T101		

Course Description

Course shall include the interactive utilization of the Thyssen TAC 20/50 ® Service tool with various types of Thyssen controllers and door operators.

Course Objectives:

- Effective utilization of the TAC 20/50 Service tool;
- Proper maneuvering through the various systems and their fault logs,
- Deciphering of acronyms' and fault codes;
- Hands-on utilization and general trouble shooting theory.

Schindler Service Tool

Course Information			
Instructor:	Bruce Ivory	**Class E-mail:**	bivory@urbanelevator.com
Location:	Corporate Training Room	**Length of Course:**	(4) Four Hours
Course#	T102		

Course Description

Course shall include the interactive utilization of the Schindler Service tools with various types of Schindler controllers and door operators.

Course Objectives:

- Effective utilization of the Schindler Service tool;
- Proper maneuvering through the various systems and their fault logs,
- Deciphering of acronyms' and fault codes;
- Hands-on utilization and general trouble shooting theory.

Trouble Shooting M.C.E. PTC Controllers

Course Information			
Instructor:	Bruce Ivory	**Class E-mail:**	bivory@urbanelevator.com
Location:	Corporate Training Room	**Length of Course:**	(3) Three Hours
Course#	T103		

Course Description

Course shall include the interactive utilization of the M.C.E. PTC control systems prints and on-board diagnostic for the purpose of advanced trouble shooting.

Course Objectives:

- Controller functions
- Computer diagnostic tools
- Job print reading
- Pattern generation and fine tuning
- AC and DC drive adjustment
- Signal tracing
- Landing selector systems
- Sequence of operation
- Machine and rotating equipment concerns

Trouble Shooting M.C.E. IMC Controllers

Course Information			
Instructor:	Bruce Ivory	**Class E-mail:**	bivory@urbanelevator.com
Location:	Corporate Training Room	**Length of Course:**	(4) Four Hours
Course#	T104		

Course Description

Course shall include the interactive utilization of the M.C.E. IMC control systems prints, machine room diagnostics and on-board diagnostic for the purpose on advanced trouble shooting.

Course Objectives:

- Controller functions
- Computer diagnostic tools
- Job print reading
- Pattern generation and fine tuning
- AC and DC drive adjustment
- Signal tracing
- Landing selector systems
- Sequence of operation
- Machine and rotating equipment concerns

Trouble Shooting M.C.E. Performa Controllers

Course Information			
Instructor:	Bruce Ivory	**Class E-mail:**	bivory@urbanelevator.com
Location:	Corporate Training Room	**Length of Course:**	(4) Four Hours
Course#	T105		

Course Description

Course shall include the interactive utilization of the M.C.E. Performa Control systems prints, machine room diagnostics and on-board diagnostic for the purpose of advanced trouble shooting including the Performa's 12 Pulse drive.

Course Objectives:

- Controller functions
- Computer diagnostic tools
- Job print reading
- Pattern generation and fine tuning
- AC and DC drive adjustment
- Signal tracing
- Landing selector systems
- Sequence of operation
- Machine and rotating equipment concerns

Adjusting M.C.E. I Box Controllers

Course Information			
Instructor:	Bruce Ivory	**Class E-mail:**	bivory@urbanelevator.com
Location:	Corporate Training Room	**Length of Course:**	(4) Four Hours
Course#	T106		

Course Description

Course shall include the advanced adjusting of the M.C.E. I Control System and their drives.

Course Objectives:

- Effective adjustment procedures of the I Box Control System and their drive systems;
- Proper maneuvering through the various systems and their set up procedures,
- Deciphering of acronyms' and fault codes;
- General adjustment procedures.

Trouble Shooting G.A.L Controllers

Course Information			
Instructor:	Bruce Ivory	**Class E-mail:**	bivory@urbanelevator.com
Location:	Corporate Training Room	**Length of Course:**	(4) Four Hours
Course#	T107		

Course Description

Course shall include the interactive utilization of the G.A.L. Galaxy control systems prints and on-board diagnostic for the purpose on advanced trouble shooting.

Course Objectives:

- Controller functions
- Computer diagnostic tools
- Job print reading
- Pattern generation and fine tuning
- AC and DC drive adjustment
- Signal tracing
- Landing selector systems
- Sequence of operation
- Machine and rotating equipment concerns

Adjusting G.A.L. Galaxy Controllers

Course Information			
Instructor:	Bruce Ivory	**Class E-mail:**	bivory@urbanelevator.com
Location:	Corporate Training Room	**Length of Course:**	(4) Four Hours
Course#	T108		

Course Description

Course shall include the advanced adjusting of the Galaxy Hydraulic, DC and VVVF Control Systems and their drives.

Course Objectives:

- Effective adjustment procedures of the Galaxy Control System and their drive systems;
- Proper maneuvering through the various systems and their set up procedures,
- Deciphering of acronyms' and fault codes;
- General adjustment procedures.

Adjusting G.A.L. MOVFR Door Operators

Course Information			
Instructor:	Bruce Ivory	**Class E-mail:**	bivory@urbanelevator.com
Location:	Corporate Training Room	**Length of Course:**	(3) Three Hours
Course#	T109		

Course Description

Course shall include the advanced adjusting of the GAL MOVFR and Next Generation MOVFR door operator system.

Course Objectives:

- Adjustment Aids
- Preliminary Checks
- The parameter unit
- Parameter unit navigation
- Parameter adjustments
- Speed profiles of the MOVFR
- Cam setting versus distance
- Rotational cam setting
- Interfacing between G.A.L. certified light curtain and the MOVFR
- MOVFR connection diagram
- Fault description and Fault reset
- Applications for the heavy input
- Parameters list
- How to replace the drive

Proper use of the Dial Type Feeler Gauge and Motor Alignment

Course Information			
Instructor:	Bruce Ivory	**Class E-mail:**	bivory@urbanelevator.com
Location:	Corporate Training Room	**Length of Course:**	(4) Four Hours
Course#	T110		

Course Description

Course shall include the proper installation of a geared machine motor and alignment.

Course Objectives:

- Proper installation procedures for the geared type hoist motor;
- Proper use and installation of the dial type feeler gauge;
- Proper points of measurement and their relationship;
- Adjustment of shim to achieve the desired results;
- Hands-on training application.

Installation and Adjustment of the Hollister-Whitney Rope Brake Gripper

Course Information			
Instructor:	Bruce Ivory	**Class E-mail:**	bivory@urbanelevator.com
Location:	Corporate Training Room	**Length of Course:**	(2) Two Hours
Course#	T111		

Course Description

Course shall include the advanced installation and adjusting of the Hollister-Whitney rope brake gripper.

Course Objectives:

- History of and code requirements for elevator emergency brakes;
- The principle behind the Rope Gripper emergency brake;
- The components and basic operation of the Rope Gripper;
- Proper mounting of the brake unit and pump unit.
- Rope Gripper control circuits.
- Testing and inspection procedures for the Rope Gripper.

General Maintenance

Course Information			
Instructor:	Brian Skoczylas	**Class E-mail:**	bskoczylas@urbanelevator.com
Location:	Corporate Training Room	**Length of Course:**	(2) Two Hours
Course#	T112		

Course Description

Course shall include a general overview of routine and systematic maintenance which shall include: Safety, Appearance, Effective Communication, Procedures and Expectations.

Course Objectives:

- Maintenance Safety;
- P.P.E. and Dress;
- Appearance;
- Communicating with the Customers;
- Checking in and out Procedures;
- Proper Paper Work and Documentation.

Horizontal Power Door Maintenance

Course Information			
Instructor:	Bruce Ivory	**Class E-mail:**	bivory@urbanelevator.com
Location:	Corporate Training Room	**Length of Course:**	(1-1/2) One and one-half Hours
Course#	T113		

Course Description

Course shall include a general overview of routine and systematic maintenance procedures for horizontal sliding power operated doors.

Course Objectives:

- Maintenance Safety;
- Proper procedures for examination, lubrication and adjustment of the door operator;
- Proper procedures for examination, lubrication and adjustment of the hoistway door equipment;
- Communicating with the Customers;
- Checking in and out Procedures;
- Proper Paper Work and Documentation.

Emergency Phone Applications

Course Information			
Instructor:	Dana Cozzo	**Class E-mail:**	dcozzo@urbanelevator.com
Location:	Corporate Training Room	**Length of Course:**	(2) Two Hours
Course#	T114		

Course Description

Course shall include the proper installation, trouble shooting and programming of various hands free phone applications.

Course Objectives:

- Proper identification of the type of incoming phone line;
- Proper wiring applications for emergency phones;
- Trouble shooting an inoperative phone;
- Programming options for individual phone application.

Introduction and Overview of A17.1-2007

Course Information			
Instructor:	Brian Skoczylas	**Class E-mail:**	bskoczylas@urbanelevator.com
Location:	Corporate Training Room	**Length of Course:**	(8) Eight Hours
Course#	T115		

Course Description

Course shall include a general overview and familiarity with A17.1 Safety code for Elevators and Escalators.

Course Objectives:

- General purpose and Exceptions
- Electric Elevators
- Hydraulic Elevators
- Elevators with other Types of Driving Machines
- Special Application Elevators
- Escalators and Moving Walks
- Dumbwaiters and Material Lifts
- General Requirements

Category 1/5 Testing Requirements A17.1

Course Information			
Instructor:	Brian Skoczylas	**Class E-mail:**	bskoczylas@urbanelevator.com
Location:	Corporate Training Room	**Length of Course:**	(2) Two Hours
Course#	T116		

Course Description

Course shall include the various testing requirements of Category 1 & 5 according to A17.1.

Course Objectives:

- Complete description of the various types of tests and frequency in which they are to occur;
- Comprehensive description of the various applications and the procedures required to achieve the proper results;
- Proper documentation of the tests being performed;
- Instructional handouts provided upon course completion.