

## VIOLATIONS

**Item #**

**SUB CATEGORY FOR:**

**010 Car Enclosures**

- 11 Emergency stop switch
- 12 Capacity and data plates
- 13 Signs in freight elevator
- 14 Car enclosures walls ( condition )
- 15 Ventilation of elevators / passenger ( ) freight ( )
- 16 No smoking signs
- 17 Side emergency exits
- 18 Car emergency signal (two way comm.)
- 19 Car door or gate electric contacts
- 20 Closed position of car door or gate
- 21 Power opening of doors or gates
- 22 Car operating panel/markings
- 23 Anti-creep/leveling
- 24 Certification posting
- 25 Door re-opening device
- 26 Fire exit signs
- 27 Collapsible gate passenger elevator
- 28 Collapsible gate, freight elevator
- 29 Car lighting
- 30 Fire phase II switch
- 31 Car platform ( ) flooring ( ) sill ( )
- 32 Power closing of doors or gates/door closing force
- 33 Car ceiling condition ( ) clearance to floor ( ) to exit ( )
- 34 Closing speed of power doors
- 35 Floating platform
- 36 Car enclosure to accept rescue litter
- 37 Car emergency lighting
- 38 Guards for lights
- 39 Tripping hazard car floor
- 40 Restrictive opening device
- 41 Firemen phase II operating procedures
- 42 Fireman phase II operation
- 43 Replace missing and/or secure hardware
- 44 Stop switches
- 45 Operating control devices
- 46 Car vision panel
- 47 Signs & operating device symbols
- 48 Rated load & platform area
- 49 Car ride
- 50 Certificate holder

**100 Inside the Hoist Way**

- 101 Traveling cables
- 102 Speed limiting switches
- 103 Windows in hoist way/Projections/Recesses/Setbacks
- 104 Governor rope
- 105 Car & counterweight top clearance
- 106 Hoist way dimensions and clearance
- 107 Final/Normal terminal stopping device
- 108 Replace broken or missing parts and secure loose hardware
- 109 Foreign equipment in hoist way
- 110 Traveling cables supports
- 111 Car run-by down

## VIOLATIONS

- 112 Counterweight
- 113 Counterweight safeties
- 114 Car run-by up
- 115 Hoist way door fire tabs bent down
- 116 Hoist way door interlocks
- 117 Hoist way door fire rating label
- 118 Construction of hoist way
- 119 Floor over hoist way
- 120 Venting of hoist way
- 121 Guide rails and fastenings
- 122 Raceway and wiring in hoist way
- 123 Pipes and ducts in hoist way (foreign equipment)
- 124 Landing sill guards
- 125 Guarding of moving parts ( sheaves )
- 126 Main electric feeders in hoist way
- 127 Ledges in hoist way
- 128 Grouting
- 129 Leveling switches
- 130 Wire ways in hoist way
- 131 Electrical supports in hoist way (raceways or cables)
- 132 Cleaning, hoist way
- 133 Wiring methods
- 134 Lubrication of rails (slide guide shoes)
- 135 Rack fasteners
- 136 Enclosure of live parts in hoist ways
- 137 Restrictive door opening device hoist way
- 138 Condition of rack (hoist way)
- 139 Self closing hoist way doors
- 140 Smoke detector
- 141 Secondary deflector sheaves
- 142 Car frame & stiles
- 143 Governor rope & carrier
- 144 Wire rope fastening & hitch plate
- 145 Suspension ropes
- 146 Broken rope, chain, or tape switch
- 147 Deflector sheave
- 148 Sprinkler head(s) guard(s) ( ) remove ( ) relocate ( )

### 150 Top of Car

- 151 Recycle operation (multiple or telescopic plungers)
- 152 Top of car barricade-guard rail etc.
- 153 Top of car operating device - stop sw ( ) light ( )
- 154 Top emergency exit / switch
- 155 Refuse space on car top
- 156 Condition of pinion (rack)
- 157 Restrictive door opening device
- 158 Cross head data plate
- 159 Suspension rope - hitch ( ) replacement ( )
- 160 Wire rope data plate / date tag
- 161 Wire rope sockets
- 162 Wiring on car top
- 163 Guide shoes
- 164 Enclose moving and electrical parts
- 165 Cleaning, top of car
- 166 Top of car light ( ) outlet ( )

## VIOLATIONS

### 200 Outside Hoist Way

- 201 Car platform guard
- 202 Power closing of hoist way doors
- 203 Sequence operation
- 204 Hoist way enclosure
- 205 Types of entrance
- 206 Vision panels
- 207 Hoist way door locking device
- 208 Elevator parking device
- 209 Access to hoist way
- 210 Emergency power system
- 211 Access to pit
- 212 Leveling of car
- 213 Fire exit signs
- 214 Fire service phase 1 key
- 215 Fire service phase 1 operation procedures sign
- 216 Smoke sensor in lobbies/landings
- 217 Tripping hazard at lobby sill
- 218 Illumination in elevator lobbies
- 219 Terminal landing (locked)
- 220 Electrical live parts enclosed
- 221 Wiring methods
- 222 Car light source fused ( ) breakers ( ) separate circuit
- 223 Electrical equipment in garages & similar occupancies
- 224 Suspension of travel cables
- 225 Metal raceways attached to cars
- 226 Electric elevators grounding
- 227 Replace missing and/or secure hardware
- 228 Landing sills (flush) condition
- 229 Standard hoist way protection
- 230 No smoking signs and/or receptacles
- 231 Fire service phase I operation recall

### 300 Machine Room and Machinery Spaces

- 301 Access to machine rooms and machinery spaces
- 302 Access and egress
- 303 Access door
- 304 Head room in machinery spaces
- 305 Lighting in machine room & machinery spaces
- 306 Ventilation of machinery and control spaces
- 307 Enclosure of machine room spaces
- 308 Guarding of exposed equipment
- 309 Physical ground, electrical equipment
- 310 Voltage limitations to machine and controls
- 311 Main line disconnects
- 312 Numbering of machines and disconnects switches
- 313 Governor sealed
- 314 Brakes conditions
- 315 Pumps
- 316 Relief valves (sealed) new valves
- 317 Flexible hose and fittings ( date tag )
- 318 Tank oil level indicators (gauge)
- 319 Drip pans
- 320 Piping and supports
- 321 Control valves and / or check valves

## VIOLATIONS

- 322 Pressure tanks
- 323 Cleaning of machine room ( rags )/Housekeeping
- 324 Sprinkler head shut off valve / guard / piping
- 325 Drum limits ( ) slack cable ( )
- 326 Phase protection or phase failure
- 327 Fire extinguisher
- 328 Smoke sensors operation ( ) condition ( )
- 329 Enclosed live parts ( ducts and controls
- 330 Wiring methods ( flex and rigid conduit )
- 331 Raceway terminal fittings
- 332 Wire ways
- 333 Disconnecting means (insight of equipment )
- 334 Over current protection
- 335 Guarding equipment ( unauthorized access to equipment )
- 336 Clearance around control panels
- 337 Clearance over machines/sheaves/&or equipment
- 338 Gate valve hydro-system
- 339 Visual check of gears and bearings
- 340 Remove foreign equipment
- 341 Provide guard rail and/or kick guard
- 342 Controller----repair or replace
- 343 Post rated load on floor in mr
- 344 Sprinkler head guard
- 345 Clearance around equipment ( 28 in. )
- 346 Shut trip / heat detectors / electrical disconnect
- 347 Traction drive machine
- 348 Motor generator
- 349 Traction sheaves
- 350 Code data plate
- 351 Maintenance log

### 400 Pit

- 401 Access (key hole)
- 402 Illumination ( guard / switch )
- 403 Stop switch
- 404 Compensating sheave switch
- 405 Minimum pit depth
- 406 Floor of pit, level
- 407 Cylinder air relief
- 408 Light guard
- 409 Cylinder oil collection
- 410 Pipes, valves & fittings
- 411 Piping & supports
- 412 Plunger fastening
- 413 Cylinder condition / packing leaks
- 414 Clean or remove water
- 415 Catwalk or inspection platform
- 416 Governor tail sheave tension (car/counterweight)
- 417 Traveling cable protection
- 418 Sump pump cover
- 419 Traveling cables attachment
- 420 Bottom clearance for car / refuse area
- 421 Counterweight run by
- 422 Construction of oil buffers/spring buffers/solid buffers
- 423 Oil buffer plunger return

## VIOLATIONS

424	Oil buffer oil level gage
425	Oil buffer data plate
426	Spring buffer data plate
427	Solid bumpers
428	Bottom plunger clearance
429	Buffer switches (type c safeties)
430	Car safeties /switch
431	Pit ladder
432	Marking plate for safeties
433	Counterweight guard
434	Protection of space below pit/ counterweight safeties
435	Normal terminal stopping devices
436	Final terminal stopping devices
437	Guard between pits
438	Wiring methods
439	Mechanical stop (rack & pinion)
440	Platform structure
441	Replace missing and/or secure hardware
442	Provide car and/or CWT buffer (s)
443	Compensation device chains ( ) ropes ( ) sheaves ( ) weights ( )
444	Smoke detector
445	Maximum counterweight runby tag
446	Sprinkler head guard

### 500 Escalators and Moving Walks

501	Penetration of fire resistive separation
502	Means of egress
503	Full enclosure
504	Kiosk
505	Automatic rolling shutter
506	Sprinklers
507	Spray nozzles
508	Other approved fire stops
509	Upper and lower areas within one room
510	Upper & lower areas connected by open stairways
511	Protection of trusses & machinery spaces
512	Ventilation of machine & control spaces
513	Angle of inclination
514	Step and or tread way width
515	Escalator width
516	Handrails, distance between
517	Balustrades construction
518	Balustrades, glass or plastic
519	Balustrades, width between
520	Guards at ceiling intersections
521	Skirt panel surface
522	Skirt panel clearance
523	Handrails ( condition/speed )
524	Steps and tread way grooving
525	Repair broken complete and or threshold plates
526	Machinery space and access
527	Trusses, girders and step wheel tracks
528	Step chains
529	Step chain tightening devices
530	Tread way supports

## VIOLATIONS

- 531 Tread way, type of
- 532 Balustrades, extension beyond tread way ends
- 533 Barricades for entrances to esco /moving walk
- 534 Warning signs
- 535 Code data plate
- 536 Outdoor protection
- 537 Signs
- 538 Tandom operation
- 539 Pallets,pallet chains, & trusses

### 550 Escalator & Mov Wlk Driving Machine, Motor & Brake

- 551 Driving motor
- 552 Connection between drive machine & main drive shaft
- 553 Brake on the main drive shaft
- 554 Brake on the drive machine
- 555 Additional brake on the main drive shaft
- 556 No brakes required on level tread way
- 557 Brake application

### 560 Operating and Safety Devices

- 561 Key operated starting switch (es)
- 562 Emergency stop buttons
- 563 Speed governor
- 564 Broken chain devices
- 565 Broken main drive chain device
- 566 Friction device for the anti-reversal of ascending stairs
- 567 Step lighting over head and throughout
- 568 Stop switch in the machinery spaces
- 569 Skirt obstruction device
- 570 Closing rolling shutter stop switch
- 571 Step demarcation lights
- 572 Step lateral displacement device
- 573 Comb impact device
- 574 Egress restriction device
- 575 Broken treadway device
- 576 Reversal stop switch
- 577 Step upthrust device
- 578 Missing step device
- 579 Step level device
- 580 Handrail speed monitoring device
- 581 Handrail entry device
- 582 Pallet level device
- 583 Missing pallet device
- 584 Deck plate switches
- 572 Power interruption device

### 600 Vertical Wheelchair Lifts (Handicapped)

- 601 Posting handicapped signs
- 602 Runway enclosure provided
- 603 Runway enclosure not provided
- 604 Attendant operation /call device and sign
- 605 Pipes in runway vicinity
- 606 Lower level access ramps & pits
- 607 Electrical wiring
- 608 Guide rails
- 609 Driving means & sheaves
- 610 General requirements

## VIOLATIONS

- 611 Hydraulic driving machines
- 612 Screw machines
- 613 Machine framework & base
- 614 Guiding member enclosures
- 615 Machinery beams & supports
- 616 Guarding of driving machine & suspension means
- 617 Driving machine brakes
- 618 Suspension & support means
- 619 Turns of ropes on winding drums
- 620 Securing suspension ropes to winding drums
- 621 Lengthening, splicing, repairing or replacing suspension means
- 622 Fastening of rope suspension means to platform
- 623 Guarding
- 624 Car frame & platform
- 625 Use of cast iron load bearing frames/platforms
- 626 Platform size
- 627 Car illumination
- 628 Limitation of load, speed & travel
- 629 Capacity plates
- 630 Data plates
- 631 Safeties & speed governors
- 632 Application of safeties
- 633 Speed governors
- 634 Terminal stopping devices
- 635 Key operation
- 636 Control & operating circuit requirements
- 637 Motor reversal protection
- 638 Phase reversal & failure protection
- 639 Emergency stop switch
- 640 Slack rope & chain devices for winding drum & roller chain driv. mach
- 641 Emergency signals
- 642 Headroom Clearance

### 650 Inclined Platform Lifts (Handicapped)

- 651 Clearances
- 652 Pits & ramps
- 653 Guide rails & tracks
- 654 General requirements
- 655 Driving machine brakes
- 656 Suspension & support means
- 657 Car & platform construction
- 658 Platform truck & guides
- 659 Platform guarding
- 660 Seats
- 661 Obstruction devices
- 662 Limitations of capacity, load & speed
- 663 Limitation of angle
- 664 Safeties & speed governors
- 665 Attendant operation

### 670 Inclined Stairway Chairlifts (Handicapped)

- 670 Guide rails & tracks
- 671 General requirements
- 672 Chairs & seats
- 673 Chair truck & guides
- 674 Footrest obstruction device

## VIOLATIONS

- 675 Footrest clearance
- 676 Limitations of capacity, load & speed
- 677 Safeties & speed governors

**700 Special Accessibility Elevator**  
**Accessibility Type Lifts installed prior to 3/27/97**  
**See State of Maryland checklist requirements on web site**

- 701 Hoist way enclosure (condition)
- 702 Hoist way door interlocks
- 703 Hoist way door unlocking device (emergency)
- 704 Posting handicapped signs
- 705 Attendant call station
- 706 Car platform level with landing
- 707 Access to machine room
- 708 Self-closing & self-locking machine room door
- 709 Machine room enclosure & door (fire rating)
- 710 Machine room light & light switch
- 711 Guarding of hoist ropes in machine room
- 712 Location of control panel in machine room
- 713 Main line disconnect switch in machine room
- 714 Driving machine brakes
- 715 Idle turns of rope on winding drum machine
- 716 Slack rope device for winding drum machine
- 717 Phase reversal & failure protection
- 718 Electrical wiring & equipment
- 719 Remove foreign equipment (mach. rm, hoist way)
- 720 Car enclosure & frames
- 721 Car doors or gates
- 722 Car lighting
- 723 Key operation
- 724 Capacity plate, data plate & certificate frame
- 725 Alarm bell
- 726 Emergency lighting
- 727 Stop switch
- 728 Telephone in car
- 729 Car platform area (max 12 sq ft)
- 730 Capacity (max 700 lbs)
- 731 Car speed (max 40 ft per min)
- 732 Pit maintenance
- 733 Spring buffers & buffer supports
- 734 Mechanical stop in pit & sign
- 735 Counterweights
- 736 Terminal stopping devices
- 737 Suspension ropes
- 738 Travel of lift (max 12 ft)
- 739 Vertical car clearances
- 740 Horizontal car clearances
- 741 Maintenance, car, hoist way, pit, machine room
- 742 Safety test with load

**900 Tests**

**General**

- 901 Provide required test tags on equipment (governor/safety/buffers)
- 902 Smoke detector (s) tests hoist way ( ) pit ( ) m r ( )

**Roped**

- 903 Drop test ( 5yr )

## VIOLATIONS

- 904 Counterweight safeties
- 905 Governor
- 906 Governor over speed switch
- 907 Level of car platform
- 908 Oil buffer
- 909 Car safety mechanism switch
- 910 Car safeties (condition / pull out / slide )Unintended movement/Ascending car
- 911 Operation under fire or other emergency conditions
- 912 Elevator brake test (125% )
- 913 Operation on emergency power ( 125% )
- 914 Drum machine slack rope switch
- 915 Governor jaws pull thru test/pull out test
- 916 One Year Traction Test
- 917 Emergency speed limiting device
- 918 Running tests with no load cable units one year
- 919 Rated speed test
- 920 Ascending car
- 921 Unintended movement
- 922 Type test-required on new designs (125% load )safety-em. gen.-brake

### Hydraulic

- 940 Relief valve
- 941 Full load test working pressure ( ) static ( )
- 942 Stop ring
- 943 Recycle/Low oil
- 944 Set test no load ( ) one year static ( )
- 945 Previous order (s) not completed
- 946 Pressure switch
- 947 Low oil
- 948 One Year Hydraulic Test

### Escalator

- 950 Escalator brake test ( torque )
- 951 Comb impact device

### 970 Sealed / Removed

- 971 Unsafe elevator and/or equipment (unit sealed)
- 972 Elevator equipment completely removed (dismantled)
- 973 Building structure removed
- 974 Remove hoisting ropes/land car & counterweights
- 975 Elevator equipment partly removed

### 980 Miscellaneous

- 980 Work orders rescinded - see comments
- 981 Inspectors notes
- 982 No item to describe violation
- 983 Repairs and replacements of damaged, broken or worn parts
- 984 Not registered/current certificate not posted
- 985 Unit changed new reg # check site st for new reg #
- 986 No inspection bldg vacant ( ) unable to gain access
- 987 Equipment not covered by ansi a17.1 code
- 988 Other orders maybe written
- 989 Temporary workmen hoist
- 990 Operator required for workmen/personnel hoist