

POYKKO

ENGINEERING

January 27, 2025

Dear Senator Barta, Representative Warrey, and Committee Members :

I am writing in regard to SB 2336 which relates to the regulation of conveyances (elevators), elevator contractors, mechanics, and inspectors. I support these regulations, but I am unsure who would be the proper party to be administering these regulations.

As proposed, the provisions for conveyances are to be inserted into Chapter 43-09 - Electricians - of the Century Code and would be the responsibility of the State Electrical Board. As conveyances are much more than an electrical system, it would seem to be more appropriate for this subject to be a separate entry in some other title or chapter of the NDCC. For example, under Title 23 - Health and Safety, or Title 18 - Fires. Or a separate chapter in Title 43 - Occupations and Professions.

To illustrate I've attached a typical elevator inspection form in which I've highlighted only the electrical items. There are more inspection items that are none electrical and therefore not typically covered by "Electricians".

Please call or email if you have any questions for me.

Thank you.



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Encl. Illinois Elevator Inspection Form

ELEVATOR INSPECTION FORM



Company Info

Name _____
 Address _____
 City St Zip _____
 Phone _____ Fax _____



Date: _____
 Code Edition: ASMEA17.1 _____ A17.3 _____
 V/T/C _____
 ID # _____ Convey # _____

Address _____ Unit _____ Inspection & Test Routine Periodic Acceptance
 Bldg. Name _____ Make _____ Power _____ FL/PT _____
 Bldg. Rep. _____ Speed _____ fpm Capacity _____ Em Ph _____
 Phone No. _____ Em Light _____

	OK	NG	NA		OK	NG	NA				
1. ELEVATOR-INSIDE OF CAR					4. ELEVATOR-OUTSIDE HOISTWAY						
1.1 Door reopening device	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2.24 (T) AC drives from a DC source	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3.25 (T) Car, overhead, & deflector sheaves	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
1.2 Stop switches	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2.25 (T) Traction sheaves	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3.26 (T) Broken rope, chain, or tape switch	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
1.3 Operating control devices	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2.26 (T) Secondary & deflector sheaves	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3.27 Crosshead data plate & rope data tags	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
1.4 Sills & car floor	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2.27 (T) Rope fastenings	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3.28 Counterweight & counterweight buffer	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
1.5 Car lighting & receptacles	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2.28 (T) Terminal stopping devices	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3.29 Counterweight safeties	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
1.6 Car emergency signal-lighting	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2.29 (T) Car & counterweight safeties	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3.30 Speed test	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
1.7 Car door or gate	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2.30 Hydraulic power unit	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3.31 Slack rope device-roped hydr elevs (*)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
1.8 Door closing force	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2.31 Relief valves	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3.32 Traveling sheave-roped hydr elevs (*)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
1.9 Power closing of doors or gates	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2.32 Control valve	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3.33 (T) Compensating ropes & chains	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
1.10 Power opening of doors or gates	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2.33 Tanks	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	4.1 Car platform guard			
1.11 Car vision panels & glass car doors	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2.34 Flexible hydr hose & fitting assemblies	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	4.2 Hoistway doors	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
1.12 Car enclosure	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2.35 Supply line & shutoff valve	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	4.3 Vision panels	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
1.13 Emergency exit	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2.36 Hydraulic cylinders	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	4.4 Hoistway door locking devices	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
1.14 Ventilation	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2.37 Pressure switch	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	4.5 Access to hoistway	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
1.15 Signs & operating device symbols	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2.38 Roped water hydraulic elevators	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	4.6 Power closing of hoistway doors	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
1.16 Rated load, platform area, & data plate	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2.39 Low oil protection	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	4.7 Sequence operation	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
1.17 Standby power operation	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2.40 Inspection control	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	4.8 Hoistway enclosure	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
1.18 Restricted opening of car or hoistway doors	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2.41 Maintenance records	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	4.9 Elevator Parking devices	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
1.19 Car Ride	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2.42 Static control	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	4.10 Emergency doors in blind hoistways	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2. ELEVATOR-MACHINE ROOM				3. ELEVATOR-TOP OF CAR				5. ELEVATOR-PIT			
2.1 Access to machine space	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3.1 Top-of-car stop switch	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	5.1 Pit access, lighting, stop switch, & condition	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2.2 Headroom	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3.2 Car top light & outlet	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	5.2 Bottom clearance, runby & min. refuge space	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2.3 Lighting & receptacles	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3.3 Top-of-car operating device	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	5.3 (T) Final & emergency terminal stopping devices	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2.4 Machine space	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3.4 Normal terminal stopping devices	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	5.4 Normal terminal stopping devices	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2.5 Housekeeping	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3.5 Clearance, refuge space standard railing	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	5.5 Traveling cables	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2.6 Ventilation	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3.6 Final & emerg terminal stopping devices	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	5.6 Governor-rope tension devices	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2.7 Fire extinguisher	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3.7 Car leveling & anticreep devices	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	5.7 Car Frame & platform	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2.8 Pipes, wiring, & ducts	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3.8 Top emergency exit	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	5.8 Car safeties & guiding memb-incl roped-hydr elev(*)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2.9 Guarding of exposed auxiliary equipment	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3.9 Floor & emerg identification numbering	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	5.9 (T) Buffers & emerg terminal speed limiting devices	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2.10 #ing of elevators, machines, disconnects	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3.10 Hoistway construction	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	5.10 (T) Compensating chains, ropes & sheaves	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2.11 Disconnecting means & control	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3.11 Hoistway smoke control	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	5.11 Plunger & cylinder	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2.12 Controller wiring, fuses, grounding, etc.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3.12 Pipes, wiring & ducts	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	5.12 Car buffer	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2.13 Governor, overspeed switch, & seal	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3.13 Windows, projections, recesses, & setbacks	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	5.13 Guiding members	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2.14 Code data plate	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3.14 Hoistway clearances	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	5.14 Supply piping	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2.15 (T) Static control	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3.15 Multiple hoistways	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	6. ELEVATOR-FIRE SERVICE			
2.16 (T) Overhead beam & fastenings	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3.16 Traveling cables & junction boxes	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	PH 1 ONLY	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2.17 (T) Drive machine brake	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3.17 Door & gate equipment	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	PH 1 & PH 2	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2.18 (T) Traction drive machines	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3.18 Car frame & stiles	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	FAID Date: / /	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2.19 (T) Gears, bearings, & flexible coupling	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3.19 Guide rails fastening & equipment	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	7. ELEVATOR TACTILE IDENTIFICATION			
2.20 (T) Winding drum mach & slack cable dev	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3.20 Governor rope	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	(410 ILCS 30/1)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2.21 (T) Belt or chain-drive machine	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3.21 Governor releasing carrier	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2.22 (T) Motor generator	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3.22 Wire rope fastening & hitch plate	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2.23 (T) Absorption of regenerated power	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3.23 Suspension rope	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
				3.24 (T) Top counterweight clearance	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

COMMENTS:

OK-meets requirement NG-insert number to identify comment NA-not applicable (T) Traction Cars (*) installed under A17 1b-1989 and later editions

THIS IS THE OFFICIAL INSPECTION FORM APPROVED BY THE ELEVATOR SAFETY REVIEW BOARD, THE OFFICE OF THE STATE FIRE MARSHAL (OSFM), THE ELEVATOR SAFETY AND REGULATION ACT (225 ILCS 312) MANDATES EACH CONVEYANCE BE INSPECTED ANNUALLY.

FAIL - RE-INSPECT IN _____ DAYS

PASS - CONDITION GOOD - Approved for Certificate

Conveyance must be registered with OSFM prior to issuance of certificate of operation.

Elevator Co / Building Representative

Elev Co Lic # IL _____

Elev Mech Lic # IL _____

Inspector's Signature

Inspector QEI# _____

Inspector's Lic # IL _____