

Minnesota Attorney General: Administrative Rules Proceedings

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Version 3
August 20, 2018

need comments - have comments MJM 6/18/92

RULE REVIEW CHECKLIST

File No. 1920
DATE RECEIVED 6-15-92
REVIEW DATE 6-24-92
DUE DATE 6-29-92
~~(DIS)~~APPROVED June 29 92 MJM
WITHDRAWN

Docket No. 05 0009 0138
ADOPTED W/O HEARING
EMERGENCY RULE
TO REVISOR ON 6/18/92
REVISOR (DIS)APPROVED
FILED W/SEC. OF STATE 6-29-92
RETURNED TO AGENCY 6-30-92

✓ Rule as adopted (4 copies)

___ Notice to Solicit Outside Information/Opinion (if applicable)
___ Date published in State Register
___ Comments

___ Petition for Adoption of a Rule

✓ Board's Authorizing Resolution
March 10, 1992 Date adopted

✓ Proposed Rule
✓ Revisor's Certificate

✓ Notice of Intent to Adopt Rule
326.241 subd 2 (6) Statutory Authority - wrong cite but easy to find correct one
✓ Small Business Statement
___ Expenditure of public money statement
unsigned Signature

✓ Statement of Need and Reasonableness (if applicable) very weak
___ Small Business Statement
___ Fees - § 16A.128

✓ Affidavit of Mailing Notice of Intent to Adopt Rule
April 9, 1992 Dated (30)/25 days before adoption
✓ Notice attached indicates it is attached
___ Copy of rule or summary attached

✓ Publication in State Register
April 13, 1992 Date (30)/25 days before adoption

✓ 180-day deadline from:
✓ Effective date of law requiring rule (14.12) (both rules) amendments don't apply
✓ end of comment period (§ 14.26) (rules without hearing)
___ effective date of statutory authority (§ 14.29) (emergency rules)

✓ Resolution Adopting
June 9, 1992 Date adopted

✓ Findings of Fact, Conclusions & Order Adopting
June 9, 1992 Date - Note Comments

✓ Written Requests, Submissions or Comments - we need comments

✓ Declaration of Attorney
Al Hoffman Name of SAAG representing agency

___ Notice of Submission to Attorney General (if applicable)

___ Affidavit of Mailing Notice to Attorney General (if applicable)

Rules rel

SMALL BUSINESS CONSIDERATIONS IN RULEMAKING

Most of the businesses regulated by the Board of Electricity ("Board") are small businesses. The Board estimates that eighty percent of all licensed electrical contractors are small businesses, as defined by Minn. Stat. § 14.115. Individual license holders and applicants are not businesses. The Board has framed all of these regulations by considering the needs of small business by making the regulations easy to understand and comply with and by minimizing the increase in fees.

a) There are no compliance or reporting requirements.

b) There are no schedules or deadlines for compliance or reporting requirements.

c) There are no compliance or reporting requirements to consolidate or simplify.

d) There are no design or operation standards required.

e) Small businesses cannot be exempt under the rule as this requirement is an electrical safety requirement that cannot exempt anyone.

STATEMENT OF NEED AND REASONABLENESS

This rule is needed because the Board has found that there maybe cases where persons serving in the Armed Forces of the United States may have gained more than 12 months experience while performing electrical work. The Board's current rule limits electrical experience credit to a maximum of 12 months for persons serving in the Armed Forces of the United States.

The Board has found that there are certain types of electrical equipment such as custom-made equipment or related installations which are designed, fabricated for, and intended for use by a particular customer and not marketed for the general public, that may be exempt from the requirement of listing and labeling if it can be inspected in accordance with the National Electrical Code or other applicable electrical standards.

STATE OF MINNESOTA

Office of the Attorney General

TO : MR. JOHN QUINN
Executive Secretary
State Board of Electricity
S-173 University Avenue
St. Paul

DATE : June 30, 1992

FROM : MARY JO MURRAY
Special Assistant
Attorney General

PHONE : 296-3258

SUBJECT : In the Matter of the Adopted Rule Relating to Minimum Experience Requirements for Licensure and Approval of Electrical Equipment

The above-referenced rule has been approved as to its legality by the Attorney General on June 29, 1992.

Enclosed is your copy of the approved rule. This office has already filed two copies with the Secretary of State, who will forward one copy to the Revisor of Statutes. The fourth is being retained by this division of the Attorney General's Office for its records.

Also enclosed are any petitions, requests, submissions or comments along with any extra copies of documents which you submitted to the Attorney General.

Your next step is to arrange for publication of the Notice of Adoption in the State Register. In a day or two, you should receive from the Revisor's Office three copies of the notice of adoption of your rule. You should submit two copies of the Notice of Adoption to the State Register for publication. A permanent rule without a hearing does not become effective until five days after a notice of adoption is published in the State Register in accordance with Minn. Stat. § 14.27. An emergency rule becomes effective five working days after approval by the Attorney General; however, the agency must publish a notice in the State Register in accordance with Minn. Stat. § 14.34.

If you have any questions in this regard, please contact me.

Enclosures
cc: Louis Hoffman
William Brown, Chief Judge
MaryAnn Hruby
MJM:jj.rules.ax7

Board of Electricity

Adopted Permanent Rules Relating to Minimum Experience Requirements for Licensure and Approval of Electrical Equipment

Rules as Adopted

3800.3520 EXAMINATION; MINIMUM EXPERIENCE REQUIREMENTS FOR LICENSURE; EXPERIENCE ACCEPTABLE TO BOARD.

[For text of subps 1 and 2, see M.R.]

Subp. 3. **Maximum allowable credit under certain conditions.** The maximum allowable electrical experience credit under the following conditions shall be as stated:

A. before age 12, none;

B. before age 16, six months;

C. in foreign countries, 12 months; and

D. acquired during the school term of a board-approved post high school electrical course, none.

Subp. 4. **Experience acceptable to board for certain categories in certain situations.** Experience in the categories of planning for the installation of wiring, apparatus, and equipment for light, heat, and power; laying out for the installation of wiring, apparatus, and equipment for light, heat, and power; supervising the installation of wiring, apparatus, and equipment for light, heat, and power; and wiring and installing electrical wiring, apparatus, and equipment for light, heat, and power is acceptable to the board in the situations described in items A to E.

[For text of items A to D, see M.R.]

E. Experience while performing electrical work in the armed forces of the United States which the board has determined is substantially equivalent to work performed while in the employ of a licensed electrical contractor in Minnesota. This determination shall be based on a certification by the military for the type of work performed.

[For text of subp 5, see M.R.]

Approved by Revisor

3800.3620 APPROVAL OF ELECTRICAL EQUIPMENT.

[For text of subps 1 and 2, see M.R.]

Subp. 3. **Equipment exempt from listing requirements.** Equipment described in items A to E is exempt from the requirements in subparts 1 and 2.

A. Industrial machinery as defined by Section 670-2 of the National Electrical Code is not required to be listed where all electrical components of the equipment, including electrical control panels and solid-state motor controls, are in compliance with item B, C, or D, or subpart 1 or 2, and all of the machine electrical wiring is in compliance with the National Electrical Code.

B. Electrical equipment enclosed in a listed cabinet or box suitable for the environment in which it is installed, and electrically connected only to circuits supplied from listed Class 2, logic level, communications, or other circuits with maximum open circuit voltage of 30 volts rms AC, or DC, and overcurrent protection of eight amperes or less, or to any combination of such circuits, is not required to be listed, provided further that any printed wiring boards shall be of listed material and shall be permitted to be supplied from a ~~listed~~ labeled microcomputer power supply.

C. Electrical control equipment constructed according to the listed requirements and enclosed in a listed cabinet or box suitable for the environment in which it is located, where the enclosed equipment consists of eight or fewer listed components, other than wires, cables, cords, terminal assemblies, nonelectrical components, and those covered under item B, provided that the devices are not electrically connected to circuits on a printed wiring board other than those circuits covered under item B, is not required to be listed.

D. Custom-made electrical equipment or related installations that are designed and manufactured to a purchaser's specifications and are not marketed to the general public are exempt from listing and labeling requirements.

Approved
by Revisor _____

Equipment or installations exempt under this item are subject to the following:

(1) they must be determined to be safe for their intended use by the manufacturer on the basis of test data which the purchaser keeps and makes available to the electrical inspection authority having jurisdiction, as required by Code of Federal Regulations, title 29, part 1910.399 (1991), for equipment or installations subject to national occupational safety and health laws; or

(2) they must be inspected by the electrical inspection authority having jurisdiction for compliance with the construction requirements of the applicable electrical standards used by electrical testing laboratories to evaluate the equipment, or the National Electrical Code~~,-whichever-is-less stringent~~. Schematic wiring diagrams, component layout diagrams, and component electrical rating information shall be provided to enable evaluation under this subitem.

E. Utilization equipment as defined by the National Electrical Code is not required to be listed if:

(1) the equipment includes eight or fewer electrical components which are listed or are exempt from listing by item B or C; and

(2) all wiring that is part of the equipment is in compliance with the National Electrical Code.

Approved
by Revisor _____

APPROVED AS TO FORM AND LEGALITY

June 29 1992

HUBERT H. HUMPHREY, III
ATTORNEY GENERAL

BY _____
SPECIAL ASSISTANT ATTORNEY GENERAL

STATE OF MINNESOTA
DEPARTMENT OF STATE
FILED

JUN 30 1992

2:30 pm
RA

Joan Anderson Growe
Secretary of State

Stat Authority 214.06

Notwithstanding any law to the contrary the commissioner of health as authorized by section 214.13, all health-related licensing boards and all non-health-related licensing boards shall by rule, with the approval of the commissioner of finance.

SONAR

no justification for 1800.0500 subp 4.

STATE OF MINNESOTA
STATE BOARD OF ELECTRICITY

1821 University Avenue
St. Paul, MN 55104

Phone 612-642-0800 Fax 612-645-0963

TELECOPY COVER PAGE

June 29, 1992

To: Mary Jo Murray

Fax No: 297-2576

From: William E. Bickner
Assistant Executive Secretary

Subject: Letter from Elevator Assoc. of Minnesota - Minnesota Rules 3800.3620

Pages Following: 1

Message: As requested by Louis Hoffman, a copy of the above letter follows.

THE ELEVATOR ASSOCIATION OF MINNESOTA INC.

2415 Annapolis Lane, Suite 110
Minneapolis, Minnesota 55441
(612) 559-0940

June 8, 1992

Mr. John Quinn
Executive Secretary
State Board of Electricity
South 173 University Avenue
St. Paul, MN 55104

RE: Proposed Rules
State Board of Electricity

Dear Mr. Quinn:

This letter is in response to your letter dated May 18, 1992, and Mr. Louis Hoffman's letter dated June 1, 1992. We, as an association, agree to withdraw our requests for a public hearing with the understanding that the State Board of Electricity will schedule a hearing, either formal or informal, to address the concerns of our association.

We are aware of the high cost of a public hearing. However, we are also concerned about potential added costs for our customers.

Should you have any questions, please call me. We look forward to meeting with you to address our specific concerns.

Very truly yours,

ELEVATOR ASSOCIATION
OF MINNESOTA

Neal A. Holmstrom
President
(612) 939-5328

NEH/dlh

cc: Bernie Wiklund - Vice President EAOM
David J. Anderson - Secretary/Treasurer EAOM
Jim Berg - Department of Labor and Industry
Louis Hoffman - Office of the Attorney General

DEPARTMENT: ATTORNEY GENERAL

STATE OF MINNESOTA

Office Memorandum

DATE: June 17, 1992

TO: PATRICIA S. NOLTE
Legal Assistant
Public Finance Division

FROM: LOUIS HOFFMAN
Special Assistant
Attorney General

PHONE: 296-9422

SUBJECT: In the matter of the Proposed Adoption of Permanent Rules of the Board of Electricity Relating to Minimum Experience Requirements for Licensure and Approval of Electrical Equipment

As you requested, I enclose the following:

1. Signed Notice of Intent to Adopt Rules Without a Public Hearing;

2. All comments received by the Board; and

3. Declaration of Counsel.

I have also included information relating to provision of the Statement of Deed and Reasonableness to the Legislative Commission to Review Administrative Rules.

LH:vpd
Encl.

Board of Electricity

Proposed Permanent Rules Relating to Minimum Experience Requirements for Licensure and Approval of Electrical Equipment

Notice of Intent to Adopt Rules Without a Public Hearing

Notice is hereby given that the State Board of Electricity ("board") proposes to adopt the above-entitled rule without a public hearing. The Board has determined that the proposed adoption of this rule will be noncontroversial in nature and has elected to follow the procedures set forth in Minnesota Statutes § 14.22 to 14.28. Authority for the adopting of this rule is contained in Minnesota Statutes § 326.241, subd. 6.

Additionally, a statement of need and reasonableness that describes the need for and identifies the data and information relied upon to support the proposed rule, has been prepared and is available from Mr. Quinn upon request.

All persons have 30 days in which to submit comment in support of or in opposition to the proposed rule or any part or subpart of the rule. Comment is encouraged. Each comment should identify the portion of the proposed rule addressed, the reason for the comment, and any change proposed.

Any person may make a written request for a public hearing on the rule within the 30-day comment period. If 25 or more persons submit a written request for a public hearing within the 30-day comment period, a public hearing will be held unless a sufficient number withdraw their requests in writing. Any person requesting a public hearing should state his or her name and address, and is encouraged to identify the portion of the proposed rule addressed, the reason for the request, and any change proposed. If a public hearing is required, the agency will proceed pursuant to Minnesota Statutes, section 14.13 to 14.20. If no hearing is requested, the agency will adopt the proposed rule effective five working days after final publication in the State Register.

Persons who wish to submit comments or a written request for a public hearing should submit such comments or request to:

Mr. John Quinn
Executive Secretary
State Board of Electricity
S-173 University Avenue
St. Paul, Minnesota 55104
Telephone: 612/642-0800

The proposed rule may be modified if the modifications are supported by data and views submitted to the agency and do not result in a substantial change in the proposed rule noticed.

A copy of the proposed rule is attached to this notice. Additional copies may be obtained by contacting Mr. Quinn.

You are hereby advised, pursuant to Minnesota Statutes § 14.115 (1986), "Small business considerations in rulemaking," that the proposed rule amendments will have no adverse effect on small businesses.

If no hearing is required, upon adoption of the rule, the rule and the required supporting documents will be submitted to the Attorney General's Office for review as to legality and form to the extent the form relates to legality. Any person may request notification of the date of submission of this material to the Attorney General, or who wish to receive a copy of the adopted rule, must submit a written request to the State Board of Electricity.

John Quinn

John Quinn, Executive Secretary
State Board of Electricity

Elevator Association of Minnesota
2415 Annapolis Lane
Suite 110
Minneapolis, MN 55441

Fold at line over top of envelope to the right of the return address.

CERTIFIED

P 693 145 534

MAIL

SAINT PAUL MAY-3'92 MN

U.S.POSTAGE

$3.44

Mr. John Quinn
Executive Secretary
State Board of Electricity
S. 173 University Avenue
St. Paul, MN 55104

RETURN RECEIPT REQUESTED

FIRST CLASS MAIL

RECEIVED
MAY 11 1992
State Board of Electricity

3M Facilities Engineering and Real Estate

PO Box 33331
St. Paul, MN 55133-3331
612/778 5049

3M

May 13, 1992

Mr. John Quinn
Executive Secretary
State Board of Electricity
S-173 University Avenue
St. Paul, Minnesota 55104

John:

We appreciate receiving a copy of the proposed MN rule section 3800.3620 and support the intent and flexibility that it would allow in our facilities.

On page 3, section 3800.3620 D (2), we propose the following for clarification:

(2) they must be inspected by the electrical inspection authority having jurisdiction for compliance with the construction requirements of one of the following:

(a) the applicable electrical standards used by electrical testing laboratories to evaluate the equipment.
(b) the National Electrical Code.

Schematic wiring diagrams, component layout diagrams, and component electrical rating information shall be provided to enable evaluation under this subitem.

On page 2, section 3800.3620 B, we would delete the underlined portion of lines 23 and 24.

Sincerely,

R L Matthews

CP CERT TASK FORCE
3M PI&C/EE
R. L. Matthews
778-4192

RLM/msr

3M Facilities Engineering
and Real Estate

PO Box 33331
St. Paul, MN 55133-3331
612/778 5049

Post-it™ brand fax transmittal memo 7671	# of pages ▸ 1
To JOHN QUINN	From BOB MATTHEWS
Co. Bd. of Electricity	Co. 3M
Dept. EXECUTIVE SEC.	Phone # 778-4192
Fax # 645-0963	Fax # 778-7692

3M

May 13, 1992

Mr. John Quinn
Executive Secretary
State Board of Electricity
S-173 University Avenue
St. Paul, Minnesota 55104

John:

We appreciate receiving a copy of the proposed MN rule section 3800.3620 and support the intent and flexibility that it would allow in our facilities.

On page 3, section 3800.3620 D (2), we propose the following for clarification:

(2) they must be inspected by the electrical inspection authority having jurisdiction for compliance with the construction requirements of one of the following:

(a) the applicable electrical standards used by electrical testing laboratories to evaluate the equipment.
(b) the National Electrical Code.

Schematic wiring diagrams, component layout diagrams, and component electrical rating information shall be provided to enable evaluation under this subitem.

On page 2, section 3800.3620 B, we would delete the underlined portion of lines 23 and 24.

Sincerely,

R L Matthews

CP CERT TASK FORCE
3M PI&C/EE
R. L. Matthews
778-4192

RLM/msr

08-May-1992 Fri 08:19

To: Board of Electricity
Mr. John Quinn
Executive Secretary

From: Jerry Kettunen
3M

Phone : 642-0800 Fax:645-0963

Phone: 778-4054 Fax: 778-5982

John,

This fax is a result of a meeting yesterday on the Proposed Permanent Rules. We support the intent of providing flexibility to deal with custom unlisted equipment for internal use. We do have a question and several suggestions to clarify the rules, which we would like to discuss with you. Please call me on 778-4054 to arrange a time for us to meet at your convenience.

Only the affected lines are shown as we would have them changed. Our changes are circled.

Jerry

3800.3620 APPROVAL OF ELECTRICAL EQUIPMENT Subp. 3.

Board proposed.

22 provided <u>further</u> that any printed wiring boards shall be of
23 listed material <u>and shall be permitted to be supplied from a</u>
24 <u>listed microcomputer power supply</u>.

3M Proposed.

23 listed material.

What is the intent of adding the reference to a power supply? If it is a listed power supply, it would be correct to use it without this statement. Also, the adjective "microcomputer" is difficult to comply with, since it refers to the application not the device. We would delete the reference to the power supply.

3M Proposed.

25 C. Electrical ~~control~~ equipment ~~constructed according~~
26 ~~to the listed requirements and~~ enclosed in a listed cabinet or

This similar to B. in line 14. Therefore the wording could be the same and possible confusion reduced.

SMC Sidney Manufacturing Company

P. O. Box 380, 405 N. Main Street
800-482-3535 Nationwide

513-492-4154
Fax: 513-492-0919

Sidney, Ohio 45365

April 17, 1992

Minnesota State Board of Electricity
1821 University Avenue
Room B-173
St. Paul MN 55104

Gentlemen,

We have been advised that a new ruling in the State of Minnesota which exempts control panels with less than 8 components from the UL labeling requirement has been adopted.

Would you please send us written documentation of this new rule.

Sincerely,

Jon F. Baker

Jon F. Baker
President

mla
c: Minnesota file

Sent copy of Proposed Rule change 4-20-92 JJ

SENT 4-20-92

Geo. A. Hormel & Co / P.O. Box 367 / Austin, Minnesota 55912

Hormel

Austin, Minnesota
April 22, 1992

Mr. John Quinn, Executive Secretary
State Board of Electricity
S-173 University Ave.
St. Paul, Minnesota 55104

Dear Mr. Quinn:

RE: **Comment Proposed Changes 3800.3620 Subp. 3**

The following comments are in support of the proposed rule changes for M.R. 3800.3620 Subp. 3.

As a purchaser and user of mostly custom-made electrical control machinery, the proposed rules will not put an undue hardship on us while still assuring the electrical safety of the machinery. Whereas the present rules are both costly and difficult for us to comply with and do very little to assure the electrical safety of the machine.

I would like to suggest one minor change. In Sub-item D2, I suggest the removal of the words in the third line, "whichever is less stringent". As purchasers of custom-made machinery, we should have the option of choosing a more stringent standard by which the machine is constructed. By allowing us to choose the standard, we can make sure the machine meets or exceeds our safety requirements.

Sincerely,

Vernon E. Lippert

VERNON E. LIPPERT, P.E.
MN. Registration #18233
Maintenance Engineer

js

cc: L. J. Pfeil
D. D. Shockley
R. L. Watt
H. W. Willmott - CO

Geo. A. Hormel & Company
P.O. Box 800/501 NE 16th Avenue/Austin, MN 55912 Tel.: (507) 437-5611/Fax: (507) 437-5489

Hormel

April 17, 1992

Mr. John Quinn, Executive Secretary
State Board of Electricity
S-173 University Avenue
St. Paul, Minnesota 55104

Dear Mr. Quinn:

RE: Minnesota Rule 3800.3620
Approval of Electrical Equipment
Favorable Comment and Support

The following comments are in support of the proposed rule changes for Rule 3800.3620 - Approval of Electrical Equipment.

I specifically support Item D and Subitem D1 relating to custom-made electrical equipment. In Subitem D2, I support the general idea of the paragraph; however, I suggest the removal of the words in the third line, "whichever is less stringent" as there may be a time when the purchaser would rather have the equipment inspected to the National Electric Code Standard even though it may be more stringent than the applicable electrical standard used by an electrical testing laboratory.

I also support the intent of Item E and Subitems E1 and E2.

As a Registered Engineer in the State of Minnesota and as an employee of a company which purchases many pieces of equipment which fall in this category, I commend the Board for their efforts in proposing changes regarding this matter.

Yours truly,

Harry W. Willmott

HARRY W. WILLMOTT, P.E.
MN Registration #11634
Electrical Supvsg. Engineer

rko

CC: K. P. Regner
R. J. Potter, P.E., MN #13972 - Hormel Corporate Office
F. D. Fryer, P.E. - Hormel Corporate Office
L. J. Pfeil, P.E., MN #12145 - Hormel/Austin Office
V. E. Lippert, P.E., MN #18233- Hormel/Austin Office

ELECTRIC & MANUFACTURING CO.

MR. JOHN QUINN
EXECUTIVE SECRETARY
STATE BOARD OF ELECTRICITY
S-173 UNIVERSITY AVENUE
ST. PAUL, MN 55104

4/24/92

SUBJECT: PROPOSED RULE CHANGES PER SECTION 3800.3620 APPROVAL OF ELECTRICAL EQUIPMENT (PER 3/27/92 LETTER)

Dear Mr. Quinn,

We are writing this letter to clarify some of the items in the proposed rule changes.

Section D regarding custom electrical equipment has a direct impact on our Minnesota based customers. In particular, the 3M Co. and Boustead have been working hand-in-hand in complying with the third-party requirements of the old rule.

We as a U.L. approved shop have been listing the control panel when possible, however, there have been times that due to non-U.L. parts we have been unable to apply the label.

This has been unfortunate since the non-U.L. part usually has a different third-party listing (ie. CSA, etc.).

I have been using Mr. Gene Waldorf of 3M to discuss how the old rules and new proposed rules affect the relationship between a purchaser (ie. 3M) and a panel manufacturer (ie. Boustead).

It is my interpretation that under Section D Item 1 we would have to provide our customer with test data on the complete panel assembly not the individual components used (which would be available through our supplier). This would mean U.L. approving the control panel.

It is my interpretation that under Section D Item 2 we could assemble and wire the control panel using our standard U.L. and NEMA guidelines, attach a label verifying that we followed the guidelines and send panel wiring and layout diagrams with the panel thus not having to officially third-party approve the assembly.

Please contact myself if our interpretations are incorrect or need further explanation. PH 291-1239 spoke with Mr Brandel explained New Proposed Rule. No Letter will be written.

Thank You,

Gary Brandel

John Quinn 5-4-92

Gary Brandel
Control Systems Division Manager
131 State Street St. Paul, MN 55107

7135 MADISON AVENUE WEST, GOLDEN VALLEY, MINNESOTA 55427-3688 • PHONE (612) 544-9131

291-1239

STATE OF MINNESOTA
STATE BOARD OF ELECTRICITY
GRIGGS-MIDWAY BLDG.-ROOM S-173
1821 UNIVERSITY AVENUE
SAINT PAUL, MINN. 55104

OFFICE OF THE
EXECUTIVE SECRETARY
(612) 642-0800

June 2, 1992

Mr. James S. Fink
Fink Electric Service
5636 Dupont Ave. No.
Brooklyn Center, MN 55430

Dear Mr. Fink:

Your comments and questions regarding the Board's proposed changes under Minnesota Rule 3800.3620 have been reviewed by William Bickner of our staff. Please find the following answers to your questions:

Line 7: (Industrial Machinery) The scope of Article 670 - Industrial Machinery - as stated in Section 670-1, includes metalworking machine tools, woodworking machinery, plastics machinery, and mass production equipment. Note that woodworking machinery is specifically covered. Mass production equipment is defined in Section 670-2 as "a systematic array of one or more machine tools, plastics machinery, and/or assembly machines which is not portable by hand and which includes any associated material handling, manipulating, gaging, measuring, or inspection equipment". Printing presses and plating or etching machines are generally covered under the definition. The "distributed systems" referred to by Mr. Fink, as well as other non-manufacturing industrial equipment, is adequately covered under this or other provisions of the rule.

Lines 18 and 19: (Power source limitations) The proposed overcurrent protection limitation approximates the limits of UL 508 under the specified conditions, but does not preempt or duplicate the requirements of that standard. The intent is that qualifying equipment may be accepted without reference to any standard.

Lines 23 and 24: (Microcomputer power supplies) Microcomputer power supplies are limited in output and are provided with overcurrent protection, while other DC supplies, quite obviously, can be of any rating. On further investigation, we have learned that there are virtually no "listed" microcomputer power supplies, but there are many that are UL "Component Recognized". Although the NEC definition of the term "listed" appears to be broad enough to include such components, the minor ambiguity could be eliminated by changing line 24 to read "microcomputer power supply that has been evaluated and found acceptable for such applications by a testing laboratory." We do not agree that the proposed change implies that connection of printed wiring boards to other sources is prohibited by the added permissive language.

Acceptance of foreign standards: We believe that the board has the authority to accept foreign standards where equivalency can be demonstrated. That is the responsibility of the evaluator.

Equipment exempted by UL 508, section 44: None of the proposed changes or existing provisions of the rule preempt any provisions of UL 508 section 44 that an evaluator may determine to be applicable.

Sincerely,

STATE BOARD OF ELECTRICITY

John D. Quinn
Executive Secretary

4/17/92

FINK ELECTRIC SERVICE
5636 DUPONT AVE. NO.
BROOKLYN CENTER,MN. 55430
(612)561-3536

Mn. State Board of Electricity
Griggs Midway Bldg., Room S-173
1821 University Ave.
St.Paul, Mn.55104
Attn. Mr.John Quinn

Dear Mr. Quinn

I have reviewed the proposed changes to Mn. Rule 3800.3620 and have several comments or questions.

LINE 7 "Industrial Machinery ..."

The machine tool definition of NEC 670-2 does not specifically reference such machines as wood working machines, printing presses. water treatment installations, plating and etching machines, grain elevators, or even an automated green-house, having computer controlled heating, watering and ventilating systems. These I term as "distributed machines" having many system component or sub-machine modules not easily recognized as a machine, coming under the Mn. Rule. I generally have my clients generate a SYSTEM CONFIGURATOR NUMBER & DOCUMENT, listing all "machine" modules by Model & Serial No. and then provide a Nameplate with this SYSCONFIG NO. on it along with the overall system electrical data. In this way we can at least tell what was approved by the inspection.

It would seem therefore that the definition should be modified to include more than just machine tools for steel and plastic forming.

LINES 18 & 19

Is it the intent of this rewriting to exclude the exemptions for listing as given in UL508:44.1 to 44.21? I know the rule as presently written makes no specific mention of this subject. However, lines 18 & 19 are approximately covered within these UL paragraphs. I have discussed this with Bill Bickner in the past and he said that whatever is allowed as an exclusion by the standards is acceptable to the Board. Is this still to be the case and if so could it be stated in the rule or do you think it is better left unsaid?

LINES 23 & 24 "printed wiring boards ... shall be permitted to be supplied from ... listed microcomputer power supply."

Why is the adjective "microcomputer" applied to the power supply? What is that supposed to imply? DC supplies certainly do not have to use microcomputers in their construction nor are they only to be used to supply microcomputer circuits. The qualifier seems out-of-place and unnecessarily restrictive especially in the power control field. It seems likely that the

reference is to the power source for PLC's (programmable logic controller), which of course have an internal microcomputer. It almost sounds like a listed DC power supply not specifically intended for use with microcomputers is excluded from use, which I am sure is not the intent.

As you are aware, there is a great deal of difficulty in evaluating foreign machines, especially oriental products. Freguently, almost none of the internal parts are listed by UL or CSA and may have only some obscure JIS or IEC approvals which do not cross reference to UL or CSA. As a result, it is virtually impossible to make a good judgement unless the item can be proved to be in a power limited circuit so that an exclusion can be invoked.

Can some guide lines for evaluation be developed by the Board to assist in this matter? Perhaps a list of the foreign approval logos, acceptable to the Board, could be supplied e.g., VDE, BS, IEC, etc.

I have talked with people at UL that deal with foreign approvals and their comment is that there is nothing available by way of a cross reference between US and Foreign standards or testing groups (no doubt there are individual private efforts) for electrical components. Part of the problem is the diversity of test conditions resulting from different operating voltages.

I have been somewhat successful at "forcing" changes to the equipment so that the design meets the exclusions set-forth in the UL508 paragraphs, in section 44, hence my concern that this still be allowed.

Thank you for the opportunity to critique this document.

Most sincerly

James S. Fink

James S. Fink PE/EE
Registration # 013879-4

STATE OF MINNESOTA
STATE BOARD OF ELECTRICITY
GRIGGS-MIDWAY BLDG.-ROOM S-173
1821 UNIVERSITY AVENUE
SAINT PAUL, MINN. 55104

OFFICE OF THE
EXECUTIVE SECRETARY
(612) 642-0800

June 2, 1992

Mr. Dean K. Hedstrom, P.E.
Hedstrom Engineering Company
2303 Wycliff Street
St. Paul, MN 55114-1217

Dear Mr. Hedstrom:

This letter is written in response to your three questions regarding the Board's proposed changes to Minnesota Rule 3800.3620.

1] The Board has written the U.S. Department of Labor OSHA requesting a definition of test data. The U.S. Department of Labor has indicated they will be unable to provide an answer for approximately 120 days. Drawings signed by a registered engineer would not be acceptable evidence under the provision of Subp. 3 Item D[1]. Other evidence would be certifying it to the appropriate standard or to the National Electrical Code.

2] Subp. Item D[2] does not return us to pre February 1991 conditions. We are addressing only custom-made electrical equipment.

3] Lines 23 and 24: (Microcomputer power supplies) Microcomputer power supplies are limited in output and are provided with overcurrent protection, while other DC supplies, quite obviously, can be of any rating. On further investigation, we have learned that there are virtually no "listed" microcomputer power supplies, but there are many that are UL "Component Recognized". Although the NEC definition of the term "listed" appears to be broad enough to include such components, the minor ambiguity could be eliminated by changing line 24 to read "microcomputer power supply that has been evaluated and found acceptable for such applications by a testing laboratory." We do not agree that the proposed change implies that connection of printed wiring boards to other sources is prohibited by the added permissive language.

Sincerely,

STATE BOARD OF ELECTRICITY

John D. Quinn
Executive Secretary

JDQ:bke

HEDSTROM
2303 WYCLIFF STREET, ST. PAUL, MN 55114-1217
(612) 646-0510

ENGINEERING COMPANY

April 15, 1992

Mr. John Quinn
Executive Secretary
State Board of Electricity
S-173 University Avenue
St. Paul, MN 55104

Dear Mr. Quinn,

I support the proposed changes to Rule 3800.3620. Three questions arise:

1. Neither the proposed Rules changes nor 29 CFR 1910.399(iii) defines "test data". Would drawings signed by a registered engineer be acceptable evidence under provision of Sub. 3 Item D(1)? What other or additional evidence should be acceptable?

2. Does Subp. 3. Item D(2) return us to essentially pre February 1991 conditions?

3. Why is an additional permissive of a "listed micro-computer power supply" in lines 23 and 24 of Subp. 3B necessary in light of power supplies described in lines 17, 18 and 19 above?

Sincerely,

Dean K. Hedstrom, P.E.

Mr. John Quinn
Executive Secretary
State Board of Electricity
S-173 University Avenue
St. Paul, MN 55104

Dear Mr. Quinn:

I hereby request a public hearing on the proposed adoption of the rule changes proposed by the State Board of Electricity, Code Enforcement Division, governing the Experience Requirements for the Licensure and Approval of Electrical Equipment, as published in the State Register, Monday, 13 April, 1992, Page 2237. (Chapter 3800).

DATE: 5/7/92

NAME: GERALD E JOHNSON

ADDRESS: 134 LOWER ROY LAKE RD NISSWA 56468

REASON FOR REQUEST FOR PUBLIC HEARING:

Because elevator controllers are designed for specific installations, the equipment should be exempt from listing requirements.

Since elevator installations are inspected by the Minnesota Department of Labor and Industry's Code Administration and Inspection Services, there is no need for the electrical inspection authority to inspect elevator equipment.

COMMENTS:

Gerald E Johnson

Mr. John Quinn
Executive Secretary
State Board of Electricity
S-173 University Avenue
St. Paul, MN 55104

Dear Mr. Quinn:

I hereby request a public hearing on the proposed adoption of the rule changes proposed by the State Board of Electricity, Code Enforcement Division, governing the Experience Requirements for the Licensure and Approval of Electrical Equipment, as published in the State Register, Monday, 13 April, 1992, Page 2237. (Chapter 3800).

DATE: 5/7/92

NAME: TERRY JOHNSON

ADDRESS: 15709 HAYES TRAIL
Apple Valley, MN 55124

REASON FOR REQUEST FOR PUBLIC HEARING:

Because elevator controllers are designed for specific installations, the equipment should be exempt from listing requirements.

Since elevator installations are inspected by the Minnesota Department of Labor and Industry's Code Administration and Inspection Services, there is no need for the electrical inspection authority to inspect elevator equipment.

COMMENTS:

Mr. John Quinn
Executive Secretary
State Board of Electricity
S-173 University Avenue
St. Paul, MN 55104

Dear Mr. Quinn:

I hereby request a public hearing on the proposed adoption of the rule changes proposed by the State Board of Electricity, Code Enforcement Division, governing the Experience Requirements for the Licensure and Approval of Electrical Equipment, as published in the State Register, Monday, 13 April, 1992, Page 2237. (Chapter 3800).

DATE: May 8, 1992

NAME: Steven Dangl

ADDRESS: 2201 Apache St
Mendota Hts, MN 55120

REASON FOR REQUEST FOR PUBLIC HEARING:

Because elevator controllers are designed for specific installations, the equipment should be exempt from listing requirements.

Since elevator installations are inspected by the Minnesota Department of Labor and Industry's Code Administration and Inspection Services, there is no need for the electrical inspection authority to inspect elevator equipment.

COMMENTS:

Mr. John Quinn
Executive Secretary
State Board of Electricity
S-173 University Avenue
St. Paul, MN 55104

Dear Mr. Quinn:

I hereby request a public hearing on the proposed adoption of the rule changes proposed by the State Board of Electricity, Code Enforcement Division, governing the Experience Requirements for the Licensure and Approval of Electrical Equipment, as published in the State Register, Monday, 13 April, 1992, Page 2237. (Chapter 3800).

DATE: 5/7/92

NAME: Tony Holm

ADDRESS: 18500 Revere Ave So.
Prior Lake, Mn

REASON FOR REQUEST FOR PUBLIC HEARING:

Because elevator controllers are designed for specific installations, the equipment should be exempt from listing requirements.

Since elevator installations are inspected by the Minnesota Department of Labor and Industry's Code Administration and Inspection Services, there is no need for the electrical inspection authority to inspect elevator equipment.

COMMENTS:

Mr. John Quinn
Executive Secretary
State Board of Electricity
S-173 University Avenue
St. Paul, MN 55104

Dear Mr. Quinn:

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DATE: May 7, 1992

NAME: Lee C. Arnold

ADDRESS: 8324 Pillsbury Ave S.
Bloomington, MN 55420

REASON FOR REQUEST FOR PUBLIC HEARING:

Because elevator controllers are designed for specific installations, the equipment should be exempt from listing requirements.

Since elevator installations are inspected by the Minnesota Department of Labor and Industry's Code Administration and Inspection Services, there is no need for the electrical inspection authority to inspect elevator equipment.

COMMENTS:

Mr. John Quinn
Executive Secretary
State Board of Electricity
S-173 University Avenue
St. Paul, MN 55104

Dear Mr. Quinn:

I hereby request a public hearing on the proposed adoption of the rule changes proposed by the State Board of Electricity, Code Enforcement Division, governing the Experience Requirements for the Licensure and Approval of Electrical Equipment, as published in the State Register, Monday, 13 April, 1992, Page 2237. (Chapter 3800).

DATE: MAY 7, 1992

NAME: MICHAEL E. STELZMILLER

ADDRESS: 2053 PLEASANT VIEW DR.
NEW BRIGHTON MINN 55112

REASON FOR REQUEST FOR PUBLIC HEARING:

Because elevator controllers are designed for specific installations, the equipment should be exempt from listing requirements.

Since elevator installations are inspected by the Minnesota Department of Labor and Industry's Code Administration and Inspection Services, there is no need for the electrical inspection authority to inspect elevator equipment.

COMMENTS:

Mr. John Quinn
Executive Secretary
State Board of Electricity
S-173 University Avenue
St. Paul, MN 55104

Dear Mr. Quinn:

I hereby request a public hearing on the proposed adoption of the rule changes proposed by the State Board of Electricity, Code Enforcement Division, governing the Experience Requirements for the Licensure and Approval of Electrical Equipment, as published in the State Register, Monday, 13 April, 1992, Page 2237. (Chapter 3800).

DATE: 5/7/92

NAME: David E. Johnson

ADDRESS: 5705 - 25th Ave So.

Mpls, MN. 55417

REASON FOR REQUEST FOR PUBLIC HEARING:

Because elevator controllers are designed for specific installations, the equipment should be exempt from listing requirements.

Since elevator installations are inspected by the Minnesota Department of Labor and Industry's Code Administration and Inspection Services, there is no need for the electrical inspection authority to inspect elevator equipment.

COMMENTS:

Mr. John Quinn
Executive Secretary
State Board of Electricity
S-173 University Avenue
St. Paul, MN 55104

Dear Mr. Quinn:

I hereby request a public hearing on the proposed adoption of the rule changes proposed by the State Board of Electricity, Code Enforcement Division, governing the Experience Requirements for the Licensure and Approval of Electrical Equipment, as published in the State Register, Monday, 13 April, 1992, Page 2237. (Chapter 3800).

DATE: 5-7-92

NAME: Pat Pio

ADDRESS: 4126 Pillsbury Ave So.
Mpls Mn 55409

REASON FOR REQUEST FOR PUBLIC HEARING:

Because elevator controllers are designed for specific installations, the equipment should be exempt from listing requirements.

Since elevator installations are inspected by the Minnesota Department of Labor and Industry's Code Administration and Inspection Services, there is no need for the electrical inspection authority to inspect elevator equipment.

COMMENTS:

Mr. John Quinn
Executive Secretary
State Board of Electricity
S-173 University Avenue
St. Paul, MN 55104

Dear Mr. Quinn:

I hereby request a public hearing on the proposed adoption of the rule changes proposed by the State Board of Electricity, Code Enforcement Division, governing the Experience Requirements for the Licensure and Approval of Electrical Equipment, as published in the State Register, Monday, 13 April, 1992, Page 2237. (Chapter 3800).

DATE: 5-7-92

NAME: Lisa M Newinski

ADDRESS: 6930 Utica Lane
Chanhassen MN 55317

REASON FOR REQUEST FOR PUBLIC HEARING:

Because elevator controllers are designed for specific installations, the equipment should be exempt from listing requirements.

Since elevator installations are inspected by the Minnesota Department of Labor and Industry's Code Administration and Inspection Services, there is no need for the electrical inspection authority to inspect elevator equipment.

COMMENTS:

Mr. John Quinn
Executive Secretary
State Board of Electricity
S-173 University Avenue
St. Paul, MN 55104

Dear Mr. Quinn:

I hereby request a public hearing on the proposed adoption of the rule changes proposed by the State Board of Electricity, Code Enforcement Division, governing the Experience Requirements for the Licensure and Approval of Electrical Equipment, as published in the State Register, Monday, 13 April, 1992, Page 2237. (Chapter 3800).

DATE: ~~DAVE~~ 7 MAY 92

NAME: DAVE THUNSTROM

ADDRESS: 8324 PILLSBURY AVE. SO.
Bloomington, MN. 55420

REASON FOR REQUEST FOR PUBLIC HEARING:

Because elevator controllers are designed for specific installations, the equipment should be exempt from listing requirements.

Since elevator installations are inspected by the Minnesota Department of Labor and Industry's Code Administration and Inspection Services, there is no need for the electrical inspection authority to inspect elevator equipment.

COMMENTS:

R&O Elevator Company, Inc.
8324 PILLSBURY AVENUE SOUTH
MINNEAPOLIS, MINNESOTA 55420

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Mr. John Quinn
State Board of Electricity
S-173 University Ave
St. Paul, MN 55104

THE
ELEVATOR ASSOCIATION
OF MINNESOTA INC.

2415 Annapolis Lane, Suite 110
Minneapolis, Minnesota 55441
(612) 559-0940

May 5, 1992

Mr. John Quinn
Executive Secretary
State Board of Electricity
S.173 University Avenue
St. Paul, MN 55104

RE: Proposed Rules
State Board of Electricity

Dear Mr. Quinn:

This letter is to address the recent proposed rules that the State Board of Electricity plans to adopt regarding the experience requirements for the licensure of electricians and the approval of electrical equipment as published in the State Register, Monday, 13th of April 1992, Page 2237, Chapter 3800. The EAOM, Elevator Association of Minnesota, has the following concerns regarding these proposed rules, of which we have enclosed copies of responses from various Elevator Contractors. A summary of the concerns are as follows:

1. The 1991 Supplement of the A17.1-1990 Elevator Safety Code will require that all electrical equipment be certified to a new harmonized Canadian & American National Standard called CSAB44.1/ASME A17.5 by 1994. This is not referenced in the proposed rules.

2. Elevator equipment/controllers are manufactured or retrofitted to a specific installation. Requiring an elevator controller to be labeled requires equipment to be modified in a manner that technically violates initial product labeling. Elevator controller cabinets should not be required to bear a U.L. or CSA label as long as all the components are labeled.

3. It appears that the State Board of Electricity is intent on becoming directly involved in regulating the manufacturing and installation of elevator equipment. We now have the Department of Labor and Industry elevator inspections that require a permit fee to regulate the manufacturing and installation of elevators. We see no need or justification for a double inspection and fee for elevator installations.

4. Elevator contractors are now required to adhere to Master and Journeymen licenses for State Electrical Contractors. This restricts us to elevator work only, likewise, any other type of electrical license shall be prohibited form doing elevator work.

In short, please consider the above comments necessary for a public hearing, or formulate legislation that draws a line between the State Board of Electricity and the Department of Labor and Industry regarding the regulation of elevator installations. We as an association are disgruntled over the fact that two state agencies cannot define or distinguish a single regulating agency responsible for the regulation of elevator installations.

Should you have any questions, please call me. Thank you.

Very truly yours,

ELEVATOR ASSOCIATION OF MINNESOTA

Neal A. Holmstrom

Neal A. Holmstrom
President
(612) 939-5328

/jd
nh2317d

cc: Bernie Wiklund - Vice President - EAOM
David Anderson-Secretary/Treasurer - EAOM
Jim Berg - Department of Labor and Industry

STATE OF MINNESOTA
STATE BOARD OF ELECTRICITY
GRIGGS-MIDWAY BLDG.-ROOM S-173
1821 UNIVERSITY AVENUE
SAINT PAUL, MINN. 55104

OFFICE OF THE
EXECUTIVE SECRETARY
(612) 642-0800

May 18, 1992

Mr. Neal A. Holmstrom, President
The Elevator Association of Minnesota, Inc.
2415 Annapolis Lane, Suite 110
Minneapolis, MN 55441

Dear Mr. Holmstrom:

This letter is a follow-up of our phone conversation and your letter dated May 5 and the 28 requests for public hearing from persons in the elevator industry that you mailed in one envelope which was received by our office on May 11, 1992.

As I explained to you in our phone conversation, all of the requests for public hearing that we have received from you do not address any portion of the Board's proposed rule.

The requirement for Listing and Labeling is not part of the proposed rule, but is allowing an alternative means in lieu of Listing and Labeling to make the requirement more flexible.

The area of inspections that you address in your request for public hearing is not part of the proposed rule in any manner.

As your requests for public hearing do not address any portion of the Board's proposed rule, I am requesting that you rescind your requests for public hearing in writing to the Board. If you have any questions regarding this matter, please feel free to contact me.

Sincerely,

STATE BOARD OF ELECTRICITY

John D. Quinn
Executive Secretary

JDQ:bke
cc: Louis Hoffman - Special Assistant Attorney General

STATE OF MINNESOTA

OFFICE OF THE ATTORNEY GENERAL

HUBERT H. HUMPHREY, III
ATTORNEY GENERAL

GOVERNMENT SERVICES SECTION
525 PARK STREET
SUITE 500
ST. PAUL, MN 55103
TELEPHONE: (612) 297-2040
FACSIMILE: (612) 297-2576

June 1, 1992

Neal A. Holmstrom, President
The Elevator Association of Minnesota, Inc.
2415 Annapolis Lane, Suite 110
Minneapolis, MN 55441

Dear Mr. Holmstrom:

This letter is to follow-up on our telephone conversation of Thursday, May 28, 1992 concerning proposed amendments to the rules of the Board of Electricity.

As I stated in our conversation, and as Mr. Quinn stated in his letter of May 18, 1992, the proposed rule about which you and your Association are concerned will make it easier for manufacturers of one-of-a-kind electrical equipment to obtain approval of that equipment. It does not grant to the Board any additional authority, with respect to the inspection of elevator installations or otherwise. Thus, to the extent that this matter does proceed to a contested case hearing because of the 38 requests filed by members of your Association, and to the extent that hearing results in the rejection of the Board's proposed rule, the Board's authority with respect to the inspection of elevators will not be lessened. Instead, it will become more difficult for one-of-a-kind equipment to be listed.

To the extent you have any concerns with respect to the Board's rules, Minn. Stat. § 14.09 (1990) provides procedures for petitioning an agency to promulgate, amend, or repeal rules. In addition, you are, of course, free to ask the legislature to resolve this issue.

As I noted, a contested case hearing in this matter will cost the taxpayers of the State of Minnesota large sums of money. In view of the financial condition of the State of Minnesota at this time, and in view of the fact this hearing would serve no purpose, from your prospective, I would join with the Board of Electricity in urging your Association to withdraw its requests for hearing for the reasons stated herein.

Should you or members of your Association have any questions with respect to this matter, or if you would like Mr. Quinn or myself to address your meeting on June 7, 1992, we would be more than pleased to do so.

I would ask that you inform me as soon as is practically possible as to the outcome of the June 7, 1992 meeting.

Very truly yours,

LOUIS HOFFMAN
Special Assistant
Attorney General

(612) 296-9422

LH:vpd

cc: John D. Quinn
Executive Secretary

Equal Opportunity Employer

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LAGERQUIST
ELEVATORS
LAGERQUIST CORPORATION

1801 WEST RIVER ROAD NORTH, P.O. BOX 582239, MINNEAPOLIS, MN 55458-2239
PHONE:(612) 588-7844
FAX: (612) 588-8221

May 5, 1992

Mr. John Quinn
Executive Secretary
State Board of Electricity
S-173 University Avenue
St. Paul, MN 55104

Dear Mr. Quinn:

We of Lagerquist Corporation do not agree with the State Board of Electricity's involvement in the inspection of elevators and other related equipment. With the office of State Elevator Inspector inspecting all units in the State of Minnesota, we feel that an adequate job of inspection is being provided. The State Board of Electricity efforts appear to be a duplication of those already being provided by the State.

While it would appear that the proposed permanent rules of Chapter 3800 would not require our controller cabinents to be listed or label, we again urge that the State Board of Electricity eliminate elevators from its inspection requirements. In an era of reducing governmental involvement we feel that having one State Agency responsible for the inspection and safety of the elevators installed by our trade to be more than adequate. Further inspection by others is not necessary, redundant and is in conflict with favored reduction of governmental paperwork.

If we can be of further assistance please feel free to contact me.

Sincerely,

Peter Nelson,

Peter E. Nelson
Marketing Manager

PEN/tm

Mr. John Quinn
Executive Secretary
State Board of Electricity
S-173 University Avenue
St. Paul, MN 55104

Dear Mr. Quinn:

I hereby request a public hearing on the proposed adoption of the rule changes proposed by the State Board of Electricity, Code Enforcement Division, governing the Experience Requirements for the Licensure and Approval of Electrical Equipment, as published in the State Register, Monday, 13 April, 1992, Page 2237. (Chapter 3800).

DATE: 5/5/92

NAME: Frank FALLON

ADDRESS: MECO, 6601 Shingle creek Parkway
Brooklyn Center, MN

REASON FOR REQUEST FOR PUBLIC HEARING:

AT THIS TIME THE ELEVATOR IND. HAS BEEN INSPECTED BY STATE, AND CITY INSPECTOR, I DON'T SEE THE NEED FOR MORE INSPECTIONS

COMMENTS:

Mr. John Quinn
Executive Secretary
State Board of Electricity
S-173 University Avenue
St. Paul, MN 55104

Dear Mr. Quinn:

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DATE: May 5, 1992

NAME: Bob Kallas - Montgomery Elevator Co.

ADDRESS: 6601 Shingle Creek Parkway, st 200
Brooklyn Center, MN 55430

REASON FOR REQUEST FOR PUBLIC HEARING: Elevator Control Equiptment is inspected by the Department of Labor & Industry. The rule appears to require it tobe inspected by the state Board of Electricity also We feel it is not neicssary to have our equiptment Inspected twice.

COMMENTS:

Mr. John Quinn
Executive Secretary
State Board of Electricity
S-173 University Avenue
St. Paul, MN 55104

Dear Mr. Quinn:

I hereby request a public hearing on the proposed adoption of the rule changes proposed by the State Board of Electricity, Code Enforcement Division, governing the Experience Requirements for the Licensure and Approval of Electrical Equipment, as published in the State Register, Monday, 13 April, 1992, Page 2237. (Chapter 3800).

DATE: May 5th 1992

NAME: Tom Johnson - Montgomery Elevator Company

ADDRESS: 6601 Shingle Creek Parkway Suite 500
Brooklyn Center Mn 55430

REASON FOR REQUEST FOR PUBLIC HEARING:

Currently Elevator equipment is inspected thoroughly by Department of Labor & Industry - "Elevator Inspections" - We oppose section 3800.3620 — Electrical equipment exempt from listing Requirements #02 - Our interpretation of rule ~~3800~~ is that the Board of Electricity would require an inspection of elevator as well as State Insp. Is this necessary? Why? Why inspect equipment twice? Costly, time consuming etc.

COMMENTS:

Mr. John Quinn
Executive Secretary
State Board of Electricity
S-173 University Avenue
St. Paul, MN 55104

Dear Mr. Quinn:

I hereby request a public hearing on the proposed adoption of the rule changes proposed by the State Board of Electricity, Code Enforcement Division, governing the Experience Requirements for the Licensure and Approval of Electrical Equipment, as published in the State Register, Monday, 13 April, 1992, Page 2237. (Chapter 3800).

DATE: May 1, 1992

NAME: Wendell B. Wuori

ADDRESS: 4164 Tyler St N E

Minneapolis, MN 55421

REASON FOR REQUEST FOR PUBLIC HEARING:

Full jurisdiction for elevator inspection should be given to the Department of Labor & Industry, Code Enforcement Division.

COMMENTS: It is double taxation when the Elevator Contractor must pay a fee to both the Electrical Division and Labor and Industry. There is much more to inspecting of elevators then just the electrical wiring and the present elevator inspectors carry a electricians license so they are able not only to comply with the elevator codes but also the National Electrical code requirments.

Mr. John Quinn
Executive Secretary
State Board of Electricity
S-173 University Avenue
St. Paul, MN 55104

Dear Mr. Quinn:

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DATE: 5/5/92

NAME: Merritt BATES Glen Engle

ADDRESS: 706 2nd AVE South Suite 950
Minneapolis, MN 55402

REASON FOR REQUEST FOR PUBLIC HEARING: 1) Elevator Controls Should Inspected by Elevator Inspector which are familiar & oriented with Their application (2) This follows The usage & application of The Electrical code. (3) Inspections need not be duplicated Thus preventing buyers of Double fee costs. (4) All Test & DATA of Elevator Controllers should be directed to Elevator Inspector Dept of Labor & Industry

COMMENTS: ANSI code Requirements follow Nec. & NFPA Rules. Is it The intent of State Electrical Dept. To gain additional manpower & control. The State elevator & city Elevator Insp are far more knowledgeable About Application The State Electrical Inspector & The main issue I believe is Safety

Mr. John Quinn
Executive Secretary
State Board of Electricity
S-173 University Avenue
St. Paul, MN 55104

Dear Mr. Quinn:

I hereby request a public hearing on the proposed adoption of the rule changes proposed by the State Board of Electricity, Code Enforcement Division, governing the Experience Requirements for the Licensure and Approval of Electrical Equipment, as published in the State Register, Monday, 13 April, 1992, Page 2237. (Chapter 3800).

DATE: 4-22-92

NAME: Leech Bates Bryan Hines

ADDRESS: 706 Second Ave S. #950
Minneapolis, MN. 55402

REASON FOR REQUEST FOR PUBLIC HEARING:

1) Elevator Controls should be inspected by Elev. Insp - not Electrical Inspectors

2) Fees for installation permits should go to Labor + Industry (Elev. Insp) not the electrical dept.

3) Any test data regarding labeling of elevator Controllers should be provided to Elevator Inspectors @ Labor and Industry

COMMENTS:

Mr. John Quinn
Executive Secretary
State Board of Electricity
S-173 University Avenue
St. Paul, MN 55104

Dear Mr. Quinn:

I hereby request a public hearing on the proposed adoption of the rule changes proposed by the State Board of Electricity, Code Enforcement Division, governing the Experience Requirements for the Licensure and Approval of Electrical Equipment, as published in the State Register, Monday, 13 April, 1992, Page 2237. (Chapter 3800).

DATE: 5-5-92

NAME: BERNIE WIKLUND, SENIOR ENGINEER, OTIS ELEVATOR CORP.

ADDRESS: 1801-W. RIVER ROAD NORTH
MINNEAPOLIS, MN 55411

REASON FOR REQUEST FOR PUBLIC HEARING: I DON'T FEEL THAT IT IS APPROPRIATE FOR ANOTHER STATE AGENCY — THE ELECTICAL BOARD — TO "DOUBLE-UP" ON THE WORK THAT THE ELEVATOR INSPECTORS ARE ALREADY DOING. I ALSO DO NOT FEEL THAT ELEVATOR CONTROLLERS NEED ANY SPECIAL LABELING. THEY ARE BUILT TO VERY RIGID COMPANY STANDARDS, AS IS!

COMMENTS: THE STATE OF MINNESOTA AND VARIOUS CITY ELEVATOR INSPECTORS ARE DOING AN EXCELLENT JOB. LETS KEEP IT THAT WAY!

Mr. John Quinn
Executive Secretary
State Board of Electricity
S-173 University Avenue
St. Paul, MN 55104

Dear Mr. Quinn:

I hereby request a public hearing on the proposed adoption of the rule changes proposed by the State Board of Electricity, Code Enforcement Division, governing the Experience Requirements for the Licensure and Approval of Electrical Equipment, as published in the State Register, Monday, 13 April, 1992, Page 2237. (Chapter 3800).

DATE: 4/21/92

NAME: Jerry Saarenpaa

ADDRESS: 10952 Bren Rd East
Minnetonka Mn 55343

REASON FOR REQUEST FOR PUBLIC HEARING:

1. I believe that the Code enforcement Authority concerning Elev. Should and Must be done by the State Elevator Inspector + their Department
2. We as a Comp. should Submit ~~and~~ drawings + permit fees only be payed to the Elevator Inspectors.
3. We also believe that the Elev Controllers + Cabinets are all Considered to be Custom Cabinets for each building

~~COMMENTS~~: and should not be required to be U.L./CSA labeled as long as all the Components are

Mr. John Quinn
Executive Secretary
State Board of Electricity
S-173 University Avenue
St. Paul, MN 55104

Dear Mr. Quinn:

I hereby request a public hearing on the proposed adoption of the rule changes proposed by the State Board of Electricity, Code Enforcement Division, governing the Experience Requirements for the Licensure and Approval of Electrical Equipment, as published in the State Register, Monday, 13 April, 1992, Page 2237. (Chapter 3800).

DATE: May 4, 1992

NAME: John Corbo - President

ADDRESS: Eagle Elevator Corporation, 1821 University Avenue, St. Paul, MN. 55104

REASON FOR REQUEST FOR PUBLIC HEARING:

Our request for a public hearing is based on the concern that the majority of the larger electrical elevator components (elevator controllers/supervisory systems) are custom fabricated for each individual installation, which sometimes conflicts with general building electrical requirements.

COMMENTS:

Mr. John Quinn
Executive Secretary
State Board of Electricity
S-173 University Avenue
St. Paul, MN 55104

Dear Mr. Quinn:

I hereby request a public hearing on the proposed adoption of the rule changes proposed by the State Board of Electricity, Code Enforcement Division, governing the Experience Requirements for the Licensure and Approval of Electrical Equipment, as published in the State Register, Monday, 13 April, 1992, Page 2237. (Chapter 3800).

DATE: May 4, 1992

NAME: Kimberly Nordenstrom - Vice President & C.F.O.

ADDRESS: Eagle Elevator Corporation, 1821 University Avenue, St. Paul, Minnesota 55104

REASON FOR REQUEST FOR PUBLIC HEARING: I am requesting a public hearing because it appears more and more that the State Board of Electricity is intent on becoming directly involved in regulating the manufacture and installation of specialized equipment that it receives little to no trainning on.

COMMENTS:

Mr. John Quinn
Executive Secretary
State Board of Electricity
S-173 University Avenue
St. Paul, MN 55104

Dear Mr. Quinn:

I hereby request a public hearing on the proposed adoption of the rule changes proposed by the State Board of Electricity, Code Enforcement Division, governing the Experience Requirements for the Licensure and Approval of Electrical Equipment, as published in the State Register, Monday, 13 April, 1992, Page 2237. (Chapter 3800).

DATE: May 4, 1992

NAME: Paul Nordenstrom - Director of Field Services

ADDRESS: Eagle Elevator Corporation, 1821 University Avenue, St. Paul, MN.

REASON FOR REQUEST FOR PUBLIC HEARING:

I am requesting a hearing because general building electrical equipment requirements can often not be adhered to when elevator equipment is either manufactured or retrofitted for a specific installation. For example, the State "Electrical Code" requires a elevator controller to be "labeled". Changing elevator codes often requires equipment to latter be modified which technically violates the intial product labeling.

COMMENTS:

Mr. John Quinn
Executive Secretary
State Board of Electricity
S-173 University Avenue
St. Paul, MN 55104

Dear Mr. Quinn:

I hereby request a public hearing on the proposed adoption of the rule changes proposed by the State Board of Electricity, Code Enforcement Division, governing the Experience Requirements for the Licensure and Approval of Electrical Equipment, as published in the State Register, Monday, 13 April, 1992, Page 2237. (Chapter 3800).

DATE: April 29, 1992 x Douglas C Hufford

NAME: Douglas Hufford - RHO Elevator Co

ADDRESS: 8324 Pillsbury Ave So
Bloomington, MN 55420

REASON FOR REQUEST FOR PUBLIC HEARING: I do not feel the State Electrical Dept should be inspecting hydraulic elevator controllers because this is doubling up on the inspection the State Elevator Dept performs all Ready. This is Additional cost to the owner. I also do not see the need to "label" every controller because each controller is custom and even the slightest change nullifies a previous "labeling inspection". Most

COMMENTS: most or all of the material that makeup the controller is labeled as an individual component, this should be Acceptable. The Elevator inspection dept. can then review how the controller performs for safety.

Doug Hufford

Otis Elevator Company
1 Farm Springs
Farmington, CT 06032

OTIS FACSIMILE SERVICE

[Telefax No. (203) 676-6495]

Neil - FYI
Rich

April 28, 1992

TO: OTIS MINNEAPOLIS
Vern Ellis
[FAX (612) 332-5168]

FROM: Ralph Droste, NAO-2

SUBJECT: Your Fax dated 4/23/92.

Dear Vern:

I have no problem with the proposed exemptions from the listing requirements by the Minnesota State Board of Electricity.

Low voltage equipment is typically exempt from the listing/labeling requirements.

P.S. The 1991 Supplement of the A17.1-1990 Elevator Safety Code will require that all electrical equipment be certified to a new harmonized Canadian & American National Standard called CSA B44.1/ASME A17.5 by 1994, but low voltage equipment will be exempted.

If I can be of further assistance, please let me know.

Sincerely,

R. Droste

cc: G. W. Gibson

PLEASE DELIVER IMMEDIATELY
IF COPIES ARE UNCLEAR OR PAGES MISSING, PLEASE CONTACT:

Denise H. Zurman (203) 676-6496

North Central Elevators, Inc.
140 West 98th Street, Suite 105
Bloomington, Minnesota 55420
612/888-9743

6 May 1992

Mr. John Quinn
Executive Secretary
State Board of Electricity
S-173 University Avenue
St. Paul, Minnesota 55104

Dear Mr. Quinn:

This letter is my request for public hearing on the proposed adoption of the rule changes to Chapter 3800.

Since we in the elevator industry are governed and inspected very efficiently by the Department of Labor and Industry, Elevator Inspection Department, it seems somewhat redundant to also be governed and inspected by the State Board of Electricity.

I am not clear as to what the purpose of two inspections for the same equipment might be.

Thank you for your consideration of my request.

Sincerely,

Veronica Andrews

Veronica Andrews
President
North Central Elevators, Inc.

Mr. John Quinn
Executive Secretary
State Board of Electricity
S-173 University Avenue
St. Paul, MN 55104

Dear Mr. Quinn:

I hereby request a public hearing on the proposed adoption of the rule changes proposed by the State Board of Electricity, Code Enforcement Division, governing the Experience Requirements for the Licensure and Approval of Electrical Equipment, as published in the State Register, Monday, 13 April, 1992, Page 2237. (Chapter 3800).

DATE: 5-6-92

NAME: Mel Paulsen

ADDRESS: 10952 Bren Road East
Minnetonka, Mn. 55343

REASON FOR REQUEST FOR PUBLIC HEARING:
TO discuss difference's of opinion about proposed rules for the Board of Electricity

COMMENTS: I agree with the Elevator Association of Minnesota's position.
We need only one Inspection of Equipment By the Dept of Labor & Industry — Elevator Inspectors Elevator Controllers do not need to be U.L. Labeled. Go By ANSI A17.1 Code — Too many Regulators

Mel Paulsen

Mr. John Quinn
Executive Secretary
State Board of Electricity
S-173 University Avenue
St. Paul, MN 55104

Dear Mr. Quinn:

I hereby request a public hearing on the proposed adoption of the rule changes proposed by the State Board of Electricity, Code Enforcement Division, governing the Experience Requirements for the Licensure and Approval of Electrical Equipment, as published in the State Register, Monday, 13 April, 1992, Page 2237. (Chapter 3800).

DATE: 5-6-92

NAME: Greg E. Gschring

ADDRESS: 4648 Boone Ave N
New Hope Minn 55428

REASON FOR REQUEST FOR PUBLIC HEARING:

I am in agreement with Mr Holmstrom in his Concerns on Items 1-4 in His Letter, These Should Be Addressed with A Hearing, And Resolved Soon As possible.

COMMENTS:

Master Lic# EM00108,

MAY 6 '92 9:27

Mr. John Quinn
Executive Secretary
State Board of Electricity
S-173 University Avenue
St. Paul, MN 55104

Dear Mr. Quinn:

I hereby request a public hearing on the proposed adoption of the rule changes proposed by the State Board of Electricity, Code Enforcement Division, governing the Experience Requirements for the Licensure and Approval of Electrical Equipment, as published in the State Register, Monday, 13 April, 1992, Page 2237. (Chapter 3800).

DATE: May 6, 1992

NAME: Barbara Hanson (Barb Hanson)

ADDRESS: Metro Elevator
3500 Hopkins Crossroads, Minn 55343

REASON FOR REQUEST FOR PUBLIC HEARING: It is becoming more difficult to determine which person or agency to contact regarding regulations, and with the current changes of rules and regulations it's becoming more important to realize a single person or agency to contact for help.
HDA to name one change recently.

COMMENTS:



METRO VIKING ELEVATOR CO., INC.

May 6, 1992

Mr. John Quinn
Executive Secretary
State Board of Electricity
S-173 University Avenue
St. Paul, Minnesota 55104

RE: Proposed Rules
State Board of Electricity

Dear Mr. Quinn:

I am in support of the position taken by the "Elevator Association of Minnesota" requesting a public hearing concerning the experience requirements for licensure of electricians and approval of electrical equipment as published in the State Register, Monday 13th of April 1992, page 2237, chapter 3800.

We further support a more defined or single agency responsible for regulating elevator installations.

Sincerely,
Metro Viking Elevator Co., Inc.

Anver Larson
Anver R. Larson

ARL:as



METRO VIKING ELEVATOR CO., INC.

May 6, 1992

Mr. John Quinn
Executive Secretary
State Board of Electricity
S-173 University Avenue
St. Paul, Minnesota 55104

RE: Proposed Rules
State Board of Electricity

Dear Mr. Quinn:

I am in support of the position taken by the "Elevator Association of Minnesota" requesting a public hearing concerning the experience requirements for licensure of electricians and approval of electrical equipment as published in the State Register, Monday 13th of April 1992, page 2237, chapter 3800.

We further support a more defined or single agency responsible for regulating elevator installations.

Sincerely,
Metro Viking Elevator Co., Inc.

David A. Brantley

DAB:as

2300 Myrtle Avenue, Suite 100 • St. Paul, Minnesota 55114
Phone: (612) 647-1991 • Fax: (612) 647-9557



METRO VIKING ELEVATOR CO., INC.

May 6, 1992

Mr. John Quinn
Executive Secretary
State Board of Electricity
S-173 University Avenue
St. Paul, Minnesota 55104

RE: Proposed Rules
State Board of Electricity

Dear Mr. Quinn:

I am in support of the position taken by the "Elevator Association of Minnesota" requesting a public hearing concerning the experience requirements for licensure of electricians and approval of electrical equipment as published in the State Register, Monday 13th of April 1992, page 2237, chapter 3800.

We further support a more defined or single agency responsible for regulating elevator installations.

Sincerely,
Metro Viking Elevator Co., Inc.

Steven L. Nelson

Steve Nelson

SLN:as

2300 Myrtle Avenue, Suite 100 • St. Paul, Minnesota 55114
Phone: (612) 647-1991 • Fax: (612) 647-0557



METRO VIKING ELEVATOR CO., INC.

May 6, 1992

Mr. John Quinn
Executive Secretary
State Board of Electricity
S-173 University Avenue
St. Paul, Minnesota 55104

RE: Proposed Rules
State Board of Electricity

Dear Mr. Quinn:

I am in support of the position taken by the "Elevator Association of Minnesota" requesting a public hearing concerning the experience requirements for licensure of electricians and approval of electrical equipment as published in the State Register, Monday 13th of April 1992, page 2237, chapter 3800.

We further support a more defined or single agency responsible for regulating elevator installations.

Sincerely,
Metro Viking Elevator Co., Inc.

Donald R. Janu

DRJ:as

2300 Myrtle Avenue, Suite 100 • St. Paul, Minnesota 55114



METRO VIKING ELEVATOR CO., INC.

May 6, 1992

Mr. John Quinn
Executive Secretary
State Board of Electricity
S-173 University Avenue
St. Paul, Minnesota 55104

RE: Proposed Rules
State Board of Electricity

Dear Mr. Quinn:

I am in support of the position taken by the "Elevator Association of Minnesota" requesting a public hearing concerning the experience requirements for licensure of electricians and approval of electrical equipment as published in the State Register, Monday 13th of April 1992, page 2237, chapter 3800.

We further support a more defined or single agency responsible for regulating elevator installations.

Should you have any questions or comments please feel free to contact me at 647-1991.

Sincerely,
Metro Viking Elevator Co., Inc.

Daniel E. Brantley
President

DEB:as

2300 Myrtle Avenue, Suite 100 • St. Paul, Minnesota 55114

Mr. John Quinn
Executive Secretary
State Board of Electricity
S-173 University Avenue
St. Paul, MN 55104

Dear Mr. Quinn:

I hereby request a public hearing on the proposed adoption of the rule changes proposed by the State Board of Electricity, Code Enforcement Division, governing the Experience Requirements for the Licensure and Approval of Electrical Equipment, as published in the State Register, Monday, 13 April, 1992, Page 2237. (Chapter 3800).

DATE: 5-5-92

NAME: Tom Brannan

ADDRESS: 17595 Italy Court
Lakeville, Mn 55044

REASON FOR REQUEST FOR PUBLIC HEARING: State may lag behind in technology changes and may not get proper input as to advances dictated by research and development. Public Hearings can enhance the information so a informed and properly evaluated decision can be made.

COMMENTS:

Mr. John Quinn
Executive Secretary
State Board of Electricity
S-173 University Avenue
St. Paul, MN 55104

Dear Mr. Quinn:

I hereby request a public hearing on the proposed adoption of the rule changes proposed by the State Board of Electricity, Code Enforcement Division, governing the Experience Requirements for the Licensure and Approval of Electrical Equipment, as published in the State Register, Monday, 13 April, 1992, Page 2237. (Chapter 3800).

DATE: 5-5-92

NAME: Steve Marstad

ADDRESS: 1740 Cliff Rd
Eagan, MN 55122

REASON FOR REQUEST FOR PUBLIC HEARING:
Proposed changes greatly affect my business.

COMMENTS:

Mr. John Quinn
Executive Secretary
State Board of Electricity
S-173 University Avenue
St. Paul, MN 55104

Dear Mr. Quinn:

I hereby request a public hearing on the proposed adoption of the rule changes proposed by the State Board of Electricity, Code Enforcement Division, governing the Experience Requirements for the Licensure and Approval of Electrical Equipment, as published in the State Register, Monday, 13 April, 1992, Page 2237. (Chapter 3800).

DATE: 5-6-'92

NAME: Richard Zentgraf

ADDRESS: 1887 Silver Bell Rd.
Eagan, MN. 55122

REASON FOR REQUEST FOR PUBLIC HEARING:
A Public hearing should be held, before any changes are made or adopted by a code enforcement Division.

COMMENTS:

Mr. John Quinn
Executive Secretary
State Board of Electricity
S-173 University Avenue
St. Paul, MN 55104

Dear Mr. Quinn:

I hereby request a public hearing on the proposed adoption of the rule changes proposed by the State Board of Electricity, Code Enforcement Division, governing the Experience Requirements for the Licensure and Approval of Electrical Equipment, as published in the State Register, Monday, 13 April, 1992, Page 2237. (Chapter 3800).

DATE: 5-6-92

NAME: Richard Valley

ADDRESS: 9408 Park Ave So.
Bloomington MN. 55420

REASON FOR REQUEST FOR PUBLIC HEARING:

ANY Changes AFFECT OUR BUSINESS
Therefore A Public Hearing IS Needed.

Richard Valley

COMMENTS:

Mr. John Quinn
Executive Secretary
State Board of Electricity
S-173 University Avenue
St. Paul, MN 55104

Dear Mr. Quinn:

I hereby request a public hearing on the proposed adoption of the rule changes proposed by the State Board of Electricity, Code Enforcement Division, governing the Experience Requirements for the Licensure and Approval of Electrical Equipment, as published in the State Register, Monday, 13 April, 1992, Page 2237. (Chapter 3800).

DATE: 5/6/92

NAME: Russell Carlson, Schindler Elevator Co

ADDRESS: 3750 Sun Terrace
White Bear Lake, MN 55110

REASON FOR REQUEST FOR PUBLIC HEARING: I feel we need better clarification on the issue as it isn't very clear as to the elevator industry of what all is going on.

COMMENTS:

Mr. John Quinn
Executive Secretary
State Board of Electricity
S-173 University Avenue
St. Paul, MN 55104

Dear Mr. Quinn:

I hereby request a public hearing on the proposed adoption of the rule changes proposed by the State Board of Electricity, Code Enforcement Division, governing the Experience Requirements for the Licensure and Approval of Electrical Equipment, as published in the State Register, Monday, 13 April, 1992, Page 2237. (Chapter 3800).

DATE: MAY 5, 1992

NAME: RONALD M. ADAS

ADDRESS: 2402 132ND AVE NW
COON RAPIDS, MN 55448

REASON FOR REQUEST FOR PUBLIC HEARING:
OPPOSITION TO SECTION 3800.3620
ELECTRICAL EQUIPMENT EXEMPT FROM
LISTING REQUIREMENTS ITEM # D2

COMMENTS: ELECTRICAL EQUIPMENT PRESENTLY
INSPECTED BY THE ELEVATION INSPECTION DEPT.
SHOULD NOT BE REQUIRED TO HAVE AN
ADDITIONAL INSPECTION BY THE ELECTRICAL
AUTHORITY

BEFORE THE MINNESOTA

BOARD OF ELECTRICITY

In the Matter of the
Proposed Adoption of
Permenant Rules of the Board of
Electricity Relating to
Minimum Experience Requirements
for Licensure and Approval of
Electrical Equipment

DECLARATION OF COUNSEL

I, Louis Hoffman, Special Assistant Attorney General, do hereby declare that I have examined the above-captioned rules and the supporting rulemaking record and that, based on my examination, the Administrative Procedure Act and Minn. Rules ch. 2010 have been followed. Any exceptions are listed below. For Attorney General billing purposes, the four-digit docket client code is 0138.

Dated: June 17, 1992.

LOUIS HOFFMAN
Special Assistant
Attorney General

LCRAR

Legislative Commission
to Review Administrative Rules
55 State Office Building
St. Paul, Minnesota 55155-1201
Telephone 612/296-1143

Maryanne V. Hruby, Director

Representative Peter Rodosovich
Chair

Senator Phil Riveness
Vice Chair

April 23, 1992

Mr. John Quinn, Executive Secretary
State Board of Electricity
1821 University Avenue
Room S-173 Griggs Midway Building
St. Paul, Minnesota 55104

Dear Mr. Quinn:

I write to request a copy of the Board's Statement of Need and Reasonableness (SONAR) for recently published rules relating to minimum experience requirements for licensure and approval of electrical equipment.

As you may know, Minnesota Statutes, sections 14.131 and 14.23 now require state agencies to provide copies of SONAR's to the LCRAR when they become available for public review.

If you have not already done so, please send a copy of the SONAR for these proposed rules to:

The Legislative Commission to Review Administrative Rules
Maryanne Hruby, Director
55 State Office Building
St. Paul, Minnesota 55155

Please contact me at 296-1143 if you have any questions.

Thank you.

Sincerely,

Copy mailed 4-28-92

Michele Swanson
Commission Secretary

RECEIVED
APR 28 1992
State Board of Electricity

Representatives Phil Carruthers • Jim Farrell • Dave Gruenes • Ray Welker
Senators Betty Adkins • William Belanger • John Hottinger • Fritz Knaak

DEPARTMENT: ATTORNEY GENERAL

STATE OF MINNESOTA

Office Memorandum

DATE: June 15, 1992

TO: PATRICIA S. NOLTE
Legal Assistant
Public Finance Division

FROM: LOUIS HOFFMAN
Special Assistant
Attorney General

PHONE: 296-9422

SUBJECT: Adopted Permanent Rules Relating to Minimum Experience Requirements for Licensure and Approval of Electrical Equipment

Enclosed are the documents listed in the attached Index for your review.

LH:vpd
Encl.

cc: John D. Quinn
Executive Secretary

INDEX

1. Certificate of Board of Electricity's Authorizing Resolution, Minn. Rules pt. 2010.0300C.

2. Copy of proposed rule with a Certificate of Approval as to Form by the Revisor of Statutes, Minn. Rules pt. 2010.0300D.

3. Notice of Intent to Adopt Rules Without a Public Hearing, as Mailed, Minn. Rules pt. 2010.0300E.

4. Statement of Need and Reasonableness, Minn. Rules pt. 2010.0300F.

5. Affidavit of Mailing Notice of Intent to Adopt Rules Without a Public Hearing plus mailing list. Minn. Rules pt. 2010.0300G.

6. Copy of the Notice of Intent to Adopt Rules Without a Public Hearing as published in the State Register, Minn. Rules pt. 2010.0300H.

7. Four copies of the Rules as adopted, Minn. Rules pt. 2010.0300I.

8. Certificate of Board of Electricity's Resolution Adopting the Rule, Minn. Rules pt. 2010.0300J.

9. Findings of Fact, Conclusions, and Order Adopting Rule Without Public Hearing, Minn. Rules pt. 2010.0300K.

10. Declaration of Counsel, Minn. Rules pt. 2010.0300M.

BOARD OF ELECTRICITY

In the Matter of the Proposed
Amendments to Permanent Rules Relating to
Minimum Experience Requirements for Licensure
And Approval of Electrical Equipment

CERTIFICATE OF BOARD'S

AUTHORIZING RESOLUTION

I, George Meyer, do hereby certify that I am a member and the President of the State Board of Electricity, a board duly authorized under the laws of the State of Minnesota, and that the following is a true, complete and correct copy of a resolution adopted at a meeting of the Board of Electricity duly and properly called and held on the 10th day of March, 1992, that a quorum was present at said meeting, that a majority of those present voted for the resolution and that said resolution is set forth in the minutes of said meeting and has not been rescinded or modified.

Resolved that John Quinn, Executive Secretary of the Board of Electricity, is hereby granted the authority and directed to take over the steps necessary to adopt rules governing amendments to permanent rules relating to Minimum Experience Requirement for Licensure and Approval of Electrical Equipment including setting up the required administrative hearing upon receiving the rule approved as to form from the Revisor of Statutes.

IN WITNESS WHEREOF, I have hereunto subscribed my name this 10th day of March, 1992.

George Meyer, President
State Board of Electricity

Garry Bye, Vice President
State Board of Electricity

Office of the Revisor of Statutes
Administrative Rules

Carla M. Riehle
Assistant Revisor
297-2948

700 State Office Building
100 Constitution Avenue
St. Paul, MN 55155-1297

March 27, 1992

John Quinn
Board of Electricity
1821 University Ave., Rm. S173
St. Paul, MN 55104

RE: File No. 2022

Dear Mr. Quinn:

I am enclosing six copies of your rules, approved as to form.
Please submit two copies to the State Register for publication.

If you have any questions, please call me.

Very truly yours,

Carla M. Riehle

STATE OF MINNESOTA
DEPARTMENT OF ADMINISTRATION
BOARD OF ELECTRICITY

In the Matter of the Proposed Adoption of the Rule of the State Board of Electricity Amending Minimum Experience Requirements for Licensure and Approval of Electrical Equipment

FINDING OF FACT, CONCLUSIONS, AND ORDER ADOPTING RULE WITHOUT PUBLIC HEARING

Notice of the Board's intent to adopt the above-entitled rule was published in the State Register on April 13, 1992 and was sent by United States mail to all persons on the list maintained by the agency pursuant to Minnesota Statutes, sections 14.14, subdivision 1a and 14.22 on April 9, 1992. The statement of need and reasonableness was prepared before the notice of intent to adopt a rule without a public hearing was mailed to all persons on the rulemaking list and published in the State Register and was available to the public.

All persons were given the opportunity to submit comment on the rule for 30 days after the notice of proposed rulemaking.

The Board of Electricity has examined all of the documents and has received one request for a copy of the proposed rule, two requests for clarification of the rule, one request supporting the rule with three questions, three comments supporting the rule with recommendations for minor word change, twenty-nine requests sent in one envelope from the Elevator Association of Minnesota, Incorporated of which twenty-eight requested a public hearing for areas not addressed in any portion of the Board's proposed rule and one that does not request a public hearing, but is commenting on areas that are not addressed in any portion of the Board's proposed rule, ten requests for public hearing sent in one envelope from R & O Elevator Company, Incorporated which do not address any portion of the Board's proposed rule which have been duly noted. The Elevator Association has rescinded its twenty-eight requests for public

hearing in writing to the Board. No requests for notice of submission to the attorney general were received by the agency.

Based on the comments and evidence in the record before the agency, we find the following:

The above-captioned rule is needed and reasonable.

NOW, THEREFORE, IT IS ORDERED that the rule identified as Minimum Experience Requirements for Licensure and Approval of Electrical Equipment be adopted this 9th day of June, 1992, pursuant to the authority vested in the Board.

GEORGE MEYER, PRESIDENT
State Board of Electricity

Board of Electricity

Proposed Permanent Rules Relating to Minimum Experience Requirements for Licensure and Approval of Electrical Equipment

Rules as Proposed

3800.3520 EXAMINATION; MINIMUM EXPERIENCE REQUIREMENTS FOR LICENSURE; EXPERIENCE ACCEPTABLE TO BOARD.

[For text of subps 1 and 2, see M.R.]

Subp. 3. **Maximum allowable credit under certain conditions.** The maximum allowable electrical experience credit under the following conditions shall be as stated:

A. before age 12, none;

B. before age 16, six months;

C. ~~in the military service, 12 months;~~

~~D.~~ in foreign countries, 12 months; and

~~E~~ D. acquired during the school term of a board-approved post high school electrical course, none.

Subp. 4. **Experience acceptable to board for certain categories in certain situations.** Experience in the categories of planning for the installation of wiring, apparatus, and equipment for light, heat, and power; laying out for the installation of wiring, apparatus, and equipment for light, heat, and power; supervising the installation of wiring, apparatus, and equipment for light, heat, and power; and wiring and installing electrical wiring, apparatus, and equipment for light, heat, and power is acceptable to the board in the situations described in items A to ~~D~~ E.

[For text of items A to D, see M.R.]

E. Experience while performing electrical work in the armed forces of the United States which the board has determined is substantially equivalent to work performed while in the employ of a licensed electrical contractor in Minnesota. This determination shall be based on a certification by the military for the type of work performed.

Approved by Revisor

[For text of subp 5, see M.R.]

3800.3620 APPROVAL OF ELECTRICAL EQUIPMENT.

[For text of subps 1 and 2, see M.R.]

Subp. 3. **Equipment exempt from listing requirements.** Equipment described in items A to ~~C~~ E is exempt from the requirements in subparts 1 and 2.

A. Industrial machinery as defined by Section 670-2 of the National Electrical Code is not required to be listed where all electrical components of the equipment, including electrical control panels and solid-state motor controls, are in compliance with item B, C, or D, or subpart 1 or 2, and all of the machine electrical wiring is in compliance with the National Electrical Code.

B. Electrical ~~control~~ equipment ~~constructed according to the listed requirements,~~ enclosed in a listed cabinet or box suitable for the environment in which it is installed, and electrically connected only to circuits supplied from listed Class 2, logic level, communications, or other circuits with maximum open circuit voltage of 30 volts rms AC, or DC, and overcurrent protection of ~~two~~ eight amperes or less, or to any combination of such circuits, is not required to be listed, provided further that any printed wiring boards shall be of listed material and shall be permitted to be supplied from a listed microcomputer power supply.

C. Electrical control equipment constructed according to the listed requirements and enclosed in a listed cabinet or box suitable for the environment in which it is located, where the enclosed equipment consists of ~~four~~ eight or fewer listed components, other than wires, cables, cords, terminal assemblies, nonelectrical components, and those covered under item B, provided that the devices are not electrically connected to circuits on a printed wiring board other than those circuits covered under item B, is not required to be listed.

D. Custom-made electrical equipment or related installations that are designed and manufactured to a

Approved
by Revisor _____

purchaser's specifications and are not marketed to the general public are exempt from listing and labeling requirements. Equipment or installations exempt under this item are subject to the following:

(1) they must be determined to be safe for their intended use by the manufacturer on the basis of test data which the purchaser keeps and makes available to the electrical inspection authority having jurisdiction, as required by Code of Federal Regulations, title 29, part 1910.399 (1991), for equipment or installations subject to national occupational safety and health laws; or

(2) they must be inspected by the electrical inspection authority having jurisdiction for compliance with the construction requirements of the applicable electrical standards used by electrical testing laboratories to evaluate the equipment, or the National Electrical Code, whichever is less stringent. Schematic wiring diagrams, component layout diagrams, and component electrical rating information shall be provided to enable evaluation under this subitem.

E. Utilization equipment as defined by the National Electrical Code is not required to be listed if:

(1) the equipment includes eight or fewer electrical components which are listed or are exempt from listing by item B or C; and

(2) all wiring that is part of the equipment is in compliance with the National Electrical Code.

Approved
by Revisor _____

Office of the Revisor of Statutes

Administrative Rules

TITLE: Proposed Permanent Rules Relating to Minimum Experience Requirements for Licensure and Approval of Electrical Equipment

AGENCY: Board of Electricity

MINNESOTA RULES: Chapter 3800

The attached rules are approved for publication in the State Register

Carla M. Riehle
Assistant Revisor

Board of Electricity

Proposed Permanent Rules Relating to Minimum Experience Requirements for Licensure and Approval of Electrical Equipment

Notice of Intent to Adopt Rules Without a Public Hearing

(1) Notice is hereby given that the State Board of Electricity ("board") proposes to adopt the above-entitled rule without a public hearing. The Board has determined that the proposed adoption of this rule will be noncontroversial in nature and has elected to follow the procedures set forth in Minnesota Statutes § 14.22 to 14.28. Authority for the adopting of this rule is contained in Minnesota Statutes § 326.241, subd. 6.

(12) Additionally, a statement of need and reasonableness that describes the need for and identifies the data and information relied upon to support the proposed rule, has been prepared and is available from Mr. Quinn upon request.

(2) All persons have 30 days in which to submit comment in support of or in opposition to the proposed rule or any part or subpart of the rule. Comment is encouraged. (3) Each comment should identify the portion of the proposed rule addressed, the reason for the comment, and any change proposed.

Any person may make a written request for a public hearing on the rule within the 30-day comment period. (4) If 25 or more persons submit a written request for a public hearing within the 30-day comment period, a public hearing will be held unless a sufficient number withdraw their requests in writing. (6) Any person requesting a public hearing should state his or her name and address, and is encouraged to identify the portion of the proposed rule addressed, the reason for the request, and any change proposed. (7) If a public hearing is required, the agency will proceed pursuant to Minnesota Statutes, section 14.13 to 14.20. If no hearing is requested, the agency will adopt the proposed rule effective five working days after final publication in the State Register.

(5) Persons who wish to submit comments or a written request for a public hearing should submit such comments or request to:

Mr. John Quinn
Executive Secretary
State Board of Electricity
S-173 University Avenue
St. Paul, Minnesota 55104
Telephone: 612/642-0800

(8) The proposed rule may be modified if the modifications are supported by data and views submitted to the agency and do not result in a substantial change in the proposed rule noticed.

(11) A copy of the proposed rule is attached to this notice. Additional copies may be obtained by contacting Mr. Quinn.

(14) You are hereby advised, pursuant to Minnesota Statutes § 14.115 (1986), "Small business considerations in rulemaking," that the proposed rule amendments will have no adverse effect on small businesses.

(9) If no hearing is required, upon adoption of the rule, the rule and the required supporting documents will be submitted to the Attorney General's Office for review as to legality and form to the extent the form relates to legality. Any person may request notification of the date of submission of this material to the Attorney General, or who wish to receive a copy of the adopted rule, must submit a written request to the State Board of Electricity.

not signed

John Quinn, Executive Secretary
State Board of Electricity

In the Matter of the Proposed Permanent Rules Relating to Minimum Experience Requirements for Licensure and Approval of Electrical Equipment

AFFIDAVIT OF MAILING THE NOTICE OF INTENT TO ADOPT A RULE WITHOUT A PUBLIC HEARING AND CERTIFICATE OF MAILING LIST

STATE OF MINNESOTA)
) ss.
COUNTY OF RAMSEY)

Julie A. Klejewski, being sworn says:

I hereby certify that the list of persons and associations who have requested, pursuant to Minnesota Statutes, Sections 14.14, Subdivision 1a and 14.22 or 14.30, that their names be placed on the State Board of Electricity rulemaking mailing list is accurate, complete, and current as of this 9th day of April, 1992.

That on the 9th day of April, 1992, at the City of St. Paul, County of Ramsey, State of Minnesota, I mailed the attached Notice of Intent to Adopt a Rule Without a Public Hearing by depositing in the United States mail a copy thereof, with postage prepaid to all persons and associations on the aforementioned mailing list.

Julie A. Klejewski

Julie A. Klejewski

Subscribed and sworn to before me this 9th day of April, 1992.

Joanne P. Peterson

JOANNE P. PETERSON
NOTARY PUBLIC - MINNESOTA
RAMSEY COUNTY
My Commission Expires Sept. 10, 1996

RULES MAILING LIST
Rev. 03/31/92
Rules.lst

Dennis R. Johnson
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Mr. Steve Olinger,
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Mankato, MN 56001

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POST Board
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St. Paul, MN 55104

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Bd of Architecture,
500 Metro Square Bldg.
St. Paul, MN 55101

Building Code Division
408 Metro Square Bldg.
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ATTN: Peggi Opalinski

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OPTIONAL RULES
MAILING LIST
Revised 3/31/92

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299 Johnson Avenue
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OPTIONAL RULES
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PRESIDENT
METAL TREATERS, INC.
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ST. PAUL, MN 55104

ROBERT MILTON
417 TRANSPORTATION BLDG.
395 JOHN IRELAND BLVD.
ST. PAUL, MN 55155

Office of the Revisor of Statutes

Administrative Rules

Carla M. Riehle
Assistant Revisor
297-2948

700 State Office Building
100 Constitution Avenue
St. Paul, MN 55155-1297

June 2, 1992

John Quinn
Board of Electricity
1821 University Ave., Rm. S173
St. Paul, MN 55104

RE: File No. 2022

Dear Mr. Quinn:

Enclosed are four copies of your rule with the modifications you requested.

Please submit the rules to the Attorney General or the Office of Administrative Hearings, as appropriate.

If you have any questions or need further modifications, please call me.

Very truly yours,

Carla M. Riehle

C. for certified copies or reproduction of any document required to be supplied on behalf of any applicant for registration in another state, the cost of reproducing the document, ~~as the board determines~~ will be ten cents per sheet;

D. for monitoring licensing examinations for applicants of boards of other states at overseas test sites, the fee shall be ~~$10~~ $25, payable by the applicant.

Board of Electricity

Proposed Permanent Rules Relating to Minimum Experience Requirements for Licensure and Approval of Electrical Equipment

Notice of Intent to Adopt Rules Without a Public Hearing

NOTICE IS HEREBY GIVEN that the State Board of Electricity ("board") proposes to adopt the above-entitled rule without a public hearing. The Board has determined that the proposed adoption of this rule will be noncontroversial in nature and has elected to follow the procedures set forth in *Minnesota Statutes* § 14.22 ot 14.28. Authority for the adopting of this rule is contained in *Minnesota Statutes* § 326.241, subd. 6.

Additionally, a statement of need and reasonableness that describes the need for and identifies the data and information relied upon to support the proposed rule, has been prepared and is available from Mr. Quinn upon request.

All persons have 30 days in which to submit comment in support of or in opposition to the proposed rule or any part or subpart of the rule. Comment is encouraged. Each comment should identify the portion of the proposed rule addressed, the reason for the comment, and any change proposed.

Any person may make a written request for a public hearing on the rule within the 30-day comment period. If 25 or more persons submit a written request for a public hearing within the 30-day comment period, a public hearing will be held unless a sufficient number withdraw their requests in writing. Any person requesting a public hearing should state his or her name and address, and is encouraged to identify the portion of the proposed rule addressed, the reason for the request, and any change proposed. If a public hearing is required, the agency will proceed pursuant to *Minnesota Statutes*, section 14.13 to 14.20. If no hearing is requested, the agency will adopt the proposed rule effective five working days after final publication in the *State Register.*

Persons who wish to submit comments or a written request for a public hearing should submit such comments or request to:

Mr. John Quinn
Executive Secretary
State Board of Electricity
S-173 University Avenue
St. Paul, Minnesota 55104
Telephone: 612/642-0800

The proposed rule may be modified if the modifications are supported by data and views submitted to the agency and do not result in a substantial change in the proposed rule noticed.

A copy of the proposed rule is attached to this notice. Additional copies may be obtained by contacting Mr. Quinn.

You are hereby advised, pursuant to *Minnesota Statutes* § 14.115 (1986), "Small business considerations in rulemaking," that the proposed rule amendments will have no adverse effect on small businesses.

If no hearing is required, upon adoption of the rule, the rule and the required supporting documents will be submitted to the Attorney General's Office for review as to legality and form to the extent the form relates to legality. Any person may request notification of the date of submission of this material to the Attorney General, or who wish to receive a copy of the adopted rule, must submit a written request to the State Board of Electricity.

John Quinn, Executive Secretary
State Board of Electricity

Rules as Proposed

3800.3520 EXAMINATION; MINIMUM EXPERIENCE REQUIREMENTS FOR LICENSURE; EXPERIENCE ACCEPTABLE TO BOARD.

[For text of subps 1 and 2, see M.R.]

Subp. 3. **Maximum allowable credit under certain conditions.** The maximum allowable electrical experience credit under the following conditions shall be as stated:

A. before age 12, none;

B. before age 16, six months;

C. ~~in the military service, 12 months;~~

~~D.~~ in foreign countries, 12 months; and

~~E~~ D. acquired during the school term of a board-approved post high school electrical course, none.

Subp. 4. **Experience acceptable to board for certain categories in certain situations.** Experience in the categories of planning for the installation of wiring, apparatus, and equipment for light, heat, and power; laying out for the installation of wiring, apparatus, and equipment for light, heat, and power; supervising the installation of wiring, apparatus, and equipment for light, heat, and power; and wiring and installing electrical wiring, apparatus, and equipment for light, heat, and power is acceptable to the board in the situations described in items A to ~~D~~ E.

[For text of items A to D, see M.R.]

E. Experience while performing electrical work in the armed forces of the United States which the board has determined is substantially equivalent to work performed while in the employ of a licensed electrical contractor in Minnesota. This determination shall be based on a certification by the military for the type of work performed.

[For text of subp 5, see M.R.]

3800.3620 APPROVAL OF ELECTRICAL EQUIPMENT.

[For text of subps 1 and 2, see M.R.]

Subp. 3. **Equipment exempt from listing requirements.** Equipment described in items A to ~~C~~ E is exempt from the requirements in subparts 1 and 2.

A. Industrial machinery as defined by Section 670-2 of the National Electrical Code is not required to be listed where all electrical components of the equipment, including electrical control panels and solid-state motor controls, are in compliance with item B, C, or D, or subpart 1 or 2, and all of the machine electrical wiring is in compliance with the National Electrical Code.

B. Electrical ~~control~~ equipment ~~constructed according to the listed requirements,~~ enclosed in a listed cabinet or box suitable for the environment in which it is installed, and electrically connected only to circuits supplied from listed Class 2, logic level, communications, or other circuits with maximum open circuit voltage of 30 volts rms AC, or DC, and overcurrent protection of ~~two~~ eight amperes or less, or to any combination of such circuits, is not required to be listed, provided further that any printed wiring boards shall be of listed material and shall be permitted to be supplied from a listed microcomputer power supply.

C. Electrical control equipment constructed according to the listed requirements and enclosed in a listed cabinet or box suitable for the environment in which it is located, where the enclosed equipment consists of ~~four~~ eight or fewer listed components, other than wires, cables, cords, terminal assemblies, nonelectrical components, and those covered under item B, provided that the devices are not electrically connected to circuits on a printed wiring board other than those circuits covered under item B, is not required to be listed.

D. Custom-made electrical equipment or related installations that are designed and manufactured to a purchaser's specifications and are not marketed to the general public are exempt from listing and labeling requirements. Equipment or installations exempt under this item are subject to the following:

(1) they must be determined to be safe for their intended use by the manufacturer on the basis of test data which the purchaser keeps and makes available to the electrical inspection authority having jurisdiction, as required by *Code of Federal Regulations*, title 29, part 1910.399 (1991), for equipment or installations subject to national occupational safety and health laws; or

(2) they must be inspected by the electrical inspection authority having jurisdiction for compliance with the construction requirements of the applicable electrical standards used by electrical testing laboratories to evaluate the equipment, or the National Electrical Code, whichever is less stringent. Schematic wiring diagrams, component layout diagrams, and component electrical rating information shall be provided to enable evaluation under this subitem.

E. Utilization equipment as defined by the National Electrical Code is not required to be listed if:

(1) the equipment includes eight or fewer electrical components which are listed or are exempt from listing by item B or C; and

(2) all wiring that is part of the equipment is in compliance with the National Electrical Code.

KEY: PROPOSED RULES SECTION — Underlining indicates additions to existing rule language. ~~Strike outs~~ indicate deletions from existing rule language. If a proposed rule is totally new, it is designated "all new material." **ADOPTED RULES SECTION** — Underlining indicates additions to proposed rule language. ~~Strike outs~~ indicate deletions from proposed rule language.

BOARD OF ELECTRICITY

In the Matter of the Proposed Permanent Rules
Relating to Minimum Experience Requirements
for Licensure and Approval of Electrical Equipment

CERTIFICATE OF BOARD'S

AUTHORIZING RESOLUTION

Resolved, that the Board of Electricity has examined all of the documents and has received one request for a copy of the proposed rule, two requests for clarification of the rule, one request supporting the rule with three questions, three comments supporting the rule with recommendations for minor word change, twenty-nine requests sent in one envelope from the Elevator Association of Minnesota, Incorporated of which twenty-eight requested a public hearing for areas not addressed in any portion of the Board's proposed rule and one that does not request a public hearing, but is commenting on areas that are not addressed in any portion of the Board's proposed rule, ten requests for public hearing sent in one envelope from R & O Elevator Company, Incorporated which do not address any portion of the Board's proposed rule which have been duly noted. The Elevator Association has rescinded its twenty-eight requests for public hearing in writing to the Board.

Be it further resolved that the rules amending minimum experience requirements for licensure and the approval of electrical equipment published in the State Register April 13, 1992, pp. 2236-2237, are hereby adopted as published effective five working days after final publication in the State Register, with the following modifications:

p. 2, line 22: labeled microcomputer power supply;

p. 3, lines 14 and 15: equipment, or the National
Electrical Code. Schematic wiring diagrams, component layout

Be it further resolved that John Quinn, Executive Secretary of the Board of Electricity, is hereby authorized to take all steps necessary for final adoption of these rules.

I hereby certify that the following is a true and correct copy of a resolution adopted by the Board of Electricity.

IN WITNESS WHEREOF, I have hereunto subscribed my name this 9th day of June, 1992.

George Meyer

GEORGE MEYER, PRESIDENT
State Board of Electricity

Robert C. Thompson

ROBERT THOMPSON, SECRETARY
State Board of Electricity

STATE OF MINNESOTA
DEPARTMENT OF ADMINISTRATION
BOARD OF ELECTRICITY

In the Matter of the Proposed Adoption of the Rule of the State Board of Electricity Amending Minimum Experience Requirements for Licensure and Approval of Electrical Equipment

FINDING OF FACT, CONCLUSIONS, AND ORDER ADOPTING RULE WITHOUT PUBLIC HEARING

(1) Notice of the Board's intent to adopt the above-entitled rule was published in the State Register on April 13, 1992 and was sent by United States mail to all persons on the list maintained by the agency pursuant to Minnesota Statutes, sections 14.14, subdivision 1a and 14.22 on April 9, 1992. (2) The statement of need and reasonableness was prepared before the notice of intent to adopt a rule without a public hearing was mailed to all persons on the rulemaking list and published in the State Register and was available to the public.

(4) All persons were given the opportunity to submit comment on the rule for 30 days after the notice of proposed rulemaking.

(3) The Board of Electricity has examined all of the documents and has received one request for a copy of the proposed rule, two requests for clarification of the rule, one request supporting the rule with three questions, three comments supporting the rule with recommendations for minor word change, twenty-nine requests sent in one envelope from the Elevator Association of Minnesota, Incorporated of which twenty-eight requested a public hearing for areas not addressed in any portion of the Board's proposed rule and one that does not request a public hearing, but is commenting on areas that are not addressed in any portion of the Board's proposed rule, ten requests for public hearing sent in one envelope from R & O Elevator Company, Incorporated which do not address any portion of the Board's proposed rule which have been duly noted. The Elevator Association has rescinded its twenty-eight requests for public

hearing in writing to the Board. No requests for notice of submission to the attorney general were received by the agency. (7)

Based on the comments and evidence in the record before the agency, we find the following:

The above-captioned rule is needed and reasonable. (8)

NOW, THEREFORE, IT IS ORDERED that the rule identified as Minimum Experience Requirements for Licensure and Approval of Electrical Equipment be adopted this 9th day of June, 1992, pursuant to the authority vested in the Board. (9)

George Meyer

GEORGE MEYER, PRESIDENT
State Board of Electricity

THE
ELEVATOR ASSOCIATION
OF MINNESOTA INC.

2415 Annapolis Lane, Suite 110
Minneapolis, Minnesota 55441
(612) 559-0940

June 8, 1992

Mr. John Quinn
Executive Secretary
State Board of Electricity
South 173 University Avenue
St. Paul, MN 55104

RE: Proposed Rules
State Board of Electricity

Dear Mr. Quinn:

This letter is in response to your letter dated May 18, 1992, and Mr. Louis Hoffman's letter dated June 1, 1992. We, as an association, agree to withdraw our requests for a public hearing with the understanding that the State Board of Electricity will schedule a hearing, either formal or informal, to address the concerns of our association.

We are aware of the high cost of a public hearing. However, we are also concerned about potential added costs for our customers.

Should you have any questions, please call me. We look forward to meeting with you to address our specific concerns.

Very truly yours,

ELEVATOR ASSOCIATION
OF MINNESOTA

Neal A. Holmstrom
President
(612) 939-5328

NEH/dlh

cc: Bernie Wiklund - Vice President EAOM
David J. Anderson - Secretary/Treasurer EAOM
Jim Berg - Department of Labor and Industry
Louis Hoffman - Office of the Attorney General

THE
ELEVATOR ASSOCIATION
OF MINNESOTA INC.

2415 Annapolis Lane, Suite 110
Minneapolis, Minnesota 55441
(612) 559-0940

June 8, 1992

Mr. John Quinn
Executive Secretary
State Board of Electricity
South 173 University Avenue
St. Paul, MN 55104

RE: Proposed Rules
State Board of Electricity

Dear Mr. Quinn:

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Should you have any questions, please call me. We look forward to meeting with you to address our specific concerns.

Very truly yours,

ELEVATOR ASSOCIATION
OF MINNESOTA

Neal A. Holmstrom
President
(612) 939-5328

NEH/dlh

cc: Bernie Wiklund - Vice President EAOM
David J. Anderson - Secretary/Treasurer EAOM
Jim Berg - Department of Labor and Industry
Louis Hoffman - Office of the Attorney General