

Dear Senators TIPPETS, Patrick, Schmidt, and
Representatives HENDERSON, Thompson, Smith:

The Legislative Services Office, Research and Legislation, has received the enclosed rules of the
Division of Building Safety:

IDAPA 07.01.06 - Rules Pertaining To The Rules Governing the Use of National Electrical Code
(Docket No. 07-0106-1301);

IDAPA 07.01.10 - Rules Pertaining To The Rules Governing Certification & Approval of Electrical
Products & Materials (Docket No. 07-0110-1301);

IDAPA 07.05.01 - Rules Pertaining To The Rules of the Public Works Contractors License Board
(Docket No. 07-0501-1301);

IDAPA 07.07.01 - Rules Pertaining To The Rules Governing Installation of Heating, Ventilation, &
Air Conditioning Systems (Docket No. 07-0701-1301).

Pursuant to Section 67-454, Idaho Code, a meeting on the enclosed rules may be called by the
cochairmen or by two (2) or more members of the subcommittee giving oral or written notice to Research
and Legislation no later than fourteen (14) days after receipt of the rules analysis from Legislative
Services. The final date to call a meeting on the enclosed rules is no later than 11/01/2013. If a meeting is
called, the subcommittee must hold the meeting within forty-two (42) days of receipt of the rules analysis
from Legislative Services. The final date to hold a meeting on the enclosed rules is 12/03/2013.

The germane joint subcommittee may request a statement of economic impact with respect to a
proposed rule by notifying Research and Legislation. There is no time limit on requesting this statement,
and it may be requested whether or not a meeting on the proposed rule is called or after a meeting has
been held.

To notify Research and Legislation, call 334-4845, or send a written request to the address on the
memorandum attached below.



Jeff Youtz
Director

Legislative Services Office Idaho State Legislature

Serving Idaho's Citizen Legislature

MEMORANDUM

TO: Rules Review Subcommittee of the Senate Commerce & Human Resources Committee and the House Business Committee
FROM: Deputy Division Manager - Eric Milstead
DATE: October 15, 2013
SUBJECT: Division of Building Safety

IDAPA 07.01.06 - Rules Pertaining To The Rules Governing the Use of National Electrical Code (Docket No. 07-0106-1301)

IDAPA 07.01.10 - Rules Pertaining To The Rules Governing Certification & Approval of Electrical Products & Materials (Docket No. 07-0110-1301)

IDAPA 07.05.01 - Rules Pertaining To The Rules of the Public Works Contractors License Board (Docket No. 07-0501-1301)

IDAPA 07.07.01 - Rules Pertaining To The Rules Governing Installation of Heating, Ventilation, & Air Conditioning Systems (Docket No. 07-0701-1301)

1. IDAPA 07.01.06 - Rules Pertaining To The Rules Governing the Use of National Electrical Code (Docket No. 07-0106-1301).

The Division of Building Safety submits notice of proposed rulemaking at IDAPA 07.01.06 -- Rules Governing the Use of National Electrical Code. The proposed rule adopts the 2014 edition of the National Electrical Code with several amendments. The amendments reflected in the proposed rule relate to circuits and receptacles located near sinks, in laundry rooms and kitchens and on decks and porches. (See Rule Section 011.01.a. through d.) Also, the Division notes that the proposed rule eliminates previous amendments to certain bonding requirements which have been adequately addressed in the 2014 edition of the National Electric Code. (See, Rule Section 011.01.f.)

The Division states that the proposed rule reflects negotiated rulemaking and the collaborative effort of members of the electrical industry, local building officials, code development officials, board members and other stakeholders.

The Division's proposed rule appears to be authorized pursuant to sections 54-1001 and 54-1006, Idaho Code.

2. IDAPA 07.01.10 - Rules Pertaining To The Rules Governing Certification & Approval of Electrical Products & Materials (Docket No. 07-0110-1301)

The Division of Building Safety submits notice of proposed rulemaking at IDAPA 07.01.10 -- Rules Governing Certification and Approval of Electrical Products and Materials. The proposed rule revises provisions

Mike Nugent, Manager
Research & Legislation

Cathy Holland-Smith, Manager
Budget & Policy Analysis

April Renfro, Manager
Legislative Audits

Glenn Harris, Manager
Information Technology

relating to the certification and approval of electrical products and materials. Specifically, the changes revise provisions relating to testing laboratories used to test certain electrical products and materials. (See Rule Section 011.01.) The proposed rule also provides new language allowing and governing the use of field evaluations of certain electrical equipment. (See Rule Section 011.02. and 03.)

The Division states that formal negotiated rulemaking was not conducted but the change found in the proposed rule was an agenda topic at six different meetings of the Electrical Board over a two year period. The Division states that the Board believed that all stakeholders and interested parties were recognized and had opportunity to participate in the "adoption process." The Division does note, however, that not all stakeholders favored adoption of the rule revisions.

The Division's proposed rule appears to be authorized pursuant to sections 54-1001 and 54-1006, Idaho Code.

3. IDAPA 07.05.01 - Rules Pertaining To The Rules of the Public Works Contractors License Board (Docket No. 07-0501-1301).

The Division of Building Safety submits notice of proposed rulemaking at IDAPA 07.05.01 -- Rules of the Public Works Contractors License Board. This brief proposed rule includes two principal revisions. The rule provides for the electronic submission of an application for public works contractor licensure; and the rule revises provisions governing the extension of time to renew an application. (See Rule Sections 105.03 and 110.)

The Division notes that negotiated rulemaking was not conducted because the rulemaking concerned only administrative issues.

The Divisions' proposed rule appears to be authorized pursuant to sections 54-1907 and 54-1910, Idaho Code.

4. IDAPA 07.07.01 - Rules Pertaining To The Rules Governing Installation of Heating, Ventilation, & Air Conditioning Systems (Docket No. 07-0701-1301)

The Division of Building Safety submits notice of proposed rulemaking at IDAPA 07.07.01 -- Rules Governing Installation of Heating, Ventilation & Air Conditioning Systems. The proposed rule includes the following principal revisions. The proposed rule adopts the 2012 edition of the International Mechanical Code; the 2012 edition of the International Fuel Gas Code; and Part V and VI of the 2012 edition of the International Residential Code for One and Two Family Dwellings. (See Rule Section 004.01., Rule Section 005. and Rule Section 006.) The proposed rule also provides amendments governing the gauge of sheet metal in specific circumstances and exhaust ducts as well as additional amendments governing certain air ventilation requirements. (See Rule Sections 004.01.f. and g., and 006.01.i. through l.)

The Division notes that negotiated rulemaking was conducted in this docket. The agency states that the proposed rule is the result of collaboration and consensus among stakeholders

The Division's proposed rule appears to be authorized pursuant to section 54-5004, Idaho Code.

cc: Division of Building Safety
Steve Keys

IDAPA 07 - DIVISION OF BUILDING SAFETY

07.01.06 - RULES GOVERNING THE USE OF NATIONAL ELECTRICAL CODE

DOCKET NO. 07-0106-1301

NOTICE OF RULEMAKING - PROPOSED RULE

AUTHORITY: In compliance with Section 67-5221(1), Idaho Code, notice is hereby given that this agency has initiated proposed rulemaking procedures. The action is authorized pursuant to Sections 54-1001 and 54-1006(5), Idaho Code.

PUBLIC HEARING SCHEDULE: Public hearing(s) concerning this rulemaking will be scheduled if requested in writing by twenty-five (25) persons, a political subdivision, or an agency, not later than October 16, 2013.

The hearing site(s) will be accessible to persons with disabilities. Requests for accommodation must be made not later than five (5) days prior to the hearing, to the agency address below.

DESCRIPTIVE SUMMARY: The following is a nontechnical explanation of the substance and purpose of the proposed rulemaking:

Currently, the 2008 edition of the National Electrical Code (NEC) is the standard by which all electrical installations in Idaho must be performed. The 2014 edition of the NEC will be adopted with this rulemaking. Adoption and amendment of the 2014 NEC was the result of negotiated rulemaking and the deliberations of a collaborative group consisting of members of the electrical industry, local building officials, code development officials, board members, and other interested stakeholders. The board skipped the adoption of the 2011 NEC in favor of resolving code issues within the industry through a collaborative and negotiated rulemaking process. Specifically, the 2014 NEC provides for arc fault circuit interrupter (AFCI) breakers to be installed for all circuits supplying outlets in dwelling unit family rooms, dining rooms, living rooms, parlors, dens, bedrooms, recreation rooms, closets, hallways, or similar rooms or areas. However, since 2008 the Board has only required AFCI breakers to be utilized for circuits supplying dwelling unit bedrooms as reflected in existing administrative rule amendment. At numerous board and collaborative meetings conducted over the past several years, the Board considered the input of contractors, manufacturers, consumers, and other affected industry participants before determining to retain the existing rule amendment regarding AFCI breakers. This rulemaking would result in adoption of 2014 NEC and retain the existing amendment that requires the use of such AFCI circuit breakers to be utilized only in dwelling unit bedrooms. The proposed rule would adopt the 2014 edition of the National Electric Code (NEC) along with several amendments to that code related to circuits and receptacles located near sinks, in laundry rooms and kitchens, and on decks and porches. The proposed rule would also eliminate earlier amendments to the bonding requirements which have been adequately addressed in the 2014 NEC.

FEE SUMMARY: The following is a specific description of the fee or charge imposed or increased: None.

FISCAL IMPACT: The following is a specific description, if applicable, of any negative fiscal impact on the state general fund greater than ten thousand dollars (\$10,000) during the fiscal year resulting from this rulemaking:

The adoption of the 2014 National Electrical Code is expected to cost DBS approximately \$5,000. This cost includes the cost of new code books and training associated with the implementation of the new code. Local jurisdictions will encounter similar costs.

NEGOTIATED RULEMAKING: Pursuant to Section 67-5220(1), Idaho Code, negotiated rulemaking was conducted. The Notice of Intent to Promulgate Rules - Negotiated Rulemaking was published in the May 1, 2013 Idaho Administrative Bulletin, [Vol. 13-5, pages 57 and 58](#).

INCORPORATION BY REFERENCE: Pursuant to Section 67-5229(2)(a), Idaho Code, the following is a brief synopsis of why the materials cited are being incorporated by reference into this rule:

Section 54-1001, Idaho Code, requires all electrical installations in the state of Idaho to be made substantially in accord with the National Electrical Code as newer editions shall be adopted from time to time by the Idaho Electrical Board. Currently, the 2008 edition of the National Electrical Code (NEC) is the standard by which all electrical installations in Idaho must be performed. The 2014 edition of the NEC will be adopted with this rulemaking. The

proposed rule will also adopt the 2014 edition of the National Electric Code (NEC) along with several amendments to that code related to circuits and receptacles located near sinks, in laundry rooms and kitchens, and on decks and porches.

ASSISTANCE ON TECHNICAL QUESTIONS, SUBMISSION OF WRITTEN COMMENTS: For assistance on technical questions concerning the proposed rule, contact Steve Keys, Deputy Administrator - Operations, at (208) 332-8986.

Anyone may submit written comments regarding this proposed rulemaking. All written comments must be directed to the undersigned and must be delivered on or before October 23, 2013.

DATED this 27th day of August, 2013.

Steve Keys
Deputy Administrator - Operations
Division of Building Safety
1090 E. Watertower St., Ste. 150
Meridian, ID 83642
PO Box 83720, Boise, ID 83720-0048
Phone: (208) 332-8986
Fax: 1-877-810-2840

THE FOLLOWING IS THE PROPOSED TEXT OF DOCKET NO. 07-0106-1301

011. ADOPTION AND INCORPORATION BY REFERENCE OF THE NATIONAL ELECTRICAL CODE, 2008~~14~~ EDITION.

01. Documents. Under the provisions of Section 54-1001, Idaho Code, the National Electrical Code, 2008~~14~~ Edition, (herein NEC) is hereby adopted and incorporated by reference for the state of Idaho and shall be in full force and effect on and after July 1, 2008~~14~~, with the *exception of the* following **amendments:** ~~(4-2-08)~~()

a. Article 210.8(A)(7) Sinks. Delete article 210.8(A)(7) and replace with the following: Sinks - located in areas other than kitchens where receptacles are installed within one and eight tenths (1.8) meters (six (6) feet) of the outside edge of the sink. ()

b. Article 210.8(A)(10). Delete article 210.8(A)(10). ()

c. Article 210.8(D). Delete article 210.8(D). ()

d. Article 210.52(E)(3). Delete article 210.52(E)(3) and replace with the following: Balconies, Decks, and Porches. Balconies, decks, and porches having an overall area of twenty (20) square feet or more that are accessible from inside the dwelling unit shall have at least one (1) receptacle outlet installed within the perimeter of the balcony, deck, or porch. The receptacle shall not be located more than two (2.0) meters (six and one half (6½) feet) above the balcony, deck, or porch surface. ()

e. Where the height of a crawl space does not exceed one ~~point~~ and four tenths (1.4) meters or four ~~point five~~ and one half (4.5) feet it shall be permissible to secure NM cables, that run at angles with joist, to the bottom edge of joist. NM cables that run within two ~~point~~ and one tenth (2.1) meters or seven (7) feet of crawl space access shall comply with Article 320.23. ~~(3-29-10)~~()

b.f. Article 675.8(B). Compliance with Article 675.8(B) will include the additional requirement that a disconnecting means always be provided at the point of service from the utility no matter where the disconnecting means for the machine is located. (5-3-03)()

eg. Article 550.32(B). Compliance with Article 550.32(B) shall limit installation of a service on a manufactured home to those homes manufactured after January 1, 1992. (5-3-03)

d.h. Poles used as lighting standards that are forty (40) feet or less in nominal height and that support no more than four (4) luminaires operating at a nominal voltage of three hundred (300) volts or less, shall not be considered to constitute a structure as that term is defined by the National Electrical Code (NEC). The disconnecting means shall not be mounted to the pole. The disconnecting means may be permitted elsewhere in accordance with NEC, Article 225.32, exception 3. SEC special purpose fuseable connectors (model SEC 1791-DF or model SEC 1791-SF) or equivalent shall be installed in a listed handhole (underground) enclosure. The enclosure shall be appropriately grounded and bonded per the requirements of the NEC applicable to Article 230-Services. Overcurrent protection shall be provided by a (fast-acting – minimum - 100K RMS Amps 600 VAC) rated fuse. Wiring within the pole for the luminaires shall be protected by supplementary overcurrent device (time-delay – minimum - 10K RMS Amps 600 VAC) in break-a-way fuse holder accessible from the hand hole. Any poles supporting or incorporating utilization equipment or exceeding the prescribed number of luminaires, or in excess of forty (40) feet, shall be considered structures, and an appropriate service disconnecting means shall be required per the NEC. All luminaire-supporting poles shall be appropriately grounded and bonded per the NEC. (4-6-05)

e.i. Compliance with Article 210.12 Arc-Fault Circuit-Interrupter Protection. (4-2-08)

i. Definition. Arc-Fault Circuit-Interrupter is a device intended to provide protection from the effects of arc faults by recognizing characteristics unique to arcing and by functioning to de-energize the circuit when an arc fault is detected. (4-2-08)

ii. Dwelling Unit Bedrooms. All one hundred twenty (120)-volt, single phase, fifteen (15)-ampere and twenty (20)-ampere branch circuits supplying outlets installed in dwelling unit bedrooms shall be protected by a listed arc-fault circuit interrupter, combination type installed to provide protection of the branch circuit. (4-2-08)

~~**f.** Compliance with Article 680.26 Bonding. (4-2-08)~~

~~i. Performance. The bonding required by this section shall be installed to eliminate voltage gradients in the pool area as prescribed. FPN: This section does not require that the eight (8) AWG or larger solid copper bonding conductor be extended or attached to any remote panelboard, service equipment, or any electrode. (4-2-08)~~

~~ii. Bonded Parts. The parts specified in 680.26(B)(1) through (B)(5) shall be bonded together. (4-2-08)~~

~~(1) Metallie Structural Components. All metallic parts of the pool structure, including the reinforcing metal of the pool shell, coping stones, and deck, shall be bonded. The usual steel tie wires shall be considered suitable for bonding the reinforcing steel together, and welding or special clamping shall not be required. These tie wires shall be made tight. If reinforcing steel is effectively insulated by an encapsulating nonconductive compound at the time of manufacture and installation, it shall not be required to be bonded. Where reinforcing steel is encapsulated with a nonconductive compound, provisions shall be made for an alternate means to eliminate voltage gradients that would otherwise be provided by unencapsulated, bonded reinforcing steel. (4-2-08)~~

~~(2) Underwater Lighting. All forming shells and mounting brackets of no niche luminaries (fixtures) shall be bonded unless a listed low voltage lighting system with nonmetallic forming shells not requiring bonding is used. (4-2-08)~~

~~(3) Metal Fittings. All metal fittings within or attached to the pool structure shall be bonded. Isolated parts that are not over one hundred (100) mm (four (4) inches) in any dimension and do not penetrate into the pool structure more than twenty five (25) mm (one (1) inch) shall not require bonding. (4-2-08)~~

~~(4) **Electrical Equipment.** Metal parts of electrical equipment associated with the pool water circulating system, including pump motors and metal parts of equipment associated with pool covers, including electric motors, shall be bonded. Metal parts of listed equipment incorporating an approved system of double insulation and providing a means for grounding internal nonaccessible, non-current-carrying metal parts shall not be bonded. Where a double-insulated water pump motor is installed under the provisions of this rule, a solid eight (8) AWG copper conductor that is of sufficient length to make a bonding connection to a replacement motor shall be extended from the bonding grid to an accessible point in the motor vicinity. Where there is no connection between the swimming pool bonding grid and the equipment grounding system for the premises, this bonding conductor shall be connected to the equipment grounding conductor of the motor circuit. (4-2-08)~~

~~(5) **Metal Wiring Methods and Equipment.** Metal sheathed cables and raceways, metal piping, and all fixed metal parts except those separated from the pool by a permanent barrier shall be bonded that are within the following distances of the pool: (4-2-08)~~

~~(a) Within one and five tenths (1.5) meters (five (5) feet) horizontally of the inside walls of the pool. (4-2-08)~~

~~(b) Within three and seven tenths (3.7) meters (twelve (12) feet) measured vertically above the maximum water level of the pool, or any observation stands, towers, or platforms, or any diving structures. (4-2-08)~~

~~iii. **Common Bonding Grid.** The parts specified in 680.26B shall be connected to a common bonding grid with a solid copper conductor, insulated, covered, or bare, not smaller than eight (8) AWG. Connection shall be made by exothermic welding or by pressure connectors or clamps that are labeled as being suitable for the purpose and are of stainless steel, brass, copper, or copper alloy. The common bonding grid shall be permitted to be any of the following: (4-2-08)~~

~~(1) The structural reinforcing steel of a concrete pool where the reinforcing rods are bonded together by the usual steel tie wires or the equivalent. (4-2-08)~~

~~(2) The wall of a bolted or welded metal pool. (4-2-08)~~

~~(3) A solid copper conductor, insulated, covered, or bare, not smaller than eight (8) AWG. (4-2-08)~~

~~(4) Rigid metal conduit or intermediate metal conduit of brass or other identified corrosion-resistant metal conduit. (4-2-08)~~

~~iv. **Connections.** Where structural reinforcing steel or the walls of bolted or welded metal pool structures are used as a common bonding grid for nonelectrical parts, the connections shall be made in accordance with 250.8. (4-2-08)~~

~~v. **Pool Water Heaters.** For pool water heaters rated at more than fifty (50) amperes that have specific instructions regarding bonding and grounding, only those parts designated to be bonded shall be bonded, and only those parts designated to be grounded shall be grounded. (4-2-08)~~

02. Availability. ~~This document~~ [A copy of the National Electrical Code](#) is available at the offices of the Division of Building Safety at 1090 E. Watertower Street, Suite 150, Meridian, Idaho 83642, [1250 Ironwood Drive, Suite 220, Coeur d'Alene, Idaho 83814](#), and [2055 Garrett Way, Suite 7, Pocatello, Idaho 83201](#). ~~(4-2-08)~~(____)

IDAPA 07 - DIVISION OF BUILDING SAFETY

07.01.10 - RULES GOVERNING CERTIFICATION AND APPROVAL OF ELECTRICAL PRODUCTS AND MATERIALS

DOCKET NO. 07-0110-1301

NOTICE OF RULEMAKING - PROPOSED RULE

AUTHORITY: In compliance with Section 67-5221(1), Idaho Code, notice is hereby given that this agency has initiated proposed rulemaking procedures. The action is authorized pursuant to Sections 54-1001 and 54-1006(5), Idaho Code.

PUBLIC HEARING SCHEDULE: Public hearing(s) concerning this rulemaking will be scheduled if requested in writing by twenty-five (25) persons, a political subdivision, or an agency, not later than October 16, 2013.

The hearing site(s) will be accessible to persons with disabilities. Requests for accommodation must be made not later than five (5) days prior to the hearing, to the agency address below.

DESCRIPTIVE SUMMARY: The following is a nontechnical explanation of the substance and purpose of the proposed rulemaking:

The existing rule uses incorrect terminology to identify an appropriate testing laboratory which certifies and lists products. Additionally, the existing rule does not adequately describe who may perform a field evaluation, nor the standards of what constitutes an adequate field evaluation. Finally, amendment is necessary to provide additional flexibility for the installation of industrial machinery by allowing an evaluation of such by a licensed professional engineer. The proposed rule would provide that approval of all electrical products and materials for installation in Idaho may be achieved either through certification and listing by a nationally recognized testing laboratory, or through a field evaluation process. The rule would require that field evaluations be performed by approved evaluation bodies that meet minimum requirements, and that such evaluations be performed in accordance with recognized practices and procedures. Further, in the case of industrial machinery only, the rule would allow as an alternate method that such evaluation may be performed by a qualified electrical engineer not involved in the design or installation of the equipment.

FEE SUMMARY: The following is a specific description of the fee or charge imposed or increased: None.

FISCAL IMPACT: The following is a specific description, if applicable, of any negative fiscal impact on the state general fund greater than ten thousand dollars (\$10,000) during the fiscal year resulting from this rulemaking:

No impact to the general or dedicated funds. Positive impact through cost savings is expected for those who may install non-listed industrial machinery through the use of a field evaluation process that includes the ability to utilize a professional engineer.

NEGOTIATED RULEMAKING: Pursuant to Section 67-5220(2), Idaho Code, negotiated rulemaking was not conducted. Although formal negotiated rulemaking did not occur prior to the promulgation of this rulemaking, the matter was formally designated as an agenda topic before the Electrical Board at six (6) different board meetings over the course of two years. The Board was satisfied that all stakeholders and interested parties were recognized and had an opportunity to participate in the adoption process. The final proposed rule is the product of the input of multiple stakeholders; although not all favored its adoption.

INCORPORATION BY REFERENCE: Pursuant to Section 67-5229(2)(a), Idaho Code, the following is a brief synopsis of why the materials cited are being incorporated by reference into this rule: N/A

ASSISTANCE ON TECHNICAL QUESTIONS, SUBMISSION OF WRITTEN COMMENTS: For assistance on technical questions concerning the proposed rule, contact Steve Keys, Deputy Administrator - Operations, at (208) 332-8986.

Anyone may submit written comments regarding this proposed rulemaking. All written comments must be directed to the undersigned and must be delivered on or before October 23, 2013.

DATED this 27th day of August, 2013.

Steve Keys
Deputy Administrator - Operations
Division of Building Safety
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Meridian, ID 83642
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Fax: 1-877-810-2840

THE FOLLOWING IS THE PROPOSED TEXT OF DOCKET NO. 07-0110-1301

011. CERTIFICATION AND APPROVAL OF ELECTRICAL PRODUCTS AND MATERIALS.

In the state of Idaho, all materials, devices, fittings, equipment, apparatus, ~~fixtures~~ luminaires, and appliances installed or to be used in installations that are supplied with electric energy shall be approved as provided in one (1) of the following methods: ~~(2-26-93)~~()

01. Testing Laboratory. Be tested, examined, and certified (Listed) by ~~an accredited electrical product~~ Nationally Recognized ~~Testing~~ Laboratory (NRTL). ~~The Division of Building Safety, Electrical Bureau, shall maintain an up-to-date list of products and equipment approved by such testing laboratories as well as an updated list of accredited products which shall be used and installed in accordance with the certification (Listing).~~ ~~(12-17-92)~~()

02. Approval of Electrical Inspector. ~~Be approved by the electrical inspector provided such an assembly, product, or equipment is installed under an electrical permit issued by the Division of Building Safety, Electrical Bureau, and conforms to the National Electrical Code and recognized industry standards. Where in the judgment of the Electrical Bureau a field evaluation is necessary to determine the acceptability of the assembly, product, or equipment to recognized industry standards, this field evaluation shall be completed by an accredited electrical product testing laboratory. The Division of Building Safety, Electrical Bureau, shall maintain a list of accredited electrical testing laboratories approved to complete such field evaluations. Such approval shall not be required for types of products that are regularly certified (Listed) or for certified (Listed) products as determined by the list maintained by the Division of Building Safety, Electrical Bureau. Such approval shall be obtained prior to installation. If approval is denied, the particular reasons for denial shall be stated through issuance of a notice of defects pursuant to Section 54-1004, Idaho Code.~~ Field Evaluation. Non-listed electrical equipment may be approved for use through a field evaluation process performed in accordance with recognized practices and procedures such as those contained in the 2012 edition of NFPA 791 - Recommended Practice and Procedures for Unlabeled Electrical Equipment Evaluation published by the National Fire Protection Association (NFPA). Such evaluations shall be conducted by: ~~(12-17-92)~~()

a. The authority having jurisdiction (AHJ); ()

b. A field evaluation body (FEB) approved by the authority having jurisdiction. The field evaluation body shall meet minimum recognized standards for competency, such as NFPA 790 - Standard for Competency of Third-Party Field Evaluation Bodies, 2012 edition, published by the National Fire Protection Association (NFPA); or ()

c. In the case of industrial machinery only, as defined by NFPA 79 - Electrical Standard for Industrial Machinery, 2012 edition, a field evaluation may be performed by a professional engineer currently licensed to practice electrical engineering by the state of Idaho and who is not involved in the design of the equipment being

evaluated or the facility in which the equipment is to be installed. ()

03. Availability of NFPA Standards. The most recent edition of NFPA 790 - Standard for Competency of Third-Party Field Evaluation Bodies, and NFPA 791 - Recommended Practice and Procedures for Unlabeled Electrical Equipment Evaluation published by the National Fire Protection Association (NFPA) are available at the Division of Building Safety offices located at 1090 E. Watertower Street, Suite 150, Meridian, Idaho 83642, 1250 Ironwood Drive, Suite 220, Coeur d'Alene, Idaho 83814, and 2055 Garrett Way, Building 1, Suite 4, Pocatello, Idaho 83201. ()

IDAPA 07 - DIVISION OF BUILDING SAFETY

07.05.01 - RULES OF THE PUBLIC WORKS CONTRACTORS LICENSE BOARD

DOCKET NO. 07-0501-1301

NOTICE OF RULEMAKING - PROPOSED RULE

AUTHORITY: In compliance with Section 67-5221(1), Idaho Code, notice is hereby given that this agency has initiated proposed rulemaking procedures. The action is authorized pursuant to Sections 54-1907 and 54-1910, Idaho Code.

PUBLIC HEARING SCHEDULE: Public hearing(s) concerning this rulemaking will be scheduled if requested in writing by twenty-five (25) persons, a political subdivision, or an agency, not later than October 16, 2013.

The hearing site(s) will be accessible to persons with disabilities. Requests for accommodation must be made not later than five (5) days prior to the hearing, to the agency address below.

DESCRIPTIVE SUMMARY: The following is a nontechnical explanation of the substance and purpose of the proposed rulemaking:

Current rule requires that an applicant for licensure as a public works contractor submit a written application accompanied by a notarization. This rulemaking will provide flexibility to the administrator to accept applications submitted via electronic means other than facsimile. In accordance with the statutory requirement applicants will still be required to submit a sworn statement or attestation as to the truthfulness and accuracy of the information provided in the application. It also clarifies that an extension of time in which to renew a license shall be granted only until such time as the application is acted upon by the administrator. The rulemaking would clarify that acceptable formats for communications with the Division and applications for public works contractor licensure include electronic submissions by an applicant. It also provides that an extension of time in which to renew a license shall authorize operation as a licensed contractor only until such time as the administrator completes action on the renewal application.

FEE SUMMARY: The following is a specific description of the fee or charge imposed or increased: None.

FISCAL IMPACT: The following is a specific description, if applicable, of any negative fiscal impact on the state general fund greater than ten thousand dollars (\$10,000) during the fiscal year resulting from this rulemaking: None.

NEGOTIATED RULEMAKING: Pursuant to Section 67-5220(2), Idaho Code, negotiated rulemaking was not conducted because this rulemaking is administrative in nature and provides the Division with the ability to accept and process applications for licenses electronically via an on-line method.

INCORPORATION BY REFERENCE: Pursuant to Section 67-5229(2)(a), Idaho Code, the following is a brief synopsis of why the materials cited are being incorporated by reference into this rule: N/A

ASSISTANCE ON TECHNICAL QUESTIONS, SUBMISSION OF WRITTEN COMMENTS: For assistance on technical questions concerning the proposed rule, contact Steve Keys, Deputy Administrator - Operations, at (208) 332-8986.

Anyone may submit written comments regarding this proposed rulemaking. All written comments must be directed to the undersigned and must be delivered on or before October 23, 2013.

DATED this 27th day of August, 2013.

Steve Keys
Deputy Administrator - Operations
Division of Building Safety
1090 E. Watertower St., Ste. 150
Meridian, ID 83642

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THE FOLLOWING IS THE PROPOSED TEXT OF DOCKET NO. 07-0501-1301

100. BOARD OFFICE -- LOCATION, HOURS, MAILING ADDRESS, TELEPHONE NUMBER, FACSIMILE NUMBER.

The address of the Board office, and its mailing address, is 1090 E. Watertower Street, Suite 150, Meridian, Idaho 83642. Office hours are from 8 a.m. until 5 p.m., daily. The office is closed on weekends and holidays. The Board telephone number is (208) 334-4057, and the facsimile number is (208) 855-9666. ~~(3-20-04)~~()

(BREAK IN CONTINUITY OF SECTIONS)

102. COMMUNICATION.

All written communications, forms and documents concerning any matter covered by the Act or these rules shall be addressed to the administrator and not to members of the Board or staff. All communications are deemed officially received only when delivered to the ~~Board~~ office of the administrator. Documents may be submitted ~~by facsimile but not by other~~ in electronic or computerized means format acceptable to the administrator. ~~(3-20-04)~~()

(BREAK IN CONTINUITY OF SECTIONS)

105. LICENSE RENEWAL -- FILING DEADLINES; PETITIONS FOR EXTENSION OF TIME TO FILE; LAPSED LICENSES.

01. Filing Deadline. Applications for renewal of a license shall be filed by the last working day of the month in which the license expires. (3-20-04)

02. Extension of Time. A petition for an extension of time in which to renew shall be filed by the last working day of the month in which the license expires. The petition shall be accompanied by a fee in the amount of the prorated portion of the annual license fee for the class of license applied for, with a minimum fee of at least fifty dollars (\$50). The fee for this service is required in addition to the licensing and renewal fees provided for in Section 201 of these rules and shall be paid to the Division at the time of application for licensure. Petitions not accompanied by the required fees or filed after the license has expired will not be honored. (3-21-12)

i. The petition shall specify the number of days for which the extension is being requested. (3-20-04)

ii. Under no circumstances shall an extension exceed sixty (60) days. Petitions for more than sixty (60) days will not be honored. (3-20-04)

03. Approval of Petition. Approval of a petition for an extension of time shall authorize operation as a contractor until ~~actual issuance of such~~ the administrator completes action on the renewal ~~license for the ensuing licensing period~~ application, provided the application for renewal is filed with the Board within the extended time specified. ~~(3-19-99)~~()

04. Failure to File. If the licensee fails to file a timely application for renewal or petition for extension, the license shall lapse and expire on the last day of the license period. Licenses not renewed in a timely manner shall be considered delinquent for a period of one (1) year from the last day of the license period and may be renewed at any time during that year. Licenses delinquent for more than a period of one (1) year must be reinstated and the applicant for reinstatement must apply as if for a new license. (3-20-04)

05. Expedited Licensure. Upon an applicant's request and payment of a fee of one hundred dollars

(\$100), the Division shall expedite its review and determination of a license application. The fee for this service is required in addition to the licensing and renewal fees provided for in Section 201 of these rules and shall be paid to the Division at the time of application for licensure. (3-21-12)

(BREAK IN CONTINUITY OF SECTIONS)

110. APPLICATION FOR LICENSURE -- DOCUMENTATION; APPRAISALS; REFERENCES; BONDING; AND FINANCIAL STATEMENTS.

01. Application Documentation. To obtain a license, the applicant shall submit to the administrator, on such forms and in a format as the administrator shall prescribe, including electronically, accompanied by the required fee for the class of license applied for, a complete written, ~~notarized~~ application for such license. All of the information submitted by the applicant shall specifically pertain to work that is similar in scope and value to that for which licensure is being requested or which is being requested in a petition to change or add types of construction. The information contained in such application forms shall include: (3-20-04)()

a. A complete statement of the general nature of applicant's contracting business, including a concise description of the applicant's experience and qualifications as a contractor and a list of clients for whom work has been performed; (3-20-04)

b. A description of the value and character of contract work completed and for whom performed during the three (3) year period prior to filing the application; (3-20-04)

c. A general description of applicant's machinery and equipment; and (3-30-07)

d. An annual financial statement, as herein defined, that covers a period of time ending no more than twelve (12) months prior to the date of submission of the application, indicating compliance with such financial requirements as the Board may prescribe by rule. The applicant's financial statement may be supplemented with: (4-4-13)

i. Bonding. As authorized by Section 54-1910(e), Idaho Code, a letter from applicant's bonding company, not an insurance agent, stating the amount of the applicant's bonding capability per project and in the aggregate, including supporting documentation; (3-30-07)

ii. Guaranty. Documentation, satisfactory to the administrator, of the existence of a written guaranty agreement between the applicant and a third-party in which the third-party guarantor agrees to assume financial responsibility for payment of any obligations of the applicant for any particular project as may be determined by a court of competent jurisdiction. The guaranty agreement, along with financial statements meeting the requirements of Paragraph 110.01.e. of this rule, shall be submitted with the license application. (3-30-07)

e. For Class A, AA, AAA, and Unlimited license applications, financial statements shall be accompanied by an independent auditor's report or be reviewed. For Class B and CC license applications, financial statements must be accompanied by an independent audit report or be reviewed or compiled by a certified public accountant. For Class C and Class D license applications, financial statements must be accompanied by an independent audit report or be reviewed, compiled, or on the form provided by the administrator, and include such additional information as may be required by the administrator to determine the applicant's fitness for a license. (3-27-13)

f. The name, social security number, and business address of an individual applicant or, if the applicant is a partnership, its tax identification number, business address, and the names and addresses of all general partners; and if the applicant is a corporation, association, limited liability company, limited liability partnership, or other organization, its tax identification number, business address, and the names and addresses of the president, vice president, secretary, treasurer, and chief construction managing officers, or responsible managing employee. (3-20-04)

g. Applicants requesting a licensing class higher than that for which the applicant is currently licensed shall provide documentation, satisfactory to the administrator, of having performed projects, similar in scope and character to those for which license is requested. The monetary value of those jobs must fall within a range not less than ~~th~~ thirty percent (30%) below that for which the applicant is currently licensed. ~~(4-11-06)~~()

02. Application for Change in Licensing Class. Requests for a licensing class higher than that for which the applicant is currently licensed shall be accompanied by the information in Subsection 110.01 of these rules, and the applicable fee. Licenses granted under Subsection 110.02 of these rules shall be valid for a period of twelve (12) months from the date of issuance. (4-11-06)

03. Extension of Time to File Financial Statement. The administrator may grant an extension of time to file the annual financial statement if the licensee provides an interim compiled balance sheet and income statement for the applicant's fiscal year-to-date, duly certified as true by the applicant, and if a partnership, limited liability company, or limited liability partnership by a member thereof, and if a corporation, by its executive or financial officer. Such renewal application shall be filed prior to the first day of such renewal licensing period. In the event an extension is granted, the renewal license shall be valid for a period of twelve (12) months from the date of the issuance of the renewal license. (3-20-04)

04. Appraisals. The administrator may require submission of an independent appraisal of any real or chattel property reported by an applicant or licensee. Such appraisals shall be conducted by a disinterested person or firm established and qualified to perform such services. (3-20-04)

05. References. The administrator may require an applicant for an original or renewal license to furnish such personal, business, character, financial, or other written references as deemed necessary and advisable in determining the applicant's qualifications. (3-20-04)

IDAPA 07 - DIVISION OF BUILDING SAFETY

07.07.01 - RULES GOVERNING INSTALLATION OF HEATING, VENTILATION, AND AIR CONDITIONING SYSTEMS

DOCKET NO. 07-0701-1301

NOTICE OF RULEMAKING - PROPOSED RULE

AUTHORITY: In compliance with Section 67-5221(1), Idaho Code, notice is hereby given that this agency has initiated proposed rulemaking procedures. The action is authorized pursuant to Sections 54-5001, 54-5004(1) and 54-5005(2), Idaho Code.

PUBLIC HEARING SCHEDULE: Public hearing(s) concerning this rulemaking will be scheduled if requested in writing by twenty-five (25) persons, a political subdivision, or an agency, not later than October 16, 2013.

The hearing site(s) will be accessible to persons with disabilities. Requests for accommodation must be made not later than five (5) days prior to the hearing, to the agency address below.

DESCRIPTIVE SUMMARY: The following is a nontechnical explanation of the substance and purpose of the proposed rulemaking:

The HVAC codes published by the International Code Council are adopted by the state of Idaho pursuant to Idaho Code and they represent the standards by which all HVAC installations are made throughout the state. Currently, the 2009 editions of the codes are used as the standard; however, newer versions have been published in the form of the 2012 editions and would be adopted with this rulemaking. Adoption and amendment of the 2012 editions of the HVAC codes was the result of negotiated rulemaking and the deliberations of a collaborative group consisting of members of the HVAC and building industry, local building officials, code development officials, board members, and other interested stakeholders. This rulemaking adopts the 2012 editions of the International Mechanical Code, the International Fuel Gas Code, and Parts V and VI of the International Residential Code related to HVAC installations. Amendments to the International Mechanical Code and International Residential Code reflect changes agreed to in the course of developing a consensus among stakeholders. Amendments include an exception relating to the gauge of sheet metal in certain circumstances and related amendments for the support of such exhaust ducts. Additionally, amendments are made providing alternative prescriptive methods addressing the methodology for satisfying make-up air ventilation requirements. Finally, existing amendments providing alternatives to equipment sizing requirements are also eliminated.

FEE SUMMARY: The following is a specific description of the fee or charge imposed or increased: None.

FISCAL IMPACT: The following is a specific description, if applicable, of any negative fiscal impact on the state general fund greater than ten thousand dollars (\$10,000) during the fiscal year resulting from this rulemaking:

No impact to the general fund; some increased short-term costs to the Division and jurisdictions enforcing the codes for obtaining new code materials and training of inspectors. No significant additional costs to the industry of conformance with the new editions of the codes were brought forward in discussions before the Board.

NEGOTIATED RULEMAKING: Pursuant to Section 67-5220(1), Idaho Code, negotiated rulemaking was conducted. The Notice of Intent to Promulgate Rules - Negotiated Rulemaking was published in the May 1, 2013 Idaho Administrative Bulletin, [Vol. 13-5, pages 62 and 63](#).

INCORPORATION BY REFERENCE: Pursuant to Section 67-5229(2)(a), Idaho Code, the following is a brief synopsis of why the materials cited are being incorporated by reference into this rule:

The HVAC codes published by the International Code Council are adopted by the State of Idaho pursuant to Idaho Code, and they represent the standards by which all HVAC installations are made throughout the state. Currently, the 2009 editions of the codes are used as the standard; however, newer versions have been published in the form of the 2012 editions. This rulemaking adopts the 2012 editions of the International Mechanical Code, the International Fuel Gas Code, and Parts V and VI of the International Residential Code related to HVAC installations, with amendments. Section 54-5001, Idaho Code, requires the adoption of the above-referenced codes for the state of Idaho, and allows the Board to adopt subsequent editions and amendments thereto as it determines necessary.

ASSISTANCE ON TECHNICAL QUESTIONS, SUBMISSION OF WRITTEN COMMENTS: For assistance on technical questions concerning the proposed rule, contact Steve Keys, Deputy Administrator - Operations, at (208) 332-8986.

Anyone may submit written comments regarding this proposed rulemaking. All written comments must be directed to the undersigned and must be delivered on or before October 23, 2013.

DATED this 23rd day of August, 2013.

Steve Keys
Deputy Administrator - Operations
Division of Building Safety
1090 E. Watertower St., Ste. 150
Meridian, ID 83642
PO Box 83720, Boise, ID 83720-0048
Phone: (208) 332-8986
Fax: 1-877-810-2840

THE FOLLOWING IS THE PROPOSED TEXT OF DOCKET NO. 07-0701-1301

004. ADOPTION AND INCORPORATION BY REFERENCE OF THE INTERNATIONAL MECHANICAL CODE, 2009~~12~~ EDITION.

01. International Mechanical Code. The 2009~~12~~ Edition, including appendix "A," (herein IMC) is adopted and incorporated by reference with the following amendments: (4-7-11)()

a. Where differences occur between the IMC and Title 54, Chapter 50, Idaho Code and IDAPA 07, Title 07, the provisions in Idaho Code and IDAPA rules shall apply. (4-11-06)

b. All references to the International Plumbing Code (IPC) shall be construed as referring to the ~~Uniform~~ Idaho State Plumbing Code (~~U~~ISPC) as adopted and amended by the Idaho State Plumbing Board. (4-11-06)()

c. All references to the International Code Council Electrical Code (ICC EC) shall be construed as referring to the National Electrical Code (NEC) as adopted and amended by the Idaho State Electrical Board. (4-11-06)

d. Section 109. Delete. (7-1-10)

~~**e.** Section 312. Sizing requirements shall be as established by the authority having jurisdiction.~~ (4-11-06)

f. Section 401.1 Scope. Add the following: Exception: The principles specified in ASHREA 62-2010 may be used as an alternative to this chapter to demonstrate compliance with required ventilation air for occupants. (4-7-11)

f. Section 504.6.1 Material and size. Add the following exception: Dryer duct may be constructed of 0.013 (30 gage) or equivalent if prefabricated 0.016 (28 gage) ducts and fittings are not available. ()

g. Table 603.4 Duct Construction Minimum Sheet Metal Thickness for Single Dwelling Units. Add the following exception to the Table: Round duct, enclosed rectangular ducts and fittings less than fourteen (14) inches may be constructed of 0.013 (30 gage) or equivalent if prefabricated 0.016 (28 gage) ducts and fittings are not available. ()

02. Availability of the International Mechanical Code. The 2009~~12~~ Edition is available at the Division of Building Safety offices located at 1090 E. Watertower St., Suite 150, Meridian, Idaho 83642, 1250 Ironwood Dr., Ste. 220, Coeur d'Alene, Idaho 83814, and 2055 Garrett Way, Building 1, Suite 4, Pocatello, Idaho 83201. (~~4-7-11~~)()

005. ADOPTION AND INCORPORATION BY REFERENCE OF THE INTERNATIONAL FUEL GAS CODE, 2009~~12~~ EDITION.

01. International Fuel Gas Code. The 2009~~12~~ Edition, including appendixes "A, B, C, and D," (herein IFGC) is adopted and incorporated by reference with the following amendments: (~~4-7-11~~)()

a. Where differences occur between the IFGC and Title 54, Chapter 50, Idaho Code and IDAPA 07, Title 07, the provisions in Idaho Code and IDAPA rules shall apply. (4-11-06)

b. All references to the International Plumbing Code (IPC) shall be construed as referring to the ~~Uniform~~ Idaho State Plumbing Code (~~ISPC~~) as adopted and amended by the Idaho State Plumbing Board. (~~4-11-06~~)()

c. All references to the International Code Council Electrical Code (ICC EC) shall be construed as referring to the National Electrical Code (NEC) as adopted and amended by the Idaho State Electrical Board. (4-11-06)

d. Section 109. Delete. (7-1-10)

e. Section 406.4. Change the last sentence to: Mechanical gauges used to measure test pressure shall have a range such that the highest end of the scale is not greater than two (2) times the test pressure nor lower than one and one-half (1.5) times the test pressure. (4-11-06)

f. Section 406.4.1. Test Pressure. Not less than twenty (20) psig (140kPa gauge) test pressure shall be required for systems with a maximum working pressure up to ten (10) inches water column. For systems with a maximum working pressure between ten (10) inches water column and ten (10) psig (70kPa gauge); not less than sixty (60) psig (420kPa gauge) test pressure shall be required. For systems over ten (10) psig (70kPa gauge) working pressure, minimum test pressure shall be no less than six (6) times working pressure. (4-11-06)

g. Section 406.4.2. The test duration shall not be less than twenty (20) minutes. (4-11-06)

h. Section 408.4. Sediment Trap. Delete the last sentence and replace it with the following: Illuminating appliances, ranges, clothes dryers, outdoor grills, decorative vented appliances for installation in vented fireplaces, and gas fireplaces need not be so equipped. (4-7-11)

i. Add a new section 503.4.1.2 as follows: Testing. All plastic pipe within a dwelling used for venting flue gases shall be tested at five (5) psi for fifteen (15) minutes. (4-4-13)

j. Section 505.1.1. Addition. An interlock between the cooking appliance and the exhaust hood system shall not be required for appliances that are of the manually operated type and are factory equipped with standing pilot burner ignition systems. (4-11-06)

02. Availability of the International Fuel Gas Code. The 2009~~12~~ Edition is available at the Division of Building Safety offices located at 1090 E. Watertower St., Suite 150 Meridian, Idaho 83642, 1250 Ironwood Dr., Ste. 220, Coeur d'Alene, Idaho 83814, and 2055 Garrett Way, Building 1, Suite 4, Pocatello, Idaho 83201. (~~4-7-11~~)()

006. ADOPTION AND INCORPORATION BY REFERENCE OF PART V (MECHANICAL) AND PART VI (FUEL GAS) OF THE INTERNATIONAL RESIDENTIAL CODE FOR ONE (1)- AND TWO (2)- FAMILY DWELLINGS, 2009~~12~~ EDITION.

01. Part V (Mechanical) and Part VI (Fuel Gas) of the International Residential Code for One (1)- and Two (2)-Family Dwellings. The 2009~~12~~ Edition, including appendixes “A, B, C, and D,” (herein IRC) is adopted and incorporated by reference with the following amendments: (4-7-11)()

a. Where differences occur between the IRC and Title 54, Chapter 50, Idaho Code, and IDAPA 07, Title 07, Chapter 01, the provisions in Idaho Code and IDAPA rules shall apply. (4-7-11)

b. All references to the International Plumbing Code (IPC) shall be construed as referring to the Uniform Idaho State Plumbing Code (~~USPC~~) as adopted and amended by the Idaho State Plumbing Board. (4-7-11)()

c. All references to the International Code Council Electrical Code (ICC EC) shall be construed as referring to the National Electrical Code (NEC) as adopted and amended by the Idaho State Electrical Board. (4-7-11)

d. Add the following as section M1201.3 and section G2402.4 (201.4): Alternative materials, design and methods of construction equipment. The provisions of this part of the code are not intended to prevent the installation of any material or to prohibit any design or method of construction not specifically prescribed by this code, provided that any such alternative has been approved. An alternative material, design or method of construction shall be approved where the authority having jurisdiction finds that the proposed design is satisfactory and complies with the intent of the provisions of this code, and that the material, method or work offered is, for the purpose intended, at least the equivalent of that prescribed in this code. Compliance with the specific performance-based provisions of this part of the code in lieu of specific requirements of this code shall also be permitted as an alternate. (4-4-13)

e. Add the following as section M1201.3.1 and section G2402.4.1 (201.4.1): Tests. Whenever there is insufficient evidence of compliance with the provisions of this part of the code, or evidence that a material or method does not conform to the requirements of this part of the code, or in order to substantiate claims for alternative materials or methods, the authority having jurisdiction shall have the authority to require tests as evidence of compliance to be made at no expense to the jurisdiction. Test methods shall be as specified in this code or by other recognized test standards. In the absence of recognized and accepted test methods, the authority having jurisdiction shall approve the testing procedures. Tests shall be performed by an approved agency. Reports of such tests shall be retained by the authority having jurisdiction for the period required for retention of public records. (4-4-13)

f. Add the following as section M1203.1: Carbon monoxide alarms. For new construction, an approved carbon monoxide alarm shall be installed outside of each separate sleeping area in the immediate vicinity of the bedrooms in dwelling units within which fuel-fired appliances are installed and in dwelling units that have attached garages. (4-4-13)

g. Add the following as section M1203.2: Where required in existing dwellings. Where work requiring a permit occurs in existing dwellings that have attached garages or in existing dwellings within which fuel-fired appliances exist, carbon monoxide alarms shall be provided in accordance with Subsection 006.01.f. of these rules. (4-4-13)

h. Add the following as section M1203.3: Alarm requirements. Single station carbon monoxide alarms shall be listed as complying with UL 2034 and shall be installed in accordance with this code and the manufacturer’s installation instructions. (4-4-13)

i. Section ~~M1401.3. Sizing requirements shall be as established by the authority having jurisdiction~~ M1502.4.1 Material and size. Add the following exception: Dryer duct may be constructed of 0.013 (30 gage) or equivalent if prefabricated 0.016 (28 gage) ducts and fittings are not available. (4-7-11)()

j. Delete Section M1502.4.2 Duct Installation and replace with the following: Exhaust ducts shall be

supported at four (4) foot (1,219 mm) intervals and secured in place. The insert end of the duct shall extend into the adjoining duct or fitting in the direction of airflow. Ducts shall not be joined with screws or similar fasteners that protrude into the inside of the duct. ()

k. Section M1507.3.1 System Design. Add the following to the end of the section: Outdoor air shall be ducted predominantly horizontal to avoid chimney effect. Outdoor air ducts will contain an accessible back draft damper and be designed to have an open cross section of twenty (20) square inches per one thousand (1,000) square feet of conditioned space. ()

l. Table M1601.1.1 (2) Gages of Metal Ducts and Plenums Used for Heating or Cooling. Add the following exception: Round duct, enclosed rectangular ducts and fittings less than fourteen (14) inches may be constructed of 0.013 (30 gage) or equivalent if prefabricated 0.016 (28 gage) ducts and fittings are not available. ()

m. Section G2417.4 (406.4). Change the last sentence to: Mechanical gauges used to measure test pressure shall have a range such that the highest end of the scale is not greater than two (2) times the test pressure nor lower than one and one-half (1.5) times the test pressure. (4-7-11)

n. Section G2417.4.1 (406.4.1). Test Pressure. Not less than twenty (20) psig (one hundred forty (140) kPa gauge) test pressure shall be required for systems with a maximum working pressure up to ten (10) inches water column. For systems with a maximum working pressure between ten (10) inches water column and ten (10) psig (seventy (70) kPa gauge), not less than sixty (60) psig (four hundred twenty (420) kPa gauge) test pressure shall be required. For systems over ten (10) psig (seventy (70) kPa gauge) working pressure, minimum test pressure shall be no less than six (6) times working pressure. (4-7-11)

o. Section G2417.4.2 (406.4.2). The test duration shall not be less than twenty (20) minutes. (4-7-11)

p. Add a new section G2427.4.1.2 as follows: Testing. All plastic pipe within a dwelling used for venting flue gases shall be tested at five (5) psi for fifteen (15) minutes. (4-4-13)

02. Availability of the International Residential Code for One (1)- and Two (2)-Family Dwellings.
The 2009~~12~~ Edition is available at the Division of Building Safety offices located at 1090 E. Watertower St., Suite 150 Meridian, Idaho 83642, 1250 Ironwood Dr., Ste. 220, Coeur d'Alene, Idaho 83814, and 2055 Garrett Way, Building 1, Suite 4, Pocatello, Idaho 83201. (4-7-11)()