

DIVISION OF BUILDING SAFETY

IDAHO HEATING, VENTILATION AND
AIR CONDITIONING BOARD
VIDEOCONFERENCE MEETING

JULY 9, 2014



IDAHO HEATING, VENTILATION AND AIR CONDITIONING BOARD

Agenda Item No. 01

Agenda

PRESENTER: Dan Brizee, Chairman

OBJECTIVE: Approve agenda for the July 9, 2014 Idaho HVAC Board meeting.

ACTION: Consent

BACKGROUND:

**PROCEDURAL
HISTORY:**

ATTACHMENTS: Tentative agenda



TENTATIVE AGENDA

NOTICE OF PUBLIC MEETING

IDAHO HEATING, VENTILATION AND AIR CONDITIONING BOARD VIDEOCONFERENCE MEETING

**Division of Building Safety
1090 East Watertower Street, Suite 150, Meridian, Idaho
1250 Ironwood Drive, Suite 220, Coeur d'Alene, Idaho
2055 Garrett Way, Building 1, Suite 4, Pocatello, Idaho
dbs.idaho.gov – (208) 332-7137**

***Wednesday, July 9, 2014
9:30 a.m. – 3:30 p.m. (MT)***

(Note: North Idaho - Meeting Commences @ 8:30 a.m. PT)

9:30 a.m. CALL TO ORDER – Dan Brizee, Chairman

- Roll Call & Introductions
- Open Forum

CONSENT AGENDA

1. Approval of the July 9, 2014 Agenda
2. Approval of the May 14, 2014 Board Meeting Minutes

INFORMATIONAL AGENDA

3. Proposed Legislation--Title 54 Chapter 50 – Steve Keys
4. Polypropylene Flue Gas Venting System – Jerry Peterson
5. Carbon Monoxide Detectors – Ted Sermon
6. cdpACCESS – Kraig Stevenson, ICC
7. Program Manager Report – Jerry Peterson
8. Operational Report – Steve Keys
9. Administrator Report
 - a. Financial Report – C. Kelly Pearce and Kathleen Watkins
 - b. Administrator – C. Kelly Pearce

3:30 p.m. ADJOURN

All times, other than beginning, are approximate and are scheduled according to Mountain Time (MT), unless otherwise noted. Agenda items may shift depending on Board preference. 06/16/2014

IDAHO HEATING, VENTILATION AND AIR CONDITIONING BOARD

Agenda Item No. 02

Minutes

PRESENTER: Dan Brizee, Chairman

OBJECTIVE: Approve minutes from the May 14, 2014 Idaho HVAC Board meeting.

ACTION: Consent

BACKGROUND:

**PROCEDURAL
HISTORY:**

ATTACHMENTS: Draft minutes



**IDAHO HEATING, VENTILATION AND
AIR CONDITIONING BOARD
VIDEOCONFERENCE MEETING**

Wednesday – May 14, 2014 – 9:30 a.m. (MT)

**Division of Building Safety
1090 East Watertower Street, Suite 150, Meridian, Idaho
1250 Ironwood Drive, Suite 220, Coeur d'Alene, Idaho
2055 Garrett Way, Building 1, Suite 4, Pocatello, Idaho**

***DRAFT MINUTES OF THE MAY 14, 2014 MEETING**

**NOTE: The following report is not a verbatim transcript of the discussions at the meeting,
but is intended to record the significant features of those discussions.**

Vice-Chairman Ted Sermon called the meeting to order at 9:30 a.m. (MT)

Board Members Present:
Ted Sermon, Vice-Chairman
Bruce Graham
Tim LaMott
Bill Carter
Arlyn Tietz
Bill Vandegrift

Board Members Absent:
Dan Brizee, Chairman

DBS Staff Members Present:
C. Kelly Pearce, Administrator
Steve Keys, Deputy Administrator-Operations
Ron Whitney, Deputy Administrator-Administration
Patrick Grace, Deputy Attorney General
Kathleen Watkins, Financial Manager
Jerry Peterson, HVAC Program Manager
Chris Jensen, Regional Manager, Region 3
Terry Blessing, Regional Supervisor, Region 1
Adam Bowcutt, Regional Supervisor, Region 3
Bill Hatch, Public Information Officer
Renee Bryant, Administrative Assistant 2/Board Secretary

In the absence of Chairman Brizee, Vice-Chairman Sermon served as the acting chairman at this meeting.

◆ **Acknowledgement**

Bill Vandegrift, City Official Representative, was welcomed to the Board.

◆ **Open Forum**

No items or concerns were brought forth.

◆ **Approval of the May 14, 2014 Agenda**

The HVAC Program Manager requested informational agenda item 4, *Minimum Ventilation Rates*, be modified to include Robert Peterson, Intermountain Gas, and Jason Blais, city of Boise and Building Code Board Member as speakers.

MOTION: Bill Carter made a motion to approve the agenda with modifications. Bruce Graham seconded. All in favor, motion carried.

◆ **Approval of the February 12, 2014 Board Meeting Minutes**

MOTION: Bill Carter made a motion to approve the minutes as written. Tim LaMott seconded. All in favor, motion carried.

◆ **Administrative Appeals Hearing**

Action Mechanical – NOV HVC1402-0002 – Shane Olson represented Action Mechanical, HVAC Program Manager Jerry Peterson represented DBS, and Deputy Attorney General Patrick Grace was the facilitator. All parties provided testimony and argument on NOV HVC1402-0002, violation of IDAPA 07.07.01.070.02 “Employees”. The Board upheld the \$300 penalty fee and Mr. Olson was advised of his rights.

MOTION: Bill Carter made a motion to uphold the violation and deny the appeal. Bruce Graham seconded. All in favor, motion carried.

ACTION: The Deputy Attorney General will create a Final Order for the Chairman’s signature and provide a signed copy to Shane Olson.

◆ **Minimum Ventilation Rates**

The HVAC Program Manager presented a PowerPoint presentation titled *New Home Depressurization*. The topic addressed residential indoor air quality.

Intermountain Gas Representative Robert Peterson shared via PowerPoint the company’s safety procedures.

DBS created and played two public service announcements on carbon monoxide (CO) detectors and water heater installations.

As part of the negotiated rulemaking process, the Building Code Board will hold the first of two public hearings on May 15, 2014. The hearings allow individuals to bring forth proposed amendments to the currently adopted building and energy codes.

The HVAC Board supports the Building Code Board moving forward with proposed legislation.

The Association of Idaho Cities will host a Building Code Collaborative meeting in Boise on Wednesday, May 28, 2014 at 1:00 p.m.

◆ **HVAC Program Manager Report**

Code Update Classes – The HVAC Program Manager continues to travel around the state; providing code update training primarily to inspectors.

Carbon Monoxide Presentation – A half hour presentation on CO, designed for installers and city officials, will be provided by DBS upon request. A brochure on CO, created by Underwriters Laboratories, is being distributed around the state of Idaho.

License and Enrollment Report 2014 – A report on apprentices and journeymen from the HVAC, Electrical and Plumbing programs was addressed. The report consisted of: 1) Total licenses by license types, 2) HVAC apprentice registration for FY 09-13, 3) Participants by year in approved programs, and 4) Registered versus enrolled for FY 09-13.

Testing – The journeyman test is 120 questions, four hours, and open book. There have been 111 attempts with 87 passing the exam in the last year. Year-to-date, there have been 40 attempts with 17 passing. Fifty percent of applicants are from out-of-state. The average test score is 70 and the most commonly missed questions are related to venting and sizing.

2014 HVAC Inspector Training – The following courses will be provided to DBS HVAC inspectors: 1) Fire smoke radiation damper, 2) Commercial range hoods, 3) Hearth products, and 4) Forced air systems and Manual J.

◆ **Operational Report**

Legislation – The Deputy Administrator of Operations distributed a draft rewrite of the existing statute, Title 54 Chapter 50. The fundamental changes would be: 1) Change verbiage *heating, ventilation and air conditioning* to *mechanical*, 2) Establish a category for mechanical residential journeyman (2 year license), and 3) Board set civil penalties.

DBS offered, and the Board agreed, to place the topic *Proposed Legislation* on the agenda as an informational item for the July 2014 Board meeting

ACTION: The topic *Proposed Legislation* will be addressed at the July 2014 Board meeting as an informational item.

Board Reappointments – The governor's office has changed the procedure for reappointments to a board. Everyone must now reapply electronically for the position they currently hold.

◆ **Administrator Report**

Financial Report – The Idaho HVAC Board fund, FY 2014 financial statement as of March 31, 2014, was reviewed.

Budget – The 2014 Legislature approved the Division's budget with an increase of 1.9% over the previous year.

Accelerate Idaho – Accelerate Idaho is the Governor's new strategic plan to grow the state's economy and expand career opportunities for Idaho citizens.

Magnolia Nitrogen Idaho LLC "Magnida" – Magnida, a Houston-based fertilizer company, plans to build a plant in the American Falls area to convert natural gas into ammonia (liquid) fertilizer. Approximately 800 certified electricians will be hired to build the plant and the creation of 150 to 200 permanent employees once completed. This is a \$2.3 billion project with a target date of 2015.

◆ **Adjournment**

MOTION: Bill Carter made a motion to adjourn the meeting. Bruce Graham seconded. All in favor, motion carried.

The meeting adjourned at 12:22 p.m. (MT).

TED SERMON, ACTING CHAIRMAN
HEATING, VENTILATION AND
AIR CONDITIONING BOARD

C. KELLY PEARCE, ADMINISTRATOR
DIVISION OF BUILDING SAFETY

DATE

DATE

*These DRAFT minutes are subject to possible correction and final approval by the Idaho HVAC Board. 06/03/14rb

DRAFT

IDAHO HEATING, VENTILATION AND AIR CONDITIONING BOARD

Agenda Item No. 03

Proposed Legislation – Title 54 Chapter 50

PRESENTER: Steve Keys, Deputy Administrator-Operations

OBJECTIVE: Revise statute Title 54. *Professional, Vocations, and Businesses - Chapter 50. Installation of Heating, Ventilation, and Air Conditioning Systems*

ACTION: Informational

BACKGROUND: May 2014 – A draft rewrite of the existing statute was distributed. The Board was asked to consider the following additions/changes: 1) Change verbiage from heating, ventilation and air conditioning to mechanical; 2) Establish a category for mechanical residential journeyman; and 3) Board set civil penalties.

PROCEDURAL HISTORY:

ATTACHMENTS: Title 54 Chapter 50



TITLE 54. PROFESSIONS, VOCATIONS, AND BUSINESSES
CHAPTER 50. INSTALLATION OF HEATING, VENTILATION
AND AIR CONDITIONING MECHANICAL SYSTEMS

§54-5001. Declaration of policy

The purpose of this chapter is to ensure that installation of all heating, ventilation and air conditioning mechanical systems in the state of Idaho shall be in accordance with the provisions of the 2012 ~~2003~~ International Mechanical Code, the 2012 ~~2003~~ International Fuel Gas Code, and parts V and VI only of the 2012 ~~2003~~ International Residential Code as published by the International Code Council, applicable to industry and including amendments, revisions, and later editions of these codes as adopted by the Idaho mechanical heating, ventilation and air conditioning board. Nothing in this chapter shall require a local government to adopt or implement a mechanical inspection program unless such local government chooses to do so by an ordinance duly adopted. ~~By January 1, 2005,~~ Local governments that issue mechanical permits and perform mechanical or fuel gas activities shall, by ordinance, adopt and enforce the codes as prescribed by this chapter.

or:

The purpose of this chapter is to ensure that installation of all heating, ventilation and air conditioning mechanical systems in the state of Idaho shall be in accordance with the provisions of the ~~2003 International~~ Idaho Mechanical Code. ~~The 2003 International Fuel Gas Code, and parts V and VI of the 2003 International Residential Code as published by the International Code Council.~~ The Idaho Mechanical Code shall be based upon the provisions of the 2012 edition of the Uniform Mechanical Code as published by the International Association of Plumbing and Mechanical Officials (IAPMO), applicable to industry and including amendments, and revisions and later editions of these codes as adopted by the Idaho mechanical heating, ventilation and air conditioning board...

§54-5002. Exceptions

Certificate of competency requirements of this chapter shall not apply to:

(1) Any person who installs or maintains a mechanical heating, ventilation and air conditioning system in a single or duplex family dwelling, including accessory buildings, quarters and grounds in connection with such dwelling; provided that such person owns or a contract purchaser of the premises; and provided further that such person shall comply with the code, standards and rules applicable to mechanical heating, ventilation and air conditioning installation or repairs as provided in this chapter.

(2) Farm buildings located outside the incorporated limits of any city; ~~and a farm building is hereby defined to be a zoned property and designated and constructed to house farm implements, hay, grain, poultry, livestock, or other horticultural products and includes sheds, barns, corrals or fences. The definition does not include a place for human habitation or a place of regular employment where agricultural products are extracted, processed, treated or packaged; a place used by the public; or conditioned live stock housing.~~

(3) Logging, mining or construction camps when **mechanical** heating, ventilation or air conditioning installations are made to conform to recommendations of the department of health and welfare.

(4) Work on **mechanical** heating, ventilating and air conditioning systems on premises owned or operated by an employer who regularly employs maintenance or construction heating, ventilation and air conditioning journeymen **workers**, provided that alterations, extensions and new construction shall comply with the **code** minimum standards and rules applicable to **mechanical** heating, ventilation and air conditioning **installations** practices in accordance with the provisions of this chapter.

(5) Modular buildings, as defined in section 39-4301, Idaho Code, that are constructed in the state of Idaho for installation on building sites outside the state; provided however, that no modular building shall be installed on a building site in the state of Idaho until it has been approved and bears the insignia of approval of the division as being in compliance with the requirements set forth in section 39-4304, Idaho Code.

§54-5003. Definitions

As used in this chapter:

(1) "Farm building" means a structure designed and constructed to house farm implements, hay, grain, livestock, or other horticultural products. The definition includes sheds, barns, corrals and fences. This definition does not include places of human habitation or places of regular employment where agricultural products are extracted, processed, treated or packaged; places used by the public; or conditioned livestock housing.

(2) "Local government" means any incorporated city or any county in the state.

(3) "Mechanical Heating, ventilation and air conditioning apprentice" means any person who, as his principal occupation, is registered with the division of building safety engaged in learning and assisting in installation, improvement, extension, alteration or repair of mechanical HVAC systems. An apprentice shall perform mechanical HVAC work under the supervision of a mechanical HVAC journeyman or HVAC contractor.

(4) "Mechanical Heating, ventilation and air conditioning contractor" means any person, partnership, company, firm, association or corporation engaged in, conducting, or carrying on the business of installing, fabricating, repairing or servicing mechanical equipment any person who fabricates, installs, maintains, services and repairs warm air heating and water heating systems, heat pumps, complete with warm air appliances including, but not limited to, boilers, pool heaters, space heaters, decorative gas and solid-fuel burning appliances, and gas, propane, electric or oil-fired water heaters; ventilating systems complete with blowers and plenum chambers; air conditioning systems complete with air conditioning unit and the ducts, registers, flues, humidity and thermostatic controls of air, liquid or gas temperatures below fifty (50) degrees Fahrenheit or ten (10) degrees Celsius, and air filters in connection with any of these systems.

(5) "Mechanical Heating, ventilation and air conditioning journeyman" means any person who, as his principal occupation, is engaged in the installation, improvement, extension, alteration or repair of mechanical HVAC systems and who is familiar with the provisions of this chapter and who works in the employ and under the direction of a mechanical contractor.

(6) “Mechanical residential journeyman” means any person engaged in the installation, improvement, extension, alteration or repair of mechanical systems and who is familiar with the provisions of this chapter relative to residential occupancies and who works in the employ and under the direction of a mechanical contractor. This license is applicable to one (1) and two (2) family occupancies only.

(7) “Mechanical Heating, ventilation and air conditioning specialty contractor including specialty limited heating contractor” means any person, partnership, company, firm, association or corporation engaged in, conducting, or carrying on a specific limited aspect of the business of installing, fabricating, repairing or servicing mechanical equipment any person who, as his principal occupation, is engaged in a specific aspect of the heating, ventilation and air conditioning trade that includes, but is not limited to, such aspects as gas piping, gas appliances and installation, or decorative gas-fired appliances.

(8) “Mechanical Heating, ventilation and air conditioning specialty journeyman including specialty limited heating journeyman” means any person who, as his principal occupation, is engaged in a specific aspect of the installation, improvement, extension, alteration or repair of mechanical HVAC systems that includes, but is not limited to, such aspects as gas piping, gas appliances and installation, or decorative gas-fired appliances. A specialty journeyman is familiar with the provisions of this chapter and works in the employ and under the direction of an mechanical HVAC contractor or an mechanical HVAC specialty contractor.

(9) “Mechanical Heating, ventilation and air conditioning specialty trainee apprentice including specialty limited heating trainee apprentice” means any person who, as his principal occupation, is engaged in learning and assisting in a specific aspect of installation, improvement, extension, alteration or repair of mechanical HVAC systems that includes, but is not limited to, such aspects as gas piping, gas appliances and installation, or decorative gas-fired appliances. A specialty trainee shall perform mechanical HVAC work under the supervision of a mechanical HVAC journeyman, or mechanical HVAC specialty journeyman or HVAC contractor or an HVAC specialty contractor.

(10) “Mechanical” HVAC systems include but are not limited to heating, ventilating, cooling and refrigeration systems, incinerators, gas piping, and other miscellaneous heat-producing appliances.

(11) “Specialty limited heating” as it applies to the definitions of “mechanical heating, ventilation and air conditioning specialty apprentice trainee,” “mechanical heating, ventilation and air conditioning specialty contractor” and “mechanical heating, ventilation and air conditioning specialty journeyman” means any person who installs, maintains, services and repairs LP gas-fired appliances, LP fuel gas piping and related exhaust venting. The definition of specialty limited heating shall exclude boilers, hydronic systems, ducted forced air systems, ventilating and air conditioning systems, systems with a BTU input rating over three hundred thousand (300,000), and solid fuel and electric fueled systems. A “specialty limited heating journeyman” is required to meet the experience requirement and either the education or examination requirement set forth in this section to receive a certificate of competency. The education of a “specialty limited heating journeyman” shall include one hundred twenty (120) hours of instruction approved by the board of professional-technical education in LP gas specialty education. The experience requirement of a “specialty limited heating journeyman”

shall be two (2) years of experience working in the trade, in compliance with the requirements of the state in which the applicant received his supervision or as a registered mechanical HVAC apprentice or registered mechanical HVAC specialty trainee apprentice making mechanical HVAC installation on the job under the supervision of a qualified mechanical HVAC journeyman or mechanical HVAC specialty journeyman. The examination required in this section shall be developed by the board of professional technical education division of building safety and approved by the Idaho mechanical HVAC board.

§54-5004. Idaho mechanical heating, ventilation and air conditioning board

(1) The Idaho mechanical heating, ventilation and air conditioning board, referred to as the board, is hereby created and made part of the division of building safety. It shall be the responsibility and duty of the administrator of the division of building safety to administer and enforce the provisions of this chapter, and the board shall make, promulgate and publish such rules as may be necessary to carry out the provisions of this chapter. Except as may be limited or prohibited by law, such rules so made and promulgated shall have the force of statute.

(2) The board shall consist of seven (7) members appointed by the governor, with power of removal for cause. ~~Members appointed to fill positions that expire in 2011 and members appointed to fill the two (2) HVAC contractor positions that expire in 2012 shall be appointed for a term of two (2) years. All other board members appointed to fill positions that expire in 2012 shall be appointed for a term of three (3) years. Thereafter, a~~All board members shall be appointed for a term of three (3) years. Whenever a vacancy occurs, the governor shall forthwith appoint a qualified person to fill the vacancy for the unexpired portion of the term. All members of the board shall be United States citizens, residents of the state of Idaho for not less than two (2) years, and qualified by knowledge, integrity and experience to properly perform the functions of the board. All members of the board shall take, subscribe and file with the secretary of state an oath of office in the form, manner and time as prescribed by chapter 4, title 59, Idaho Code.

(3) Of the seven (7) board members, ~~three (3)~~ **two (2)** members shall be employees representing active HVAC mechanical contractors; ~~each of these representatives with~~ **will have** not less than five (5) years' experience in the HVAC mechanical contracting business; **one (1) member shall be an employee representing an active mechanical contractor engaged in the refrigeration business. The member shall have not less than five (5) years' experience in the refrigeration contracting business;** one (1) member shall be a city official; one (1) member shall be a county official; one member shall be a private sector mechanical engineer with experience in mechanical system design; and one (1) member shall be **an employee representing a mechanical** HVAC specialty contractor.

(4) The board shall meet within thirty (30) days after the appointment of all its members and thereafter at such times as may be expedient and necessary for the proper performance of its duties. At the board's first meeting and every two (2) years thereafter, the members shall elect one (1) of their number to be chairman and one (1) of their number to serve as vice-chairman. A majority of the board shall constitute a quorum for the transaction of business and not less than two (2) quorum meetings shall be held each year. The board may delegate to any member, or its chairman or other employees **of the division of building safety,** the power to make investigations and hold hearings at any place it may deem proper, and to

report findings to it; and may delegate to its chairman and employees of the division of building safety the performance of ministerial functions.

(5) Each member of the board shall be compensated as provided in section 59-509(n), Idaho Code.

§54-5005. Powers and duties of the board – Limitation

The board shall have the general administration and supervision of the design, construction, installation improvement, extension and alteration of mechanical heating, ventilation and air conditioning systems, except that which has been heretofore and hereinafter exempted from the jurisdiction of this board, in connection with all buildings, residences and structures in this state including buildings, residences and structures owned by the state or any political subdivision thereof. The division of building safety shall enforce the minimum standards and requirements as provided by this chapter. The board may exercise such powers and duties as are reasonably necessary to carry out the provisions of this chapter, and it may, among other things:

(1) Establish the fees to be charged for reviewing plans, investigations, permits and inspections of mechanical heating, ventilation and air conditioning systems, under the jurisdiction of the state, and to establish such other fees as it deems necessary.

(2) Hold public meetings and attend or be represented at such meetings, within or without the state, prepare and publish rules pertaining to this chapter, and such other information as may be necessary, and furnish copies thereof to those engaged in the business, trade, practice or mechanical work of heating, ventilation and air conditioning and to the public upon request.

(3) Establish by administrative rule the fines to be paid for citations issued and impose civil penalties as provided in this chapter and rules of this board. The board shall also hear appeals regarding the imposition of civil penalties issued for violations of this chapter and rules of the board. The board is authorized to affirm, reject, decrease or increase the penalty previously imposed by the administrator. However, in no case shall the penalty exceed one thousand dollars (\$1,000) for each offense.

The powers and duties of the board within the jurisdictional boundaries of local governments that have chosen to adopt and enforce mechanical codes shall be limited to those powers and duties needed to enforce the requirements governing a certificate of competency or registration. Each local government that has chosen to adopt and enforce mechanical codes shall establish fees to be charged for permits and inspections within its jurisdiction.

§54-5006. Administrator of the division of building safety

The administrator shall exercise such powers and duties as are reasonably necessary to enforce standards provided in this chapter, and he may, among other things

(1) Serve as secretary to the Idaho mechanical heating, ventilation and air conditioning board.

(2) Appoint state mechanical inspectors who shall be authorized to enter and inspect by and through a properly identified person, at reasonable hours, mechanical heating, ventilation and air conditioning installations systems.

(3) Make **mechanical** HVAC inspections for another state or local jurisdiction upon request by an appropriate building official. Such inspections shall be made in accordance with the applicable codes of the requesting jurisdiction. Fees charged for such inspection services shall **cover the costs of providing the services** ~~be as provided in the rules promulgated by the board.~~

(4) Notwithstanding the exception provided in section 54-5002(5), Idaho Code, the administrator may make inspections of modular buildings constructed in Idaho upon written request from the manufacturer. Such inspections shall be made in accordance with the codes adopted in this chapter. Inspection fees for such inspections shall be as provided in section 39-4303, Idaho Code. The administrator may issue an insignia of approval if the buildings are in compliance with the requirements set forth in chapter 43, title 39, Idaho Code.

(5) Summon witnesses to appear and testify before him on any matter within the provisions of this chapter. No person shall be required to testify outside the county wherein he resides or where his principal place of business is located. Such summons to testify shall be issued and served in like manner as a subpoena to witness issued from the district court, or in other manner consistent with the procedure of the division of building safety. In case any witness shall fail or refuse to appear and testify upon being summoned as herein provided, the clerk of the district court of the county shall, upon demand by said administrator or his designated agent, issue a subpoena reciting the demand therefore and summoning the witness to appear and testify at a time and place fixed. Violation of such subpoena or disobedience thereto shall be deemed and punished as a violation of any other subpoena issued from the district court.

(6) Administer oaths and take affirmations of witnesses appearing before him or a duly appointed hearing officer; and have the power to appoint competent persons to issue subpoenas, administer oaths and take testimony.

~~(7) Impose civil penalties as provided in this chapter and rules of the board.~~

§54-5007. Requirements for certificates of competency

The Idaho **mechanical** ~~heating, ventilating and air conditioning~~ board shall provide standards and procedures and prescribe reasonable rules for examination, qualification and certification of **mechanical** ~~heating, ventilating and air conditioning~~ contractors, journeymen, apprentices, specialty contractors, specialty journeymen and specialty ~~trainees~~ apprentices. **Mechanical** HVAC contractors and specialty contractors shall provide a bond in the amount of two thousand dollars (\$2,000) or evidence of such coverage by a corporate industry group bond acceptable to the board.

or:

Mechanical contractors and specialty contractors shall **maintain general liability insurance in the amount of at least three hundred thousand dollars (\$300,000), and worker's compensation insurance if the worker's compensation coverage is required by applicable statutes and rules.**

§54-5008. Certificate a prerequisite

On and after July 1, 2004, ~~it~~ shall be unlawful for any person, ~~or~~ firm, ~~or~~ partnership, company, association or corporation to engage in the business, trade, practice or work of heating, ventilating and air conditioning, refrigeration or other work covered by this chapter in this state unless such person or ~~responsible person representing such firm, or~~ partnership, company, association or corporation has successfully passed an examination as provided herein ~~and~~ has been issued a state certificate of competency or registration in accord with the provisions of this chapter.

§54-5009. Classification of competency and registration

There shall be four (4) classifications of competency applicable to in mechanical the business, trade, practice or work of heating, ventilation and air conditioning as follows; these competencies; definitions of these competencies are found in section 54-5003:

(1) — An apprentice shall be any person who, as his principal occupation, is engaged in learning and assisting in the installation, improvement, extension and alteration or repair of HVAC systems. An apprentice shall not perform HVAC work except under the supervision of an HVAC journeyman or HVAC contractor. This classification applies to a specialty apprentice as defined in section 54-5003, Idaho Code.

~~(2)~~ A mechanical journeyman shall be any person who, as his principal occupation, is engaged in the installation, improvement, extension and alteration or repair of HVAC systems. ~~And who is familiar with the provisions of this chapter and who works in the employ of an HVAC contractor and who has successfully completed all trade required classes as directed by the board. This classification applies to specialty journeyman as defined in section 54-5003, Idaho Code.~~

(2) A mechanical residential journeyman

(3) A mechanical heating, ventilation and air conditioning contractor shall be any business, trade, partnership, company, firm or association engaged in, but not limited to, the business, trade, practice or work of installing, maintaining or repairing heating, ventilation or air conditioning appliances, or gas-fired equipment that requires special venting or gas supply piping systems or subsystems in the state of Idaho.

(4) A mechanical heating, ventilation and air conditioning specialty contractor shall be any person who, as his principal occupation, is engaged in a specific aspect of the heating, ventilation and air conditioning trade that includes, but is not limited to, such aspects as gas piping, gas appliances and installation, or decorative gas-fired appliances. A certificate of competency issued for the installation of hearth and barbeque products shall include the authority for all low voltage work necessary to complete the installations.

There shall be two (2) classes of registration applicable to mechanical work:

(1) Mechanical apprentice

(2) Mechanical specialty trainee

§54-5010. Examinations – Notification – Application

(1) The Idaho mechanical heating, ventilation and air conditioning board shall establish by rule the requirements as to the education, continuing education and examinations relating to classifications of competency.

(2) Times and places for examinations shall meet minimum requirements as be determined by the board; the division shall schedule the examinations, and all applicants shall be notified thereof.

(3) All applications for examination shall be filed with the ~~board~~ division on a form provided by the ~~board~~ administrator. When any person is designated and authorized to be or act as an agent for the applicant, such authorization shall be in writing, signed by the applicant and the person designated, a certified copy of which shall be filed with the ~~board~~ division. All applications shall expire and be cancelled after a period of one (1) year if the applicant fails to appear for examination within such period.

§54-5011. Certificate of competency

~~On and after July 1, 2004, a~~ **A** certificate of competency in the form of a card shall be issued to an applicant upon successful completion of the examination. The card shall include the holder's name, classification for which the applicant ~~was examined~~ is licensed, the year for which the card is current, the holder's signature, certificate number, and the signature of the administrator of the division of building safety. Certificates of competency may be issued for terms of up to three (3) years at the discretion of the administrator.

§54-5012. Fees for examination, certificates of competency and registration of apprentices

(1) Application for examination.

(a) ~~(a)~~ (a) HVAC Mechanical contractor or specialty contractor \$ ~~50~~35.00

(b) ~~(b)~~ (b) HVAC Mechanical journeyman or specialty journeyman \$ ~~50~~35.00

(2) Certificate of competency, initial issue, valid for one (1) year; ~~or may be issued at the annual rate for up to three (3) years.~~

(a) ~~(a)~~ (a) HVAC Mechanical contractor or specialty contractor \$ ~~125~~75.00

(b) ~~(b)~~ (b) HVAC Mechanical journeyman, residential journeyman, or specialty journeyman \$ ~~75~~50.00

(3) Renewal of certificate of competency, ~~valid for one (1) year; or may be issued for up to three (3) years.~~

(a) ~~(a)~~ (a) HVAC Mechanical contractor or specialty contractor \$ ~~100~~50.00/yr

(b) ~~(b)~~ (b) HVAC Mechanical journeyman, residential journeyman, or specialty journeyman \$ ~~50~~25.00/yr

(4) Each apprentice and specialty trainee ~~apprentice~~ is required to register with the division of building safety and maintain such registration during the entire period in which work experience is accrued. An apprentice registration shall be valid for five (5) years and shall expire on the last day of the month in which it is set to expire unless renewed. A specialty trainee ~~apprentice~~ registration shall be valid for two (2) years and shall expire on the last day of the month in which it is set to expire unless renewed. The registration fee for an apprentice shall be fifty dollars (\$50.00), and the registration fee for a specialty trainee ~~apprentice~~ shall be twenty dollars (\$20.00). The board shall establish requirements for renewal of apprentice and specialty apprentice registrations.

§54-5013. Certificate expiration – Renewal – Reinstatement

(1) Certificates of competency shall expire ~~twelve (12) months from the date of issue, or on the last day of the month of the certification period,~~ unless renewed as provided in this section, or unless sooner revoked or suspended.

(2) Renewal of a certificate may be requested within sixty (60) days prior to the expiration date. Any certificate which has expired may be revived at any time within **two (2) one (1) years** from the first day of the final month of the certification period **of the expiration date**, by payment of a **fifty thirty-five dollars (\$50.00) (\$35.00)** revival fee in addition to the full annual renewal fee **covering the period of time since the expiration date and the balance of allowable time remaining on the certificate of competency**, and if any, **and** all outstanding civil penalties, permits or other fees and penalties.

~~(3)~~ Any person **partnership, company, firm, association or corporation** whose certificate has been revoked may, after the expiration of one (1) year from the date of such revocation, but not before, apply for a new certificate. ~~Successful application shall require~~ **issuance of a new certificate requires** proof of payment of any and all outstanding civil penalties, permits or other fees and penalties. **The applicant must also demonstrate that any outstanding correction notices and notices of violation have been satisfactorily resolved.**

§54-5013A. Revocation or suspension of certificate – Hearings – Taking testimony – Judicial review

The administrator shall have the power to revoke or suspend any certificate if the same was obtained through error or fraud, or if the holder thereof is shown to be grossly incompetent, or has willfully violated any of the rules prescribed by the board, or as prescribed in this chapter; or has, after due notice, failed or refused to correct, within the specified time, any HVAC **mechanical** installation not in compliance with the provisions of this chapter, or has failed to pay within the time provided, civil penalties which have become final by operation of law, provided, before any certificate shall be revoked or suspended, the holder thereof shall have written notice enumerating the charges against him, and shall be given a hearing by said administrator, and have an opportunity to produce testimony in his behalf, at a time and place specified in said notice, which time shall not be less than five (5) days after the service thereof. The proceedings shall be governed by the provisions of chapter 52, title 67, Idaho Code. Any party aggrieved by the action of the administrator shall be entitled to judicial review thereof in accordance with the provisions of chapter 52, title 67, Idaho Code.

§54-5014. Certificate to be displayed and carried on the job

(1) All holders of a valid certificate of competency for the classification of contractor or specialty contractor shall display a sign or card for public view in the holder's place of business.

(2) All journeymen, specialty journeymen, apprentices, and specialty **trainees** ~~apprentices~~ shall have their certificate of competency or ~~annual~~ registration card available at all times while on the job.

§54-5015. Exclusive jurisdiction of the state – Restriction on requirement for additional licenses or fees – Clarification of certification, licensing and permitting requirements.

(1) Only the administrator of the division of building safety of the state of Idaho is authorized and empowered to conduct examinations and to pass upon the qualifications of applicants, and to grant and issue certificates of competency and registration of apprentices **and trainees** as are found to be qualified to engage in the **mechanical** trade, work or practice of heating, ventilation and air conditioning.

(2) No local jurisdiction shall have the authority to require additional certification or registration or to require payment of any fees in order for any **mechanical** HVAC contractor, specialty contractor, journeyman, **residential journeyman**, specialty journeyman, apprentice or specialty **trainee** apprentice to engage in the **mechanical** heating, ventilation and air conditioning trade within the local jurisdiction or to issue certificates to persons certified or registered under the provisions of this chapter.

(3) Nothing in this chapter shall restrict a city or county from imposing stricter public safety rules, notwithstanding any provision of Idaho Code.

(4) A certificate issued pursuant to chapter 26, title 54, Idaho Code, or a license issued pursuant to chapter 10, title 54, Idaho Code, shall be acceptable for all **mechanical** HVAC installation work that falls within the scope of the certificate or license that has been issued. This will allow:

~~(a) Individuals holding a current HVAC or electrical license or a current plumbing certification to install electrical circuitry from the disconnecting means to a water heater and electrical connections to the water heater as long as the disconnect is in sight from the unit and the circuit from the disconnecting means to the water heater is no more than fifty (50) feet long;~~

~~(a)~~ Individuals holding a current **mechanical** HVAC or electrical license to install

- (i) Electrical space heaters with no attached ductwork;
- (ii) Electrical connections to **mechanical** HVAC equipment from the disconnecting means to the unit as long as the disconnect is in sight from the **equipment** unit and the circuit from the disconnecting means to the **mechanical** HVAC equipment is no more than fifty (50) feet long; and
- (iii) Ventilating fans, except ducted range hoods in residences;

~~(b)~~ Individuals holding either an **mechanical** HVAC certification or plumbing certification to install:

- ~~(i) Boilers that are not otherwise subject to inspection by the industrial commission or its authorized agent;~~
- ~~(ii) Fuel piping~~
- ~~(iii) Piping for hydronic systems; and~~
- ~~(iv) Piping for steam and hot water boiler **or chilled water** systems;~~

~~(c)~~ **Mechanical** HVAC licensees to install control wiring of twenty-four (24) volts or less for **mechanical** HVAC equipment **comprising** of five (5) tons or less in capacity.

(5) Notwithstanding any other provision of this section, plumbing certificate holders are not authorized to install control wiring ~~for a~~ **mechanical** HVAC equipment, regardless of voltage.

§54-5016. Permits required – Exception – Local government fees allowed

(1) ~~On and after January 1, 2005, it~~ shall be unlawful for any person, firm, partnership, company, association or corporation to do or cause to be done, whether acting as principal, agent or employee, any construction, installation, improvement, extension or alteration of any mechanical heating, ventilation or air conditioning system, in any building, residence or structure in the state of Idaho, without first obtaining a permit from the authority having jurisdiction, authorizing work to be done, except that no permit shall be required to perform work related to repair or maintenance of an existing mechanical HVAC system.

(2) To the extent that a plumbing or electrical installation permit issued by the Idaho division of building safety includes any part of an mechanical HVAC system installation, or an mechanical HVAC installation permit issued by the division includes any part of a plumbing or electrical installation, the permit issued and inspection performed shall be sufficient to satisfy the permitting and inspection requirement of the other division programs entities.

(3) The plumbing, mechanical HVAC and electrical boards shall promulgate rules adopting fees that allow the division of building safety program entity issuing a permit to charge, in addition to the permit fee it would originally charge, additional permit fees that relate to the mechanical HVAC portion of an installation for which a plumbing or electrical installation permit is being obtained, or the electrical and plumbing portions of an installation for which an mechanical HVAC permit is being obtained.

(4) No provision of this chapter shall preclude local governments from collecting fees for permits and inspections where such work is regulated and enforced by city or county code or ordinance. ~~Municipalities may also require fees for permits and inspections in areas designated by local code or ordinance as areas of city impact.~~

§54-5017. Permits – Applications – Fees

(1) ~~On and after January 1, 2005, a~~ Any person, firm, partnership, company, association or corporation entitled to receive a permit shall make application to the division of building safety board on a form or in a format approved provided by the division board. The application shall require a description of the work proposed to be done, the location, ownership and use of the premises.

(2) ~~Until fees are established by rule of the board, the following fees shall be paid:~~

~~(a) Residential single and duplex family dwelling, a fifty dollar (\$50.00) base permit fee plus an inspection fee of:~~

~~(i) Thirty five dollars (\$35.00) for the first furnace, furnace-air conditioner combination, heat pump, air conditioner, evaporative cooler, unit heater, space heater, decorative gas-fired appliance, incinerator, boiler, pool heater, and similar fixtures or appliances, plus~~

~~(ii) Fifteen dollars (\$15.00) for any additional furnace, furnace-air conditioner combination, heat pump, air conditioner, evaporative cooler, unit heater, space heater, decorative gas-fired appliance, incinerator, boiler, pool heater, and similar fixtures or appliances. Fee includes ducts, vents and flues attached thereto.~~

~~(iii) Fifteen dollars (\$15.00) for the first exhaust or ventilation duct such as dryer vents, range hood vents, cook stove vents, bath fan vents, and similar exhaust and ventilation ducts, plus~~

- ~~(iv) — Five dollars (\$5.00) for any additional exhaust and ventilation ducts.~~
- ~~(v) — Fifteen dollars (\$15.00) for the first fixture or appliance outlet of the fuel gas piping system, plus~~
- ~~(vi) — Five dollars (\$5.00) for any additional outlets of the fuel gas piping system.~~
- ~~(b) Multifamily, commercial, institutional, industrial and all other installations, a fifty dollar (\$50.00) base permit fee for each building, plus an inspection fee based on the selling price of the completed installation including equipment, appliances, piping systems, materials, and labor of:~~
 - ~~(i) — Three percent (3%) of the value of the installation through twenty thousand dollars (\$20,000), plus~~
 - ~~(ii) — Two percent (2%) of the value of the installation in excess of twenty thousand dollars (\$20,000) through one hundred thousand dollars, plus~~
 - ~~(iii) — One percent (1%) of the value of the installation in excess of one hundred thousand dollars (\$100,000) through two hundred thousand dollars (\$200,000), plus~~
 - ~~(iv) — One half percent (1/2%) of the value of the installation in excess of two hundred thousand dollars (\$200,000).~~
- ~~(c) Plan check and technical service, a fifty dollar (\$50.00) minimum fee plus fifty dollars (\$50.00) per hour.~~
- ~~(d) Additional and reinspections, a fifty dollar (\$50.00) minimum fee plus an additional fifty dollars (\$50.00) per hour before approval of the installation if the following services are necessary:~~
 - ~~(i) — Trips to inspect when the permittee had given notice to the inspector that the work was ready for inspection when it was not, or if the permittee has not clearly given the location of the installation either by directions or maps, or if the inspector cannot gain access to make the inspection;~~
 - ~~(ii) — Trips to inspect corrections required by the inspector as the result of the permittee improperly responding to a corrective notice;~~
 - ~~(iii) — Each trip necessary to remove a red tag from the job site;~~
 - ~~(iv) — When corrections have not been made in the prescribed time, unless an extension has been requested and granted.~~

~~(3)(2) Expiration of permits. Each permit issued by the **division of building safety** HVAC bureau or authority having jurisdiction, shall expire by limitation and become null and void if the work authorized by such permit is not commenced within ninety (90) days from the date of issuance of such permit or if the work authorized by such permit is suspended or abandoned at any time after work is commenced for a period of one hundred eighty (180) days. A permit may be renewed for an additional year upon receiving approval from the **division** bureau or authority having jurisdiction, and **payment of** a fifty dollar (\$50.00) renewal fee.~~

~~(4)(3) No permit. Failure to acquire **and** post and send permit and to pay required fees in the prescribed time may result in the assessment of an **investigative** double fee. Any additional offenses within a twelve (12) month period for failure to acquire, post and send permit and to pay required fees in the prescribed time shall result in the assessment of a triple fee.~~

§54-5018. Inspection by agent

A designated, qualified, properly identified agent of the division of building safety or the authority having jurisdiction, as applicable, shall inspect work performed under each permit to ensure compliance with the provisions of this chapter and rules promulgated by the board, and applicable codes and ordinances as adopted.

§54-5019. Approval and certification of inspection

The inspector shall either approve the portion of the work completed at the time of inspection, or shall notify the permit holder of a failure to comply with the provisions of this chapter or rules as promulgated by the board. When final inspection has been made and the work is approved, the inspector shall certify to the permit holder by securely attaching an inspector's tag to the equipment or by another approved method documenting ~~stating~~ completion of the final inspection.

§54-5020. Request for inspection – Fee for reinspection

(1) It shall be the duty of the permit holder to notify the division of building safety at least one (1) business day prior to the desired inspection, Sundays and holidays excluded, that the project is ready for inspection. If a reinspection is required after the final inspection due to a failure to meet requirements of this chapter, a fee not to exceed the actual cost of reinspection may ~~shall~~ be charged.

(2) Local governments that have adopted mechanical codes shall by ordinance establish times within which permit holders shall notify the authority of the desire for an inspection.

§54-5021. Appointment and qualification of inspectors – No financial interest

(1) The administrator of the division of building safety, or the local government having jurisdiction, as the case may be, shall appoint such number of inspectors as are necessary for the effective enforcement of this chapter.

(2) All state mechanical inspectors shall be knowledgeable in mechanical HVAC installations and demonstrate knowledge of this chapter and rules of the administrator and the board. All inspectors, including those working for local government al entities, shall be certified ~~by rule of the HVAC board~~ as commercial or residential mechanical inspectors, depending upon the ~~duties assigned~~ type of work being inspected. The mechanical board shall promulgate rules defining acceptable bodies providing certifications.

(3) No mechanical inspector shall be permitted to be engaged or financially interested in any business, trade, practice or work related to this chapter, or sell any supplies connected to the mechanical HVAC business, nor act as an agent, directly or indirectly, for any person, firm, copartnership, association or corporation so engaged in the mechanical HVAC business. The qualifications and requirements as set forth in this section shall apply to inspectors employed by a municipality.

(4) ~~Each local government mechanical inspector shall be certified as a mechanical inspector.~~

A new mechanical inspector hired by the state or local jurisdiction shall obtain the requisite certification within six (6) months of his date of hire or the date when he assumed his current responsibilities. During this six (6) month initiation period, the inspector may conduct mechanical inspections under the direct supervision of a properly certified mechanical inspector, with the supervising inspector signing off on all inspections.

§54-5022. Violation—Misdemeanor – Penalty

It shall be a misdemeanor for any person, firm, partnership, company, association or corporation by and through a member, representative or agent to:

- (1) Engage in the **mechanical** business, trade, practice or work of HVAC without an **appropriate** certificate of competency or without **an appropriate registration**;
- (2) Perform work without a permit as provided in this chapter;
- (3) Violate any provision of this chapter or the rules made by both the administrator of the division of building safety and the Idaho **mechanical** heating, ventilating and air conditioning board;
- (4) Refuse to perform any duty lawfully enjoined upon him by the administrator within the prescribed time; or
- (5) Fail, neglect or refuse to obey any lawful order given or made by the administrator. Such person, firm, partnership, company, association or corporation shall be subject to the civil penalties established by administrative rule but not to exceed one thousand dollars (\$1,000). Each day of such violation shall constitute a separate offense. A violation shall be considered a second or additional offense only if it occurs within one (1) year of the first violation.

§54-5023. Attorney general – Prosecuting attorneys

It shall be the right and duty of the attorney general or the prosecuting attorneys of the various counties to represent and appear for the people in the state of Idaho and the administrator of the division of building safety in all actions and proceedings involving any question under this chapter or under any order or act of the administrator and perform such other services as required.

§54-5024. Idaho **mechanical heating, ventilation and air conditioning board fund created**

All money received by the board or the division of building safety under the terms and provisions of this chapter, shall be paid into the state treasury as directed by the provisions of section 59-5014, Idaho Code, and shall be placed, by the state treasurer, to the credit of the Idaho **mechanical** heating, ventilation and air conditioning board fund, which fund is hereby created as a dedicated fund. All such moneys hereafter placed in said fund, are hereby set aside and perpetually appropriated to the division of building safety to carry out into effect the provisions of this chapter.

IDAHO HEATING, VENTILATION AND AIR CONDITIONING BOARD

Agenda Item No. 04

Polypropylene Flue Gas Venting System

PRESENTER: Jerry Peterson, HVAC Program Manager

OBJECTIVE: New products have emerged that are superior to PVC and ABS for flue gas venting. The listing and testing requirements that were used to approve the products that are not rated for the five (5) psi test pressure that is currently required in IDAPA rules. We may need to modify the rule.

ACTION: Informational

BACKGROUND: IDAPA rules 07.07.01.005.01(i) and 07.07.01.006.01(m), adopted April 4, 2013, require all plastic used for venting flue gas be tested at five (5) psi for 15 minutes.

Manufacturing representatives may attend the meeting and answer questions.

PROCEDURAL HISTORY:

ATTACHMENTS: Centrotherm Brochure





WHY InnoFlue®?

Polypropylene Vent Systems

Because time *really is* money.

- ULC-S636 listed to Type BH, Class II A, B & C
- A **single, comprehensive product line** replaces both PVC and CPVC for all Category II & IV furnace, water heater and boiler installations
- Side wall direct vent system **installs in as little as 15-30 minutes**
- Flexible option allows for **continuous vertical installations** up to 150'
- Gasketed polypropylene allows for **faster, cleaner, V.O.C.-free installation** with no fit up or primers needed
- Safe performance at sustained flue gas temperatures of **up to 230°F (110°C)**
- Listed at **zero clearance** to combustibles
- Manufacturer-supported and guaranteed with an **unprecedented 10-year warranty**

LABOR SAVINGS

System Type	PVC	InnoFlue®
Material Cost	\$106	\$126
Labor Cost	\$255	\$128
Total Installed	\$361	\$254

* Based on ULC-S636 listed 2" diameter 24 foot long system with 4 elbows. Estimated labor rate of \$85/hr.



2" Chimney Kits

25' - Flex 2" Chimney Kit IFCK0225

- 29** 2" Flex End Pipe
IFEP02
 - 28** 2" Chimney Cover PPs-UV
ISCP02
 - 27** 25' - 2" Flex Vent Length
IFVL02025
 - 25** 2" Spacer x 3
IASP02
 - 30** 2" Single Wall to Flex Coupler
IFSFC02
 - 5** 2" Connector Ring
IANS02
 - 24** 2" Base Support
ISBS0287
- Centrocerin
IACE50

\$435^{77*}

35' - Flex 2" Chimney Kit IFCK0235

- 29** 2" Flex End Pipe
IFEP02
 - 28** 2" Chimney Cover PPs-UV
ISCP02
 - 27** 35' - 2" Flex Vent Length
IFVL02035
 - 25** 2" Spacer x 5
IASP02
 - 30** 2" Single Wall to Flex Coupler
IFSFC02
 - 5** 2" Connector Ring
IANS02
 - 24** 2" Base Support
ISBS0287
- Centrocerin
IACE50

\$514^{50*}

50' - Flex 2" Chimney Kit IFCK0250

- 29** 2" Flex End Pipe
IFEP02
 - 28** 2" Chimney Cover PPs-UV
ISCP02
 - 27** 50' - 2" Flex Vent Length
IFVL02050
 - 25** 2" Spacer x 8
IASP02
 - 30** 2" Single Wall to Flex Coupler
IFSFC02
 - 5** 2" Connector Ring
IANS02
 - 24** 2" Base Support
ISBS0287
- Centrocerin
IACE50

\$602^{62*}

*Innoflue® SW from base support to appliance sold separately.



2" Flex Vent Length
IFVL02



Centrocerin
IACE50



2" Spacer
IASP02



2" Flex End Pipe
IFEP02



2" Single Wall to Flex Coupler
IFSFC02



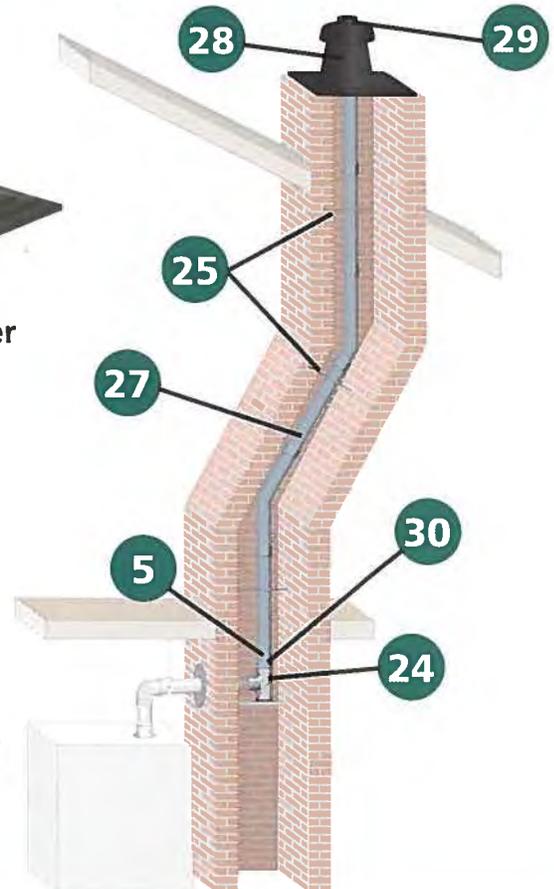
2" Chimney Cover PPs-UV
ISCP02



2" Connector Ring
IANS02



2" Base Support
ISBS0287



3" Chimney Kits

25' - Flex 3" Chimney Kit IFCK0325

- 29** 3" Flex End Pipe
IFEP03
- 28** 3" Chimney Cover PPs-UV
ISCP03
- 27** 25' - 3" Flex Vent Length
IFVL03025
- 25** 3" Spacer x 3
IASP03
- 5** 3" Connector Ring
IANS03
- 24** 3" Base Support
ISBS0387
Centrocerin
IACE50

\$440^{73*}

35' - Flex 3" Chimney Kit IFCK0335

- 29** 3" Flex End Pipe
IFEP03
- 28** 3" Chimney Cover PPs-UV
ISCP03
- 27** 35' - 3" Flex Vent Length
IFVL03035
- 25** 3" Spacer x 5
IASP03
- 5** 3" Connector Ring
IANS03
- 24** 3" Base Support
ISBS0387
Centrocerin
IACE50

\$552^{99*}

50' - Flex 3" Chimney Kit IFCK0350

- 29** 3" Flex End Pipe
IFEP03
- 28** 3" Chimney Cover PPs-UV
ISCP03
- 27** 50' - 3" Flex Vent Length
IFVL03050
- 25** 3" Spacer x 8
IASP03
- 5** 3" Connector Ring
IANS03
- 24** 3" Base Support
ISBS0387
Centrocerin
IACE50

\$649^{35*}

*Innoflue® SW from base support to appliance sold separately.



3" Flex Vent Length
IFVL03



Centrocerin
IACE50



3" Flex End Pipe
IFEP03



3" Connector Ring
IANS03



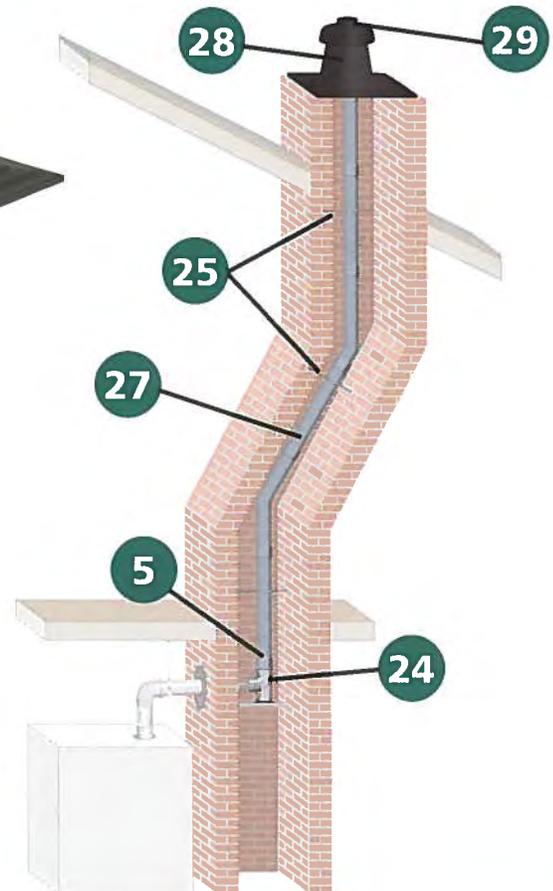
3" Base Support
ISBS0387



3" Chimney Cover PPs-UV
ISCP03



3" Spacer
IASP03



4" Chimney Kits

25' - Flex 4" Chimney Kit IFCK0425

- 29 4" Flex End Pipe
IFEP04
 - 28 4" Chimney Cover PPs-UV
ISCP04
 - 27 25' - 4" Flex Vent Length
IFVL04025
 - 25 4" Spacer x 3
IASP04
 - 5 4" Connector Ring
IANS04
 - 24 4" Base Support
ISBS0487
- Centrocerin
IACE50

\$660^{64*}

35' - Flex 4" Chimney Kit IFCK0435

- 29 4" Flex End Pipe
IFEP04
 - 28 4" Chimney Cover PPs-UV
ISCP04
 - 27 35' - 4" Flex Vent Length
IFVL04035
 - 25 4" Spacer x 5
IASP04
 - 5 4" Connector Ring
IANS04
 - 24 4" Base Support
ISBS0487
- Centrocerin
IACE50

\$788^{96*}

50' - Flex 4" Chimney Kit IFCK0450

- 29 4" Flex End Pipe
IFEP04
 - 28 4" Chimney Cover PPs-UV
ISCP04
 - 27 50' - 4" Flex Vent Length
IFVL04050
 - 25 4" Spacer x 8
IASP04
 - 5 4" Connector Ring
IANS04
 - 24 4" Base Support
ISBS0487
- Centrocerin
IACE50

\$1,149^{12*}

*Innoflue® SW from base support to appliance sold separately.



27
4" Flex Vent Length
IFVL04



Centrocerin
IACE50



29
4" Flex End Pipe
IFEP04



28
4" Chimney Cover PPs-UV
ISCP04



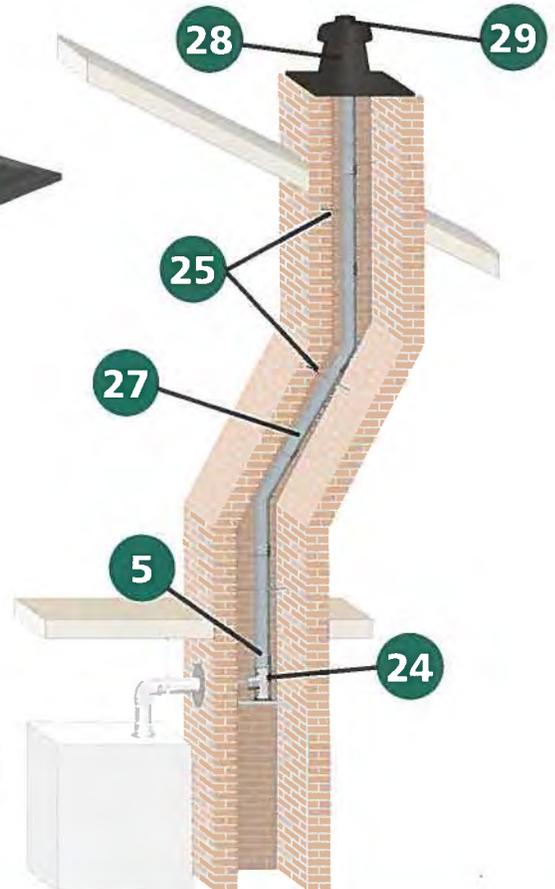
5
4" Connector Ring
IANS04



25
4" Spacer
IASP04



24
4" Base Support
ISBS0487



2" B-Vent Kits

25' - Flex 2" B-Vent Kit

IFBK022504 | IFBK022505 | IFBK022506 | IFBK022507

- 29** 2" Flex End Pipe
IFEP02
 - 36** 2" B-Vent Rain Collar PPs-UV
IABC02
 - 27** 25' - 2" Flex Vent Length
IFVL02025
 - 25** 2" Spacer x 3
IASP02
 - 30** 2" Single Wall to Flex Coupler
IFSFC02
 - 5** 2" Connector Ring
IANS02
 - 24** 2" Base Support
ISBS0287
 - 37** Base Support Bracket
IABVSB
- Centrocerin**
IACE50

35' - Flex 2" B-Vent Kit

IFBK023504 | IFBK023505 | IFBK023506 | IFBK023507

- 29** 2" Flex End Pipe
IFEP02
 - 36** 2" B-Vent Rain Collar PPs-UV
IABC02
 - 27** 35' - 2" Flex Vent Length
IFVL02035
 - 25** 2" Spacer x 5
IASP02
 - 30** 2" Single Wall to Flex Coupler
IFSFC02
 - 5** 2" Connector Ring
IANS02
 - 24** 2" Base Support
ISBS0287
 - 37** Base Support Bracket
IABVSB
- Centrocerin**
IACE50

50' - Flex 2" B-Vent Kit

IFBK025004 | IFBK025005 | IFBK025006 | IFBK025007

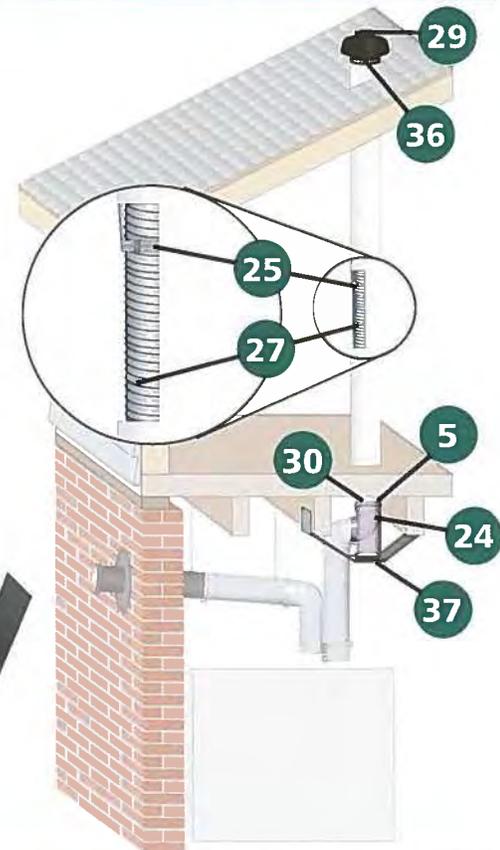
- 29** 2" Flex End Pipe
IFEP02
 - 36** 2" B-Vent Rain Collar PPs-UV
IABC02
 - 27** 50' - 2" Flex Vent Length
IFVL02050
 - 25** 2" Spacer x 8
IASP02
 - 30** 2" Single Wall to Flex Coupler
IFSFC02
 - 5** 2" Connector Ring
IANS02
 - 24** 2" Base Support
ISBS0287
 - 37** Base Support Bracket
IABVSB
- Centrocerin**
IACE50

Vent 5" B-Vent 6" B-Vent 7" B-Vent
\$450* \$455* \$460* \$470*

4" B-Vent 5" B-Vent 6" B-Vent 7" B-Vent
\$540* \$545* \$550* \$555*

4" B-Vent 5" B-Vent 6" B-Vent 7" B-Vent
\$625* \$630* \$635* \$640*

*InnoFlue® SW from base support to appliance sold separately.



3" B-Vent Kits

25' - Flex 3" B-Vent Kit

IFBK032504 | IFBK032505 | IFBK032506 | IFBK032507

- 29** 3" Flex End Pipe
IFEP03
 - 36** 3" B-Vent Rain Collar PPs-UV
IABC03
 - 27** 25' - 3" Flex Vent Length
IFVL03025
 - 25** 3" Spacer x 3
IASP03
 - 5** 3" Connector Ring
IANS03
 - 24** 3" Base Support
ISBS0387
 - 37** Base Support Bracket
IABVSB
- Centrocerin
IACE50

35' - Flex 3" B-Vent Kit

IFBK033504 | IFBK033505 | IFBK033506 | IFBK033507

- 29** 3" Flex End Pipe
IFEP03
 - 36** 3" B-Vent Rain Collar PPs-UV
IABC03
 - 27** 35' - 3" Flex Vent Length
IFVL03035
 - 25** 3" Spacer x 5
IASP03
 - 5** 3" Connector Ring
IANS03
 - 24** 3" Base Support
ISBS0387
 - 37** Base Support Bracket
IABVSB
- Centrocerin
IACE50

50' - Flex 3" B-Vent Kit

IFBK035004 | IFBK035005 | IFBK035006 | IFBK035007

- 29** 3" Flex End Pipe
IFEP03
 - 36** 3" B-Vent Rain Collar PPs-UV
IABC03
 - 27** 50' - 3" Flex Vent Length
IFVL03050
 - 25** 3" Spacer x 8
IASP03
 - 5** 3" Connector Ring
IANS03
 - 24** 3" Base Support
ISBS0387
 - 37** Base Support Bracket
IABVSB
- Centrocerin
IACE50

Vent	5" B-Vent	6" B-Vent	7" B-Vent
\$450*	\$455*	\$460*	\$465*

4" B-Vent	5" B-Vent	6" B-Vent	7" B-Vent
\$570*	\$575*	\$580*	\$585*

4" B-Vent	5" B-Vent	6" B-Vent	7" B-Vent
\$675*	\$680*	\$685*	\$690*

*Innoflue® SW from base support to appliance sold separately.



3" Flex Vent Length
IFVL03



3" Connector Ring
IANS03



3" Spacer
IASP03



3" Flex End Pipe
IFEP03



Centrocerin
IACE50



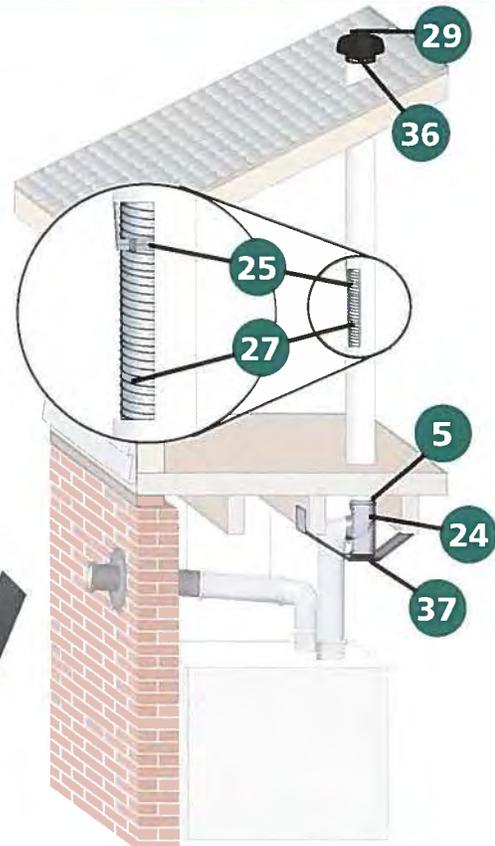
3" B-Vent Rain Collar PPs-UV
IABC03



3" Base Support
ISBS0387



Base Support Bracket
IABVSB



4" B-Vent Kits

25' - Flex 4" B-Vent Kit

IFBK042504 | IFBK042505 | IFBK042506 | IFBK042507

- 29** 4" Flex End Pipe
IFEP04
 - 36** 4" B-Vent Rain Collar PPs-UV
IABC04
 - 27** 25' - 4" Flex Vent Length
IFVL04025
 - 25** 4" Spacer x 3
IASP04
 - 5** 4" Connector Ring
IANS04
 - 24** 4" Base Support
ISBS0487
 - 37** Base Support Bracket
IABVSB
- Centrocerin
IACE50

35' - Flex 4" B-Vent Kit

IFBK043504 | IFBK043505 | IFBK043506 | IFBK043507

- 29** 4" Flex End Pipe
IFEP04
 - 36** 4" B-Vent Rain Collar PPs-UV
IABC04
 - 27** 35' - 4" Flex Vent Length
IFVL04035
 - 25** 4" Spacer x 5
IASP04
 - 5** 4" Connector Ring
IANS04
 - 24** 4" Base Support
ISBS0487
 - 37** Base Support Bracket
IABVSB
- Centrocerin
IACE50

50' - Flex 4" B-Vent Kit

IFBK045004 | IFBK045005 | IFBK045006 | IFBK045007

- 29** 4" Flex End Pipe
IFEP04
 - 36** 4" B-Vent Rain Collar PPs-UV
IABC04
 - 27** 50' - 4" Flex Vent Length
IFVL04050
 - 25** 4" Spacer x 8
IASP04
 - 5** 4" Connector Ring
IANS04
 - 24** 4" Base Support
ISBS0487
 - 37** Base Support Bracket
IABVSB
- Centrocerin
IACE50

5" B-Vent | 6" B-Vent | 7" B-Vent
\$680* | \$685* | \$690*

5" B-Vent | 6" B-Vent | 7" B-Vent
\$810* | \$815* | \$820*

5" B-Vent | 6" B-Vent | 7" B-Vent
\$1130* | \$1135* | \$1140*

*Innoflue® SW from base support to appliance sold separately.



4" Flex Vent Length
IFVL04



4" Connector Ring
IANS04



4" Spacer
IASP04



4" Flex End Pipe
IFEP04



4" B-Vent Rain Collar PPs-UV
IABC04



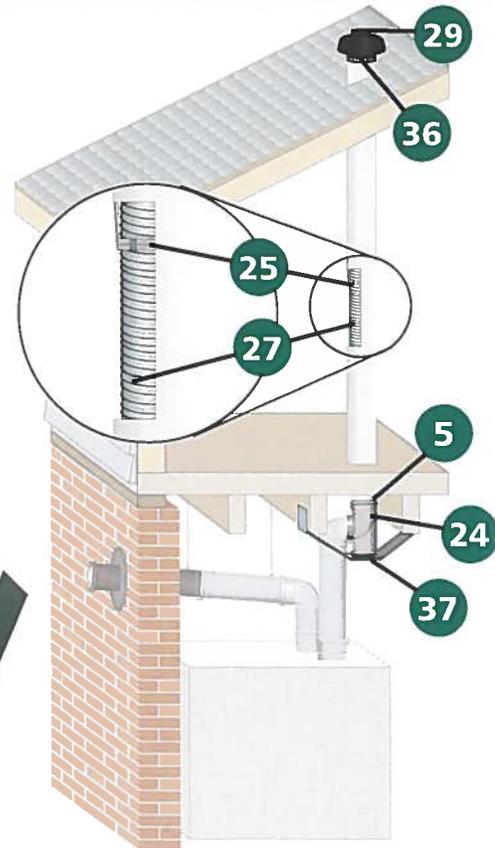
4" Base Support
ISBS0487



Centrocerin
IACE50



Base Support Bracket
IABVSB



Horizontal Vent Kits

2" Single Wall Vent Kit ISVKH02

- 3** 2" x 3' Vent Length
ISVL023
- 40** 2"x 87° Elbow Long
ISELL0287
- 7** 2" x 20" End Pipe
ISEP02
- 9** 2" Bird Screen PPs-UV Black
IASPP02
- 6** 2" Wall Plate x 2
IAWP02B
- 4** 2" Support Clamp x 2
IASC02
- 5** 2" Connector Ring x 2
IANS02

\$85*

3" Single Wall Vent Kit ISVKH03

- 3** 3" x 3' Vent Length
ISVL033
- 40** 3"x 87° Elbow Long
ISELL0387
- 7** 3" x 20" End Pipe
ISEP03
- 9** 3" Bird Screen PPs-UV Black
IASPP03
- 6** 3" Wall Plate x 2
IAWP03B
- 4** 3" Support Clamp x 2
IASC03
- 5** 3" Connector Ring x 2
IANS03

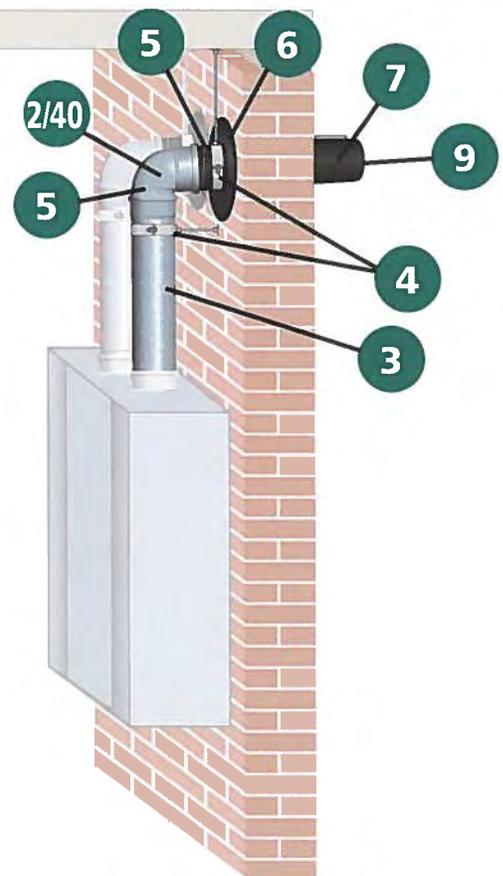
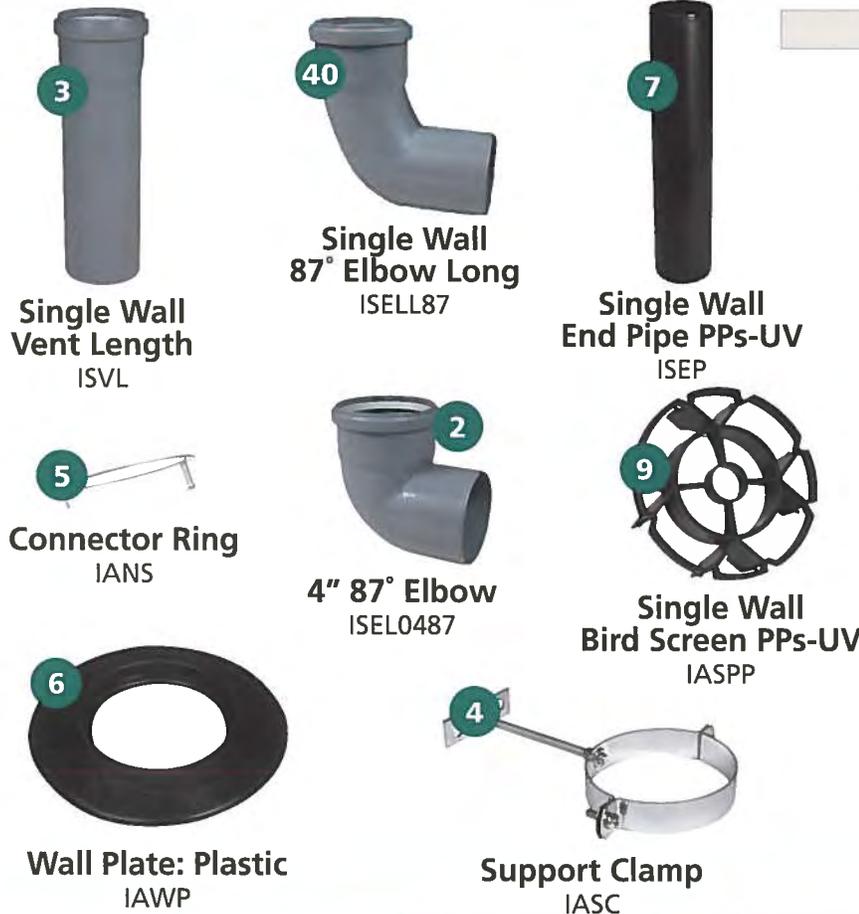
\$115*

4" Single Wall Vent Kit ISVKH04

- 3** 4" x 3' Vent Length
ISVL043
- 2** 4"x 87° Elbow
ISEL0487
- 7** 4" x 20" End Pipe
ISEP04
- 4" Stainless Steel Bird Screen**
IASSS04
- 6** 4" Wall Plate x 2
IAWP04B
- 4** 4" Support Clamp x 2
IASC04
- 5** 4" Connector Ring x 2
IANS04

\$215*

*Appliance adaptor sold separately.



Horizontal Vent Kits

2" / 4" Concentric Vent Kit ICVKH24

- 34** 2" / 4" x 87° Concentric Elbow
ICEL2487
- 33** 2" / 4" x 3' Concentric Vent Length
ICVL243
- 35** 2" / 4" x 13" Concentric Wall Termination SS
ICWS2413
- 6** 4" Concentric Wall Plate x 2
IAWP100B
- 4** 4" Concentric Support Clamp x 2
IASCC04

\$270

3" / 5" Concentric Vent Kit ICVKH35

- 34** 3" / 5" x 87° Concentric Elbow
ICEL3587
- 33** 3" / 5" x 3' Concentric Vent Length
ICVL353
- 39** 3" / 5" x 20" Concentric Wall Termination PP
ICWT352
- 6** 5" Concentric Wall Plate x 2
IAWP05B
- 4** 5" Support Clamp x 2
IASC05

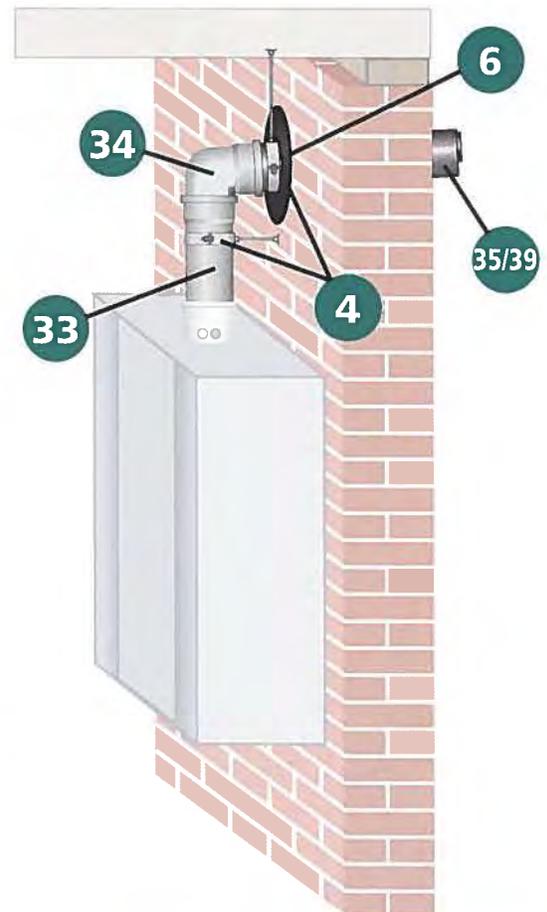
\$310

4" / 6" Concentric Vent Kit ICVKH46

- 34** 4" / 6" x 87° Concentric Elbow
ICEL4687
- 33** 4" / 6" x 3' Concentric Vent Length
ICVL463
- 35** 4" / 6" x 39" Concentric Wall Termination SS
ICWS4639
- 6** 6" Wall Plate White Square Steel x 2
IAWPSSW06
- 4** 6" Support Clamp x 2
IASC06

\$540*

*Some appliances will require purchase of adaptors.



Cascade Kits (Additional Sizes & Configurations Available)

6" Inline Cascade w/2 - 4" Feeders ISCK0008

- 3 6" x 2' Vent Length
ISVL062
 - 22 6" Short Branch Tee with 4" Feeder
ISBT060412
 - 38 6" Long Branch Tee with 4" Feeder
ISBT060442
 - 20 6" Horizontal Drain Fitting
ISHDF06
 - 21 Extra Long John Siphon
IAELJS
 - 2 4" x 87° Elbow x 2
ISEL0487
 - 12 100mm to 4" Increaser
ISIA100110
 - 5 4" Connector Ring x 4
IAN504
- Centrocerin
IACE50

\$999^{31*}

8" Inline Cascade w/2 - 4" Feeders ISCK0010

- 3 8" x 2' Vent Length
ISVL082
 - 22 8" Short Branch Tee with 4" Feeder
ISBT080412
 - 38 8" Long Branch Tee with 4" Feeder
ISBT080442
 - 20 8" Horizontal Drain Fitting
ISHDF08
 - 21 Extra Long John Siphon
IAELJS
 - 2 4" x 87° Elbow x 2
ISEL0487
 - 12 100mm to 4" Increaser
ISIA100110
 - 5 4" Connector Ring x 4
IAN504
- Centrocerin
IACE50

\$1,174^{48*}

10" Inline Cascade w/2 - 4" Feeders ISCK0011

- 3 10" x 2' Vent Length
ISVL102
 - 22 10" Short Branch Tee with 4" Feeder
ISBT100412
 - 38 10" Long Branch Tee with 4" Feeder
ISBT100442
 - 20 10" Horizontal Drain Fitting
ISHDF10
 - 21 Extra Long John Siphon
IAELJS
 - 2 4" x 87° Elbow x 2
ISEL0487
 - 12 100mm to 4" Increaser
ISIA100110
 - 5 4" Connector Ring x 4
IAN504
- Centrocerin
IACE50

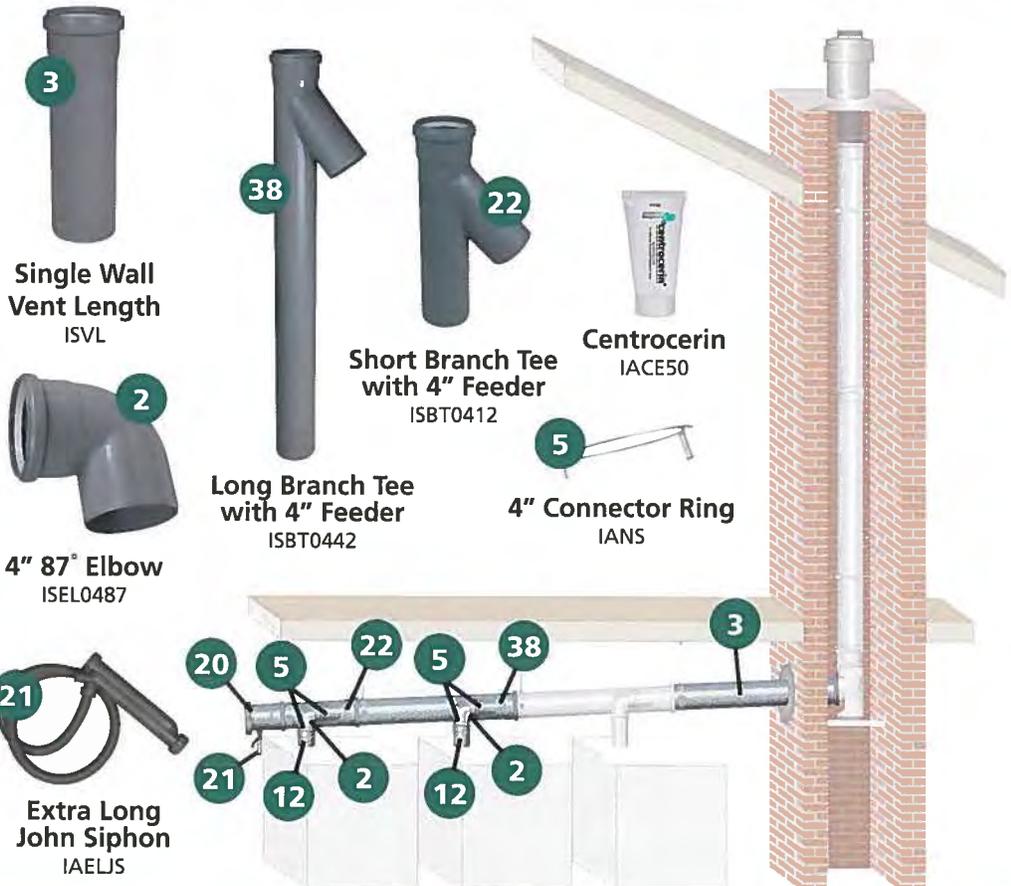
\$1,405^{59*}

12" Inline Cascade w/2 - 4" Feeders ISCK0012

- 3 12" x 2' Wall Vent Length
ISVL122
 - 22 12" Short Branch Tee with 4" Feeder
ISBT120412
 - 38 12" Long Branch Tee with 4" Feeder
ISBT120442
 - 20 12" Horizontal Drain Fitting
ISHDF12
 - 21 Extra Long John Siphon
IAELJS
 - 2 4" x 87° Elbow x 2
ISEL0487
 - 12 100mm to 4" Increaser
ISIA100110
 - 5 4" Connector Ring x 4
IAN504
- Centrocerin
IACE50

\$1,717^{61*}

*Appliance O.E.M. or P.E. approval required. May require an appliance adaptor and additional venting.



IDAHO HEATING, VENTILATION AND AIR CONDITIONING BOARD

Agenda Item No. 05

Carbon Monoxide Detectors

PRESENTER: Ted Sermon, HVAC Board Member

OBJECTIVE: Discuss the states standing on CO detectors and when they are required.

ACTION: Informational

BACKGROUND: The Consumer Product Safety Commission recommends installing at least one carbon monoxide detector per household, near the sleeping area in a home. Choose an Underwriters Laboratories (UL) listed detector that sounds an audible alarm. A carbon monoxide detector triggers an alarm based on exposure to CO over time. It is designed to sound an alarm before an average, healthy adult would experience symptoms.

PROCEDURAL HISTORY:

ATTACHMENTS: No documentation



IDAHO HEATING, VENTILATION AND AIR CONDITIONING BOARD

Agenda Item No. 06

cdpACCESS™

PRESENTER: Kraig Stevenson, ICC

OBJECTIVE: Inform the Board of the new ICC Code Development Process

ACTION: Informational

BACKGROUND: cdpACCESS™ allows individuals to create code change proposals and public comments; storing them in the cloud for easy access and submission. The individual can invite colleagues to view, comment and collaborate on the proposals/comments.

**PROCEDURAL
HISTORY:**

ATTACHMENTS: No documentation



IDAHO HEATING, VENTILATION AND AIR CONDITIONING BOARD

Agenda Item No. 07

Program Manager Report

PRESENTER: Jerry Peterson, HVAC Program Manager

OBJECTIVE: Report on the recent activities of the HVAC Program.

ACTION: Informational

BACKGROUND: This topic is addressed at all regularly scheduled Idaho HVAC Board meetings.

**PROCEDURAL
HISTORY:**

ATTACHMENTS: No documentation



IDAHO HEATING, VENTILATION AND AIR CONDITIONING BOARD

Agenda Item No. 08

Operational Report

PRESENTER: Steve Keys, Deputy Administrator-Operations

OBJECTIVE: Provide an update on the daily operations of the HVAC Program and Division.

ACTION: Informational

BACKGROUND: This topic is addressed at all regularly scheduled Idaho HVAC Board meetings.

**PROCEDURAL
HISTORY:**

ATTACHMENTS: No documentation



IDAHO HEATING, VENTILATION AND AIR CONDITIONING BOARD

Agenda Item No. 09a

Financial Report

PRESENTER: C. Kelly Pearce, Administrator and Kathleen Watkins, Financial Manager

OBJECTIVE: Review the Idaho HVAC Board's Financial Report.

ACTION: Informational

BACKGROUND: This topic is addressed at all regularly scheduled Idaho HVAC Board meetings.

**PROCEDURAL
HISTORY:**

ATTACHMENTS: Financial Report





Division of Building Safety
 IDAHO HVAC BOARD FUND 0229-08
 Fiscal Year 2014 Financial Statements
 As of 5/31/2014

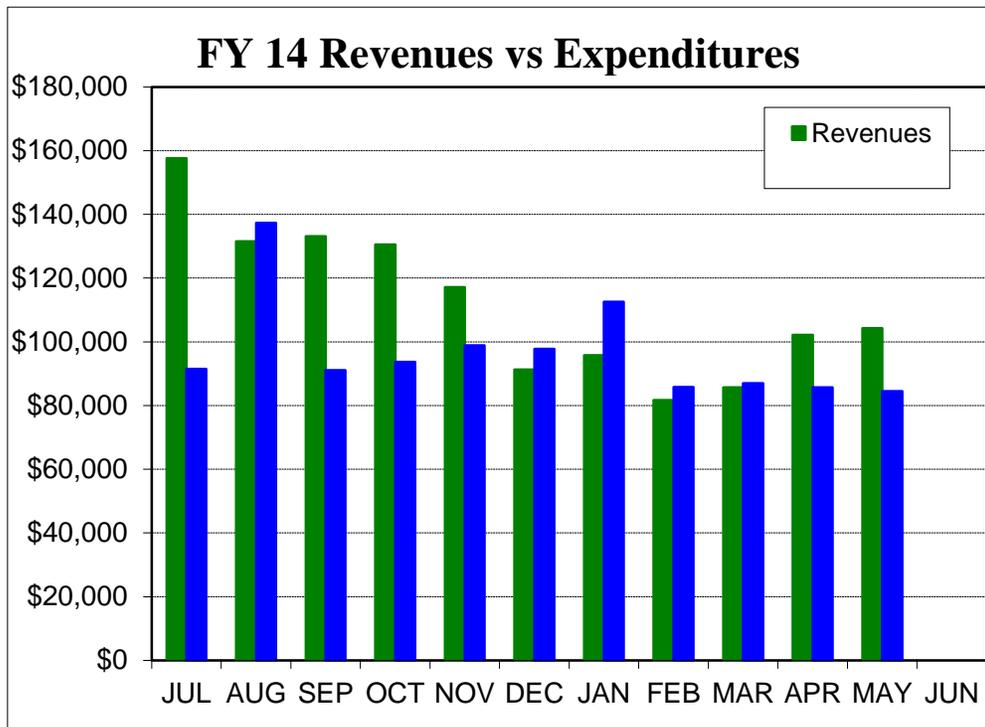
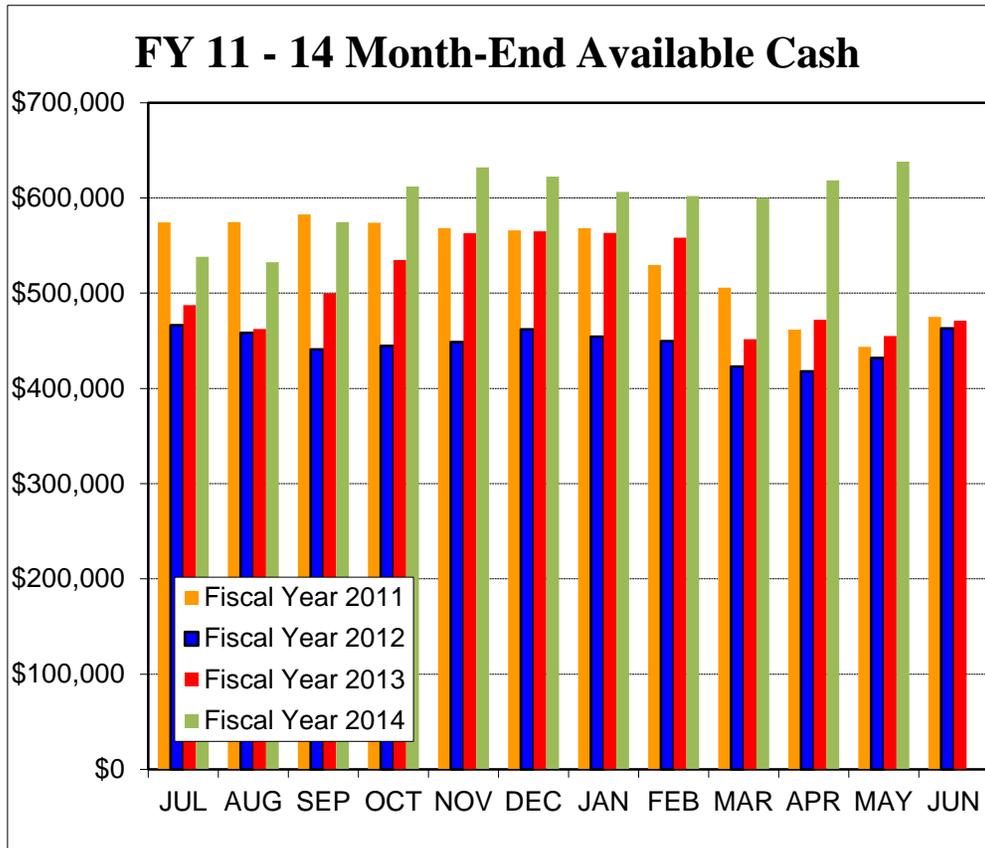
Statement of Revenues and Expenditures

Class	Budget	Fiscal Year To Date	YTD as a % of Budget	Remaining Budget	Projected for Remainder of Year	Projected Year End Totals	Projected Total as a % of Budget
Revenues:	1,173,000	1,230,895	104.9%	(57,895)	103,993	1,334,888	113.8%
Expenditures							
Personnel:	936,000	854,897	91.3%	81,103	71,241	926,138	98.9%
Operating:	219,000	190,076	86.8%	28,924	21,968	212,044	96.8%
Capital:	32,000	20,746	64.8%	11,254	28,254	49,000	153.1%
Total Expenditures	1,187,000	1,065,719	89.8%	121,281	121,463	1,187,182	100.0%
Net for FY 2014	(14,000)	165,176			(17,470)	147,706	

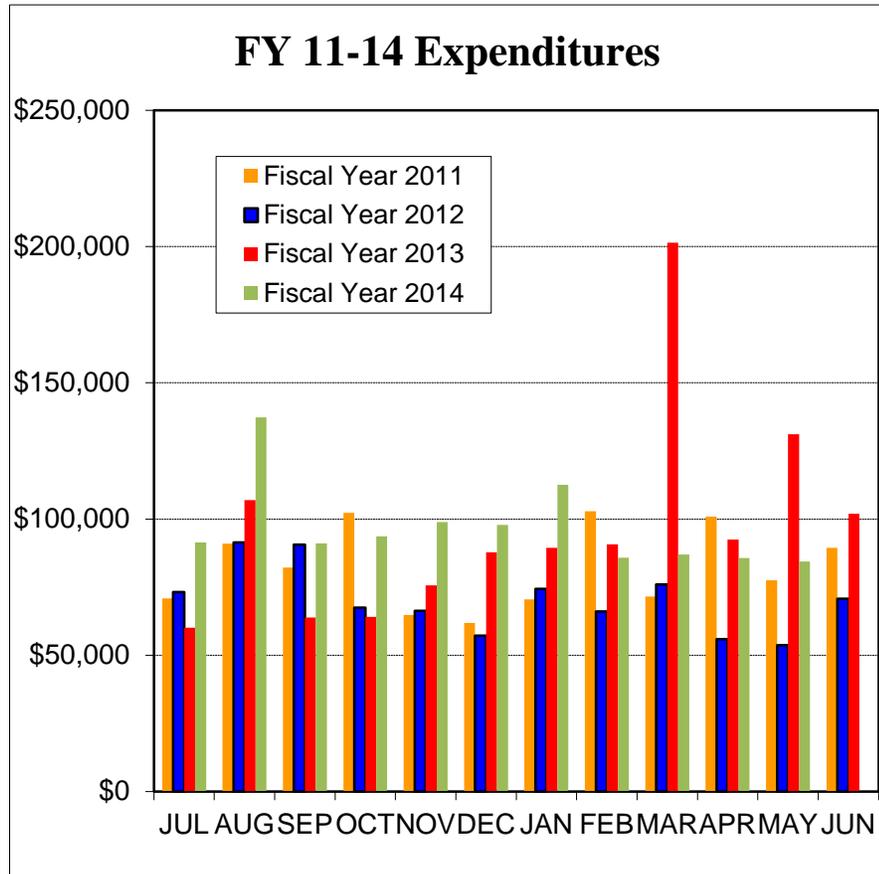
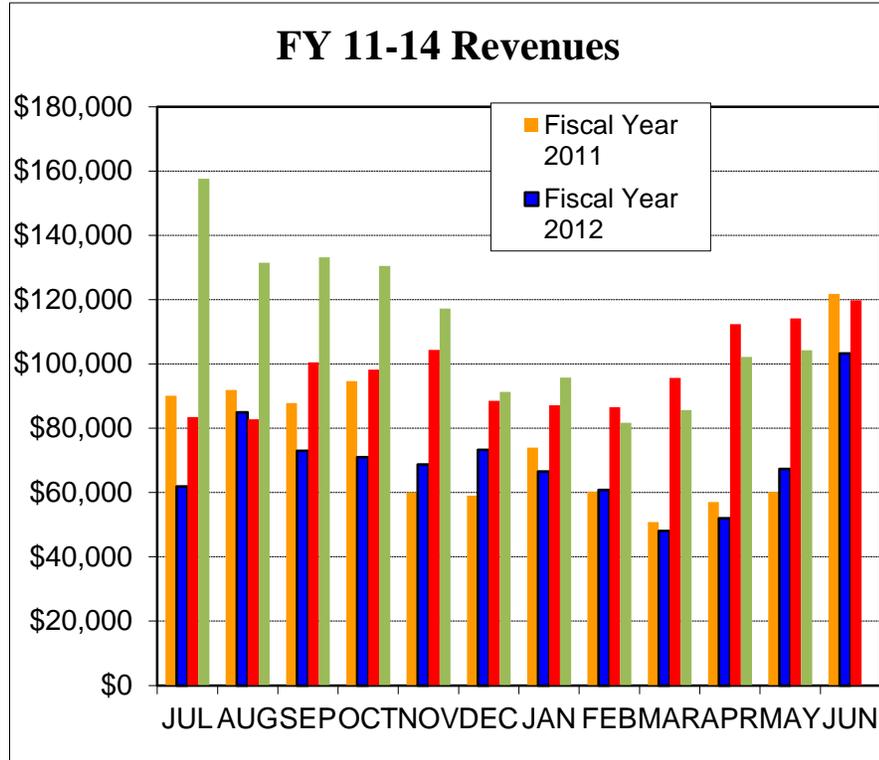
Statement of Cash Balance

July 1, 2013 Beginning Cash Available	Fiscal Year to Date Revenues	Fiscal Year to Date Expenditures and Encumbrances	Other Changes in Cash	Available Cash as of May 31, 2014	Projected Change in Cash for Remainder of Year	Projected Year End Available Cash
471,008	1,230,895	(1,065,719)	1,947	638,131	(17,470)	620,661

IDAHO HVAC BOARD FUND 0229-08



IDAHO HVAC BOARD FUND 0229-08



IDAHO HEATING, VENTILATION AND AIR CONDITIONING BOARD

Agenda Item No. 09b

Administrator

PRESENTER: C. Kelly Pearce, Administrator

OBJECTIVE: Provide an overview of the Division's current activities.

ACTION: Informational

BACKGROUND: This topic is addressed at all regularly scheduled Idaho HVAC Board meetings.

**PROCEDURAL
HISTORY:**

ATTACHMENTS: No documentation

