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Pipe Trades Joint Apprentice and Journeyman
Training Committee for Southern Nevada
U.A. Local #525

750 N. Lamb Boulevard, Las Vegas, Nevada 89110
Telephone (702)459-3473 Fax (702)459-2901

To: Senate Committee on Human Resources and Facilities
Re: SB No. 115

Dear Sirs,

My name is Philip J. Campbell, I am currently the Training Coordinator for the Pipe Trades Joint Apprentice and Journeyman Training Committee for Southern Nevada UA Local 525. In this capacity I develop and schedule the curriculum for our classroom training which serves over 1500 journeymen plumbers and apprentices. I also have taught the plumbing code portion of our curriculum for the last 9 years. I currently sit on the Nevada State Apprenticeship Council and many other apprenticeship and plumbing associations and committees and have been a licensed journeyman plumber since completing my apprenticeship in 1981. Because of this experience I think I am well suited to comment on SB No.115. I urge you to reject this bill based on the following points supported by documents which I have submitted to you.

- * The adoption of this bill will have a fiscal effect on State and Local Government and indeed all plumbing professionals including plumbing engineers, plumbers and apprentices. The cost for the current Uniform Plumbing Code as published by IAPMO is \$65.00. To replace this code with the only other national code, The International Plumbing Code and other referenced documents, will cost our local and state inspection departments an additional \$200.00 per inspector. This cost will also be applied to each plumber and apprentice in the state. For my program that means a cost of almost \$300,000.00 for journeyman and apprentices to replace their code books. To be retrained in this vastly different code would take an additional burden on funds for public entities and all the plumbers in the state. It costs our program over \$1200 to hold a 42 hour code class for 25 students. Thus it would cost over \$72,000.00 for just the instructor to retrain our union workforce and there are over 4000 other plumbers in Southern Nevada alone.
- * Allowing multiple codes to be adopted in the state and its municipalities will cause confusion and further increase the costs to the industry by causing us to be trained in and to own two different sets of documents.
- * Code experts have studied the two codes and concluded that the Uniform Plumbing Code is the superior code for the safety and protection of the Citizens of Nevada. I have submitted documents by independent experts and officials in Southern Nevada who have unanimously urged the adoption of the Uniform Plumbing Code over the International Plumbing Code.

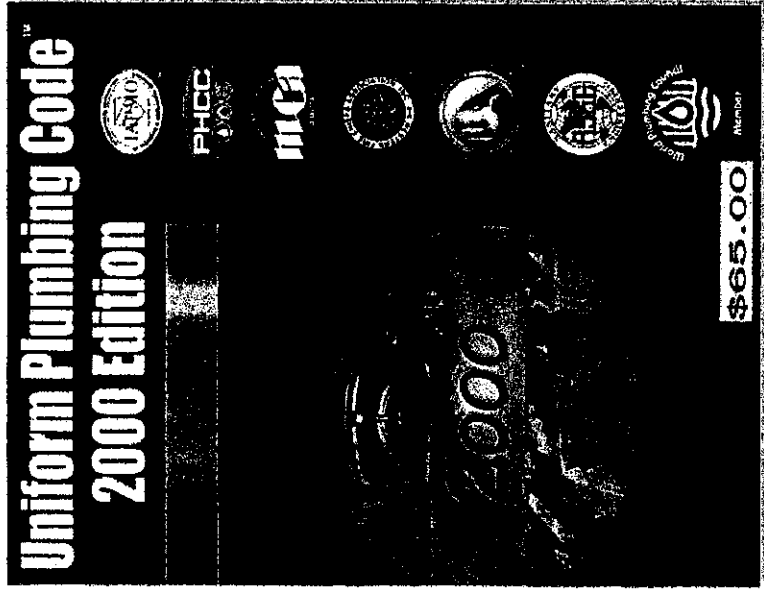
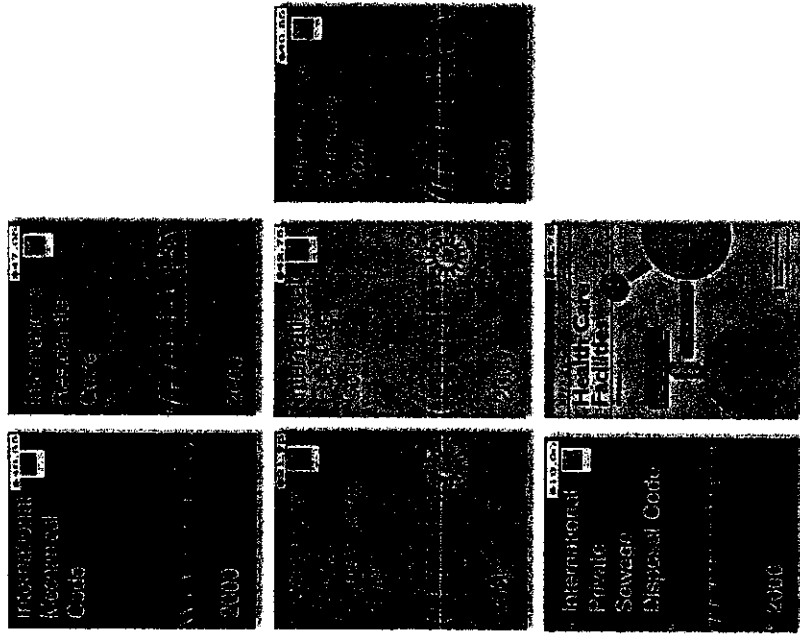
I again urge you to reject this costly bill and rely on plumbing experts and the plumbing industry in Southern Nevada, who have unanimously expressed the desire to remain on the code that has served us so well, the Uniform Plumbing Code as Published by IAPMO.

Sincerely,



Philip J. Campbell
Training Coordinator

THE CHOICE IS YOURS...



*Individual
Referenced
Standards
\$???*

Total Costs: \$262.40 + Total Cost: \$65.00

**Selling Books is NOT our Business,
Protecting Health and Safety is!!!**

{Item 1}

MEMORANDUM

Date: April 6, 2000
To: SNBO Members
From: Bob Weber, Clark County Building Department
Re: SNBO's Role in Code Adoption, Code Interpretations and Adopted Code Revisions

Goal: To share information and promote a more consistent adoption process, creating a more user friendly system for builders and design professionals.

Objectives:

1. To develop uniform code amendments between Building Departments for adoption.
2. To minimize the number of local amendments to adopted codes.
3. Determine which model codes should be considered for adoption.

1. Code Adoptions and Local Amendments

- The SNBO will establish committees and provide assignments for joint code development, review of codes to obtain recommendations for the most suitable code for adoption, and drafting of proposed joint local amendments.
- SNBO will provide written direction and expectations for committees.
- SNBO, as a group, intends to develop and adopt codes and local amendments by reference so that uniformity of codes is achieved between Building Departments.
- SNBO will review committee recommendations of code adoption and local amendments for meeting their jurisdictions needs, compatibility and acceptance with the community. Where changes are requested, the draft with comments will be forwarded to the committee for followup.
- Once SNBO accepts the code and local amendments draft, they will forward the draft to industry for review and schedule at least one joint meeting to obtain industry input.
- After receipt of industry comments and applicable amendments have been made, the local amendments or local code will be published for each jurisdiction to take to their city council or county commission for introduction and public hearing.

2. Revisions to Local Codes

- When a Building Official determines that a local code amendment or local code should be revisited after the Southern Nevada amendments are published and adopted by city councils or county commissions, the revision to local codes procedure should be followed.

3. Code Interpretations

- SNBO may request standing committees to develop interpretations on major issues where uniformity of interpretations is desired between jurisdictions.
- Requests are to be sponsored by a Building Official who will request SNBO concurrence for assignment to a committee for review.
- Once the committee has completed the draft interpretation, the proposed interpretation is submitted to SNBO for review and acceptance. The proposal may be accepted as written, rejected, or returned to the committee for further study and revision.
- After approved by SNBO, the interpretation will be distributed to SNBO members, the committee and industry as applicable.

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03/13/2000 13:13 001001 DELIVERED BY WEST MAIL

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(Item 2)

MEMORANDUM

TO: Southern Nevada Building Officials (SNBO)

FROM: Robert D. Weber, Director
Clark County Building Department

SUBJECT: SNBO Committees and Assignment Recommendations

DATE: April 6, 2000

Steering Committee:

The Steering Committee is charged by the Southern Nevada Building Officials to coordinate the activities of the Code Amendment and Interpretation Committees, to reconcile inconsistencies between the different adopted amendments, and develop drawings and guidance directives to better enable staff and the public to comply with various code provisions. All recommendations, interpretations and products are subject to final review and approval by the individual building officials in southern Nevada.

A Steering Committee is established to perform the following functions:

- ▶ Review current handouts of jurisdictions and develop joint handout products which can be accepted by all participating jurisdictions for customer use.
- ▶ Develop handouts as requested by SNBO.
- ▶ Coordinate interpretations with committee when request affects more than one committee.
- ▶ Coordinate code development committees for local amendments.

Code Committees:

The Code Committees are charged to research the codes under their particular specialties, determine which model code is best suited and determine areas that require modifications due to local conditions, and assure consistency between the communities of southern Nevada. In the interest of uniformity, the committee is charged to develop common interpretations for the adopted national code and local amendments.

The following code committees are established as standing committees to review the designated code(s), current local amendments, develop amendments for recommended codes for adoption; and to develop interpretations when assigned by Southern Nevada Building Officials (SNBO):

1. Building Committee: Uniform Building Code, International Building Code, local amendments and local interpretations;
2. Residential Committee: International Residential Code; local amendments
3. Electrical Committee: Interpretations, (Completed 1999 Code Amendment tasks)

Southern Nevada Building Officials
Committee Assignment Recommendations 2

April 6, 2000

4. Plumbing Committee: Uniform Plumbing Code, International Plumbing Code, International Gas Code, local amendments and local interpretations;
 5. Mechanical Committee: Uniform Mechanical Code, International Mechanical Code, International Energy Code, local amendments and local interpretations;
 6. Swimming Pool Committee: Local swimming pool code;
 7. Sign Committee: Local sign ordinance and local amendments.
- ▶ All committees will be standing committees until such time that the Building Officials (SNBO) determine that a committee is no longer needed.
 - ▶ Each committee will consist of a maximum of two (2) and a minimum of one (1) member from each jurisdiction.
 - ▶ All committee members will be appointed by the Building Official from their jurisdiction.
 - ▶ All committees will be empowered to review and develop draft local amendments to the designated or local codes for submittal to the SNBO for review for the purpose of adoption by all jurisdictions.
 - ▶ All committees will be empowered to review and develop interpretations of the adopted codes and local amendments to those codes for review and acceptance by the SNBO.
 - ▶ A jurisdiction may replace a committee member at any time provided the Building Officials and Committee Chair is notified in writing prior to the next scheduled meeting.
 - ▶ Proposed changes to the local amendments or interpretations may be submitted at any time provided to proposed changes are submitted to the committees through a Building Official to SNBO.
 - ▶ A major objective of the committees is to limit the number of code amendments.
 - ▶ Each committee is to select the chairperson and secretariat.
 - ▶ Each committee will develop written code text and prepare recommendations to SNBO.
 - ▶ The format for code amendments will be similar to that used for the 1999 NEC amendments.

RDW:gms

Code Committees and
Jurisdictional Appointments
May 16, 2000

<u>Steering Committee</u>	<u>Phone</u>	<u>Fax</u>	<u>Meeting Date and Time</u>
Clark County: Roger Condie, Chair	455-3045	382-8146	
Las Vegas:			
Henderson: Mo Jadid	566-2714	565-2260	
North Las Vegas: Dick Hughes, Co-Chair	633-1550	642-8064	
Boulder City: Paul Donohue	293-9282	293-9392	
Mesquite: Kurt Sawyer	346-2835	346-5382	
Kathryn Nelson, Secretary	455-3045	382-8146	
<u>Building Committee</u>			
Architectural – Paul Donahue			Wednesday, May 17
Clark County: Pat Lowry	455-4732	471-0421	9:00 a.m.
Clark County: Jim McKinnon	455-7437	455-7464	Organizational Development Ctr
Alternate: Ron Niska	455-3024	382-8146	
Alternate : Joe Thibodeau	455-7458	455-7464	
Las Vegas: Earl Russell	229-6913	384-1057	
Henderson: Lee Guyette	565-2371	565-2868	
Henderson: Steve Cullen	565-7632	565-2260	
North Las Vegas: Scott Perry	633-1586	633-1853	
North Las Vegas: LaMont Dukart	633-1582	633-1853	
Boulder City: Paul Donohue	293-9282	293-9392	
Mesquite: Kurt Sawyer	346-2835	346-5382	
Structural – Mo Jadid			Wednesday, May 17
Clark County: Kevin McOsker	455-2886	382-8146	9:00 a.m.
Clark County: Ted Droessler	455-7408	455-7464	Organizational Development Ctr.
Las Vegas:			
Henderson: Joel Ritchie	566-2932	565-2868	
Henderson: Majid Pakniat	914-4183	565-2260	
North Las Vegas: Dale Daffern	633-1325	642-2633	
Boulder City: Paul Donohue	293-9282	293-9392	
Mesquite: Darin Whatcott	346-2835	346-5382	
Life Safety – Kurt Sawyer			Wednesday, May 17
Clark County: Doug Evans	455-4897	471-0421	9:00 a.m.
Clark County: Jay Hymas	455-0603	455-7464	Organizational Development Ctr.
Alternate: Amy Cheng	455-2757	382-8146	
Las Vegas: Earl Russell	229-6913	384-1057	
Henderson: Steve Cullen	565-7632	565-2260	
North Las Vegas: Scott Perry	633-1586	633-1853	
North Las Vegas: LaMont Dukart	633-1582	633-1853	
Boulder City: Paul Donohue	293-9282	293-9392	
Mesquite: Kurt Sawyer	346-2835	346-5382	

Code Committees and
Jurisdictional Appointments

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May 16, 2000

International Residential Committee – Paul Donohue

Clark County: Jack Meiner	455-5654	382-8146
Clark County: Randy Pierce	298-2436	298-4531
Alternate: Brian Hume	455-5522	382-8146
Las Vegas: Earl Russell	229-6913	384-1057
Henderson: Duane Ripplinger	565-2896	565-2868
Henderson: Marie Bryan	565-4954	565-2260
North Las Vegas: Mark Palm	633-1583	633-1853
Boulder City: Paul Donohue	293-9282	293-9392
Mesquite: Kurt Sawyer	346-2835	346-5382

Wednesday, May 17

10:30 a.m.

Clark County Building Department
Conference RoomElectrical Committee – Roger Condie

Clark County: Rick Maddox	455-7422	455-7464
Clark County: Glenn Soles	455-2758	382-8146
Las Vegas: Randy Hunter	229-6915	363-1051
Henderson: Al Aubert	565-2369	565-2868
Henderson:		
North Las Vegas: Paul Hume	633-1587	633-1853
North Las Vegas: Mark Palm	633-1583	633-1853
Boulder City: Paul Donohue	293-9282	293-9392
Mesquite: Dale Tobler	346-2835	346-5382

9:30

Plumbing Committee – Mo Jadid

Clark County: Dennis Daniels	455-7452	455-7464
Clark County: Jordan Krahenbuhl	455-3026	382-8146
Alternate: Jesse Hymer	455-7427	455-7464
Las Vegas: Tom Gugino (chair)	303-2294	363-1051
Henderson: Chuck Kirby (chair)	565-2454	565-2868
Henderson: Mo Jadid	566-2714	565-2260
North Las Vegas: Russ McDonald	633-1590	633-1853
Boulder City: Paul Donohue	293-9282	293-9392
Mesquite: Charles Burton	346-2835	346-5382

Wednesday, May 17

wed 24 10

11:00 a.m.

Organizational Development Ctr.
Bring Email addressesMechanical Committee – Mo Jadid

Clark County: Jesse Hymer	455-7427	455-7464
Clark County: Jordan Krahenbuhl (chair)	455-3026	382-8146
Alternate: Dennis Daniels	455-7452	455-7464
Las Vegas: Tom Gugino	303-2294	363-1051
Henderson: Greg Blackburn	566-2691	565-2868
Henderson: Mo Jadid	566-2714	565-2260
North Las Vegas: Russ McDonald	633-1590	633-1853
Boulder City: Paul Donohue	293-9282	293-9392
Mesquite: Charles Burton	346-2835	346-5382

Wednesday, May 17

wed 24 10

11:00 a.m.

Organizational Development Ctr.

Co
chair

8-13

Code Committees and
Jurisdictional Appointments

3

May 16, 2000

Pool Committee – Dick Hughes

Clark County: Rodney Mahaffey	455-7451	455-7464
Las Vegas: Randy Hunter	229-6915	363-1051
Henderson: Hal St. Clair	565-2091	565-2868
Henderson: Tony Madsen	565-4278	565-2260
North Las Vegas: Paul Hume	633-1587	633-1853
Boulder City: Paul Donohue	293-9282	293-9392
Mesquite: Kurt Sawyer	346-2835	346-5382

Wednesday, May 17

1:00 p.m.

Clark County Building Department
Conference Room

Energy Committee – Roger Condie

Clark County: Brian Hume	455-5522	382-8146
Clark County: Rick Pangburn	455-4751	471-0421
Las Vegas: Earl Russell	229-6913	384-1057
Henderson: Bruce Soucy	566-2725	565-2868
Henderson: Tony Madsen	565-4278	565-2260
North Las Vegas: Robin Webb	633-1573	642-8064
Boulder City: Paul Donohue	293-9282	293-9392
Mesquite: Kurt Sawyer	346-2835	346-5382

Wednesday, May 17

11:00 a.m.

Organizational Development Ctr.

Sign Committee – Roger Condie

Clark County: Ted Droessler	455-7408	455-7464
Las Vegas:		
Henderson:		
North Las Vegas: Yolanda Aclaro	633-1925	642-8064
Boulder City: Paul Donohue	293-9282	293-9392
Mesquite: Kurt Sawyer	346-2835	346-5382

Wednesday, May 17

9:00 a.m.

Clark County Building Department
Conference Room

MEMORANDUM

MECHANICAL CODE COMMITTEE

TO: Southern Nevada Building Officials

FROM: Jordan Krahenbuhl, Chairman

SUBJECT: MECHANICAL CODE ADOPTION

DATE: October 4, 2000

The Southern Nevada Mechanical Code Committee unanimously recommends the adoption of the 2000 UMC.

Attached please find some items that helped us reach our decision.

To: SNBO Steering Committee
From: The Southern Nevada Mechanical Code Committee
Regarding: Mechanical Code Adoption
Date: October 4th 2000

In regards to the recommendation for the Mechanical Code adoption, we as a committee recommend the adoption of the 2000 Uniform Mechanical Code for Southern Nevada. This is based on public Health, Safety and Welfare of the citizens of Southern Nevada. This is in addition to the information to our previous report.

The following are a few items we felt are advantages of the 2000 Uniform Mechanical Code

- Installation Standards. The 2000 IMC does not have installation requirements in the code. The 2000 UMC standards reference the most current standards available. This will provide the information needed for the best and safest installations possible.
- Gama Tables. Referenced in Section 801 UMC 2000. Appendix C gives requirements for Category I Venting systems which are being used in the industry. These requirements provide criteria for installation and sizing to ensure the safest systems possible. These requirements are also found in the 2000 Uniform Plumbing Code and Section 7.15 of NFPA 54. This will provide compatible systems between codes.
- Combustion air. The 2000 UMC provides criteria for combustion air that is the same requirements from the Uniform Plumbing Code. We could delete our exception in Section 702 SNPC which deletes the exception from the 1997 UMC that allows only one opening. This is a life safety issue and proper air needs to be provided to protect the occupants of the building.
- Section 508.4 UMC 2000 gives specific requirements for grease duct enclosures. The IMC 2000 has requirements for the deletion of the enclosure for certain types of construction. The enclosure is essential to maintain life safety requirements in regards to Type I hood applications.
- The 2000 UMC gives specific requirements in regards to fire extinguishing systems for kitchen grease hoods and ducts and also has requirements for product conveying systems including duct construction. The IMC refers to the International Fire Code for requirements. Unless the IFC is adopted these essential life safety requirements would be deleted.
- Chapter 13 of the UMC 2000 refers to Chapter 12 of the UPC for gas piping. This is to ensure that regardless of who does the gas piping (Plumbing or Mechanical Contractors) the systems will be compatible. The IMC refers to the IFGC for gas piping and could cause conflict and confusion in regards to installation and sizing and compromise the safety of the occupants using the systems.


If the 2000 Uniform Mechanical Code was adopted for use in Southern Nevada, the following are items that would need to be considered for amendments

- If the 1997 Uniform Building Code is continued, the amendments would not be a great deal different than was is currently adopted.
- If the 2000 International Code is adopted, some of the items that would need to be addressed are
 - #1. Ventilation and outside air requirements.
 - #2. Smoke control requirements
 - #3. The requirements for mechanical in the International Residential Code would need to be deleted. Reference would need to be made to " see the 2000 UMC for requirements"This is similar to what would need to be done for electrical.

MEMORANDUM

PLUMBING CODE COMMITTEE

TO: Southern Nevada Building Officials

FROM: Chuck Kirby, Chairman 

SUBJECT: PLUMBING CODE ADOPTION

DATE: October 4, 2000

The Southern Nevada Plumbing Code Committee unanimously recommends the adoption of the 2000 UPC.

Attached please find some items that helped us reach our decision.

To: The SNBO Steering Committee
From: Southern Nevada Plumbing Code Committee
Regarding: Plumbing Code Adoption
Date: October 4th 2000

In regards to the recommendation of the Uniform Plumbing Code for adoption, we as a committee recommend the adoption of the 2000 Uniform Plumbing Code for Southern Nevada. This is based on public health, safety and welfare of the citizens of Southern Nevada. This is in addition to the information in our previous report.

The following are a few of the items we felt are advantages of the 2000 Uniform Plumbing Code.

- PEX piping. The 2000 provides for PEX water piping systems. These systems are being widely used in Southern Nevada under alternate methods. This will provide criteria for better installations and specific code requirements for this product.
- Updated installation standards. The standards in the 2000 Uniform Plumbing Code have been updated from the 1997 code and will provide more current standards that have been updated and provide the latest in design standards to provide for the safest installations possible.
- Table 14 contains the most recent material standards and the 2000 table contains the NSF 61-98 "Health Effects of Drinking Water Systems Components".
- The water supply piping tables have been updated. These tables have been studied and updated to provide values that will ensure that systems are designed to provide water to fixtures for the best installations possible and serve the fixtures most efficiently and give the citizens the best performing water piping systems possible.
- The drainage piping tables have been updated. This will provide updated values for the installations of drainage waste and vent systems including wet venting to maintain trap seals and protect the occupants of the structure.
- Gama Tables. -Appendix C has been added to provide criteria for Category I systems. This is also referenced in Section 512 UPC. These requirements provide criteria for fan- assisted appliances which are being used more frequently and will provide direction to ensure the safest venting systems possible. Appendix C is also coordinated with Section 7.15 of NFPA 54 so all installations will be compatible.
- Water heater Table 5-1. This table will provide requirements to designers as to water heater sizing. Many times too small of water heater is installed and the occupants do not have enough hot water for bathing and cleaning purposes.

If the 2000 Uniform Plumbing Code was adopted for use in Southern Nevada, the following are a few items that would need to be considered for amendments.

- If the 1997 Uniform Building Code is continued, the amendments would not be a great deal different than what is currently adopted. One item that would need to be looked at is the requirements for plastic piping.
- If the 2000 International Building Code is adopted, some of the items that would need to be addressed are.

#1 The requirements for plumbing in the International Residential Code would need to be deleted. Reference would need to be made to " see the 2000 UPC for requirements". This is similar to what would need to be done for electrical.

#2 Issues in regards to Chapter 15 for plastic piping would need to be examined.