

***BIC Regular Meeting  
of  
February 15, 2017***

***Agenda Items 12***

City and County of San Francisco  
Department of Building Inspection



Edwin M. Lee, Mayor  
Tom C. Hui, S.E., C.B.O., Director

February 10, 2017

Building Inspection Commission  
1660 Mission Street  
San Francisco, CA 94103

RE: Proposed San Francisco Plumbing Code (SFPC) change to Section 911 Circuit Venting

Honorable Members of the Commission:

At the regular meeting of February 8, 2017, the full Code Advisory Committee (CAC) deliberated on a proposed San Francisco code amendment to the 2016 California Plumbing Code deleting Section 911 Circuit Venting.

The CAC forwards a unanimous recommendation for approval of this proposal as written and attached subject to addition of proper findings as required by the Health and Safety Code, to the Building Inspection Commission for their further action.

Respectfully submitted,

A handwritten signature in black ink, appearing to read "Kirk Means".

Kirk Means  
DBI Technical Services Division  
Secretary to the Code Advisory Committee

cc: Tom C. Hui, S.E., C.B.O., Director  
Edward Sweeney, Deputy Director  
David Leung, Manager  
Stephen Harris, S.E., Chair, Code Advisory Committee  
William Strawn, Legislative Affairs

Attach: Proposed SFPC code change Section 911

Technical Services Division  
1660 Mission Street – San Francisco CA 94103  
Office (415) 558-6205 – FAX (415) 558-6401 – [www.sfdbi.org](http://www.sfdbi.org)

CAC  
2/8/2017  
Approved unanimously  
subject to proper findings

Code Comment Form

SECTION 911 — Circuit Venting.

Delete the following section:

**911.0 Reserved: Circuit Venting.**

**911.1 Circuit Vent Permitted.** A maximum of eight fixtures connected to a horizontal branch drain shall be permitted to be circuit vented. Each fixture drain shall connect horizontally to the horizontal branch being circuit vented. The horizontal branch drain shall be classified as a vent from the most downstream fixture drain connection to the most upstream fixture drain connection to the horizontal branch.

**911.1.1 Multiple Circuit-Vented Branches.** Circuit-vented horizontal branch drains are permitted to be connected together. Each group of a maximum of eight fixtures shall be considered a separate circuit vent and shall be in accordance with the requirements of this section.

**911.2 Vent Size and Connection.** The circuit vent shall be not less than 2 inches (50 mm) in diameter and the connection shall be located between the two most upstream fixture drains. The vent shall connect to the horizontal branch on the vertical. The circuit vent pipe shall not receive the discharge of a sailor waste.

**911.3 Slope and Size of Horizontal Branch.** The slope of the vent section of the horizontal branch drain shall be not more than 1 inch per foot (83.3 mm/m). The entire length of the vented section of the horizontal branch drain shall be sized for the total drainage discharge to the branch.

**911.3.1 Size of Multiple Circuit Vent.** Multiple circuit-vented branches shall be permitted to connect on the same floor level. Each separate circuit-vented horizontal branch that is interconnected shall be sized independently in accordance with Section 911.3. The downstream circuit-vented horizontal branch shall be sized for the total discharge into the branch, including the upstream branches and the fixtures within the branch.

**911.4 Relief Vent.** A 2 inch (50 mm) relief vent shall be provided for circuit-vented horizontal branches receiving the discharge of four or more water closets and connecting to a drainage stack that receives the discharge of sailor waste from upper horizontal branches.

**911.4.1 Connection and Installation.** The relief vent shall connect to the horizontal branch drain between the stack and the most downstream fixture drain of the circuit vent. The relief vent shall be installed on the vertical to the horizontal branch.

**911.4.2 Fixture Drain or Branch.** The relief vent is permitted to be a fixture drain or fixture branch for a fixture located within the same branch interval as the circuit-vented horizontal branch. The discharge to a relief vent shall not exceed 4 fixture units.

**911.5 Additional Fixtures.** Fixtures, other than the circuit-vented fixtures, are permitted to discharge to the horizontal branch drain. Such fixtures shall be located on the same floor as the circuit-vented fixtures and shall be either individually or common-vented.

COMMENT 1:

Name: Steve Panelli

Date: 2/1/2017

Comments/Findings:

Place an X in one of the following:	Retain as is:	Update as noted:	Revise:	Delete:
				X
Place an X in one	More Restrictive:	Less Restrictive:	Neither more nor less:	

of the following:	<input checked="" type="checkbox"/>			
<b>COMMENT 2:</b>				
Name: Mechanical, Electrical, Plumbing + Fire Subcommittee Date: 2/6/2017				
Comments/Findings: <i>Voted to support subject to proper findings</i>				
Place an X in one of the following:	Retain as is:	Update as noted:	Revise:	Delete:
				<input checked="" type="checkbox"/>
Place an X in one of the following:	More Restrictive:	Less Restrictive:	Neither more nor less:	
	<input checked="" type="checkbox"/>			
Index keywords:				
<b>COMMENT 3:</b>				
Name: Code Advisory Committee Date: 2/8/2017				
Comments/Findings: <i>Voted to support subject to proper findings</i>				
Place an X in one of the following:	Retain as is:	Update as noted:	Revise:	Delete:
				<input checked="" type="checkbox"/>
Place an X in one of the following:	More Restrictive:	Less Restrictive:	Neither more nor less:	
	<input checked="" type="checkbox"/>			
Index keywords:				
<b>COMMENT : TSD Analysis</b>				
Name: Date:				
Comments/Findings:				
Place an X in one of the following:	Retain as is:	Update as noted:	Revise:	Delete:
Place an X in one of the following:	More Restrictive:	Less Restrictive:	Neither more nor less:	