Lower Mainland Plumbing Code Committee

Minutes of the meeting of the Lower Mainland Plumbing Code Committee in
Meeting Room 2A, Burnaby City Hall, 4949 Canada Way, Burnaby, BC.
Thursday, June 7, 2018, 1:30 p.m.

Chairman:	Bob Kennedy	City of Coquitlam
Co- Chair:	James Siemens	City of North Vancouver

Present:	Lewis Martin	Pacific Vocational College
	Patrick Maguire	IPEX
	Jeff Ramey	Lubrizol
	Tony Bartko	BOABC
	Ivo Tanner	RMOW
	Greg Snider	City of Surrey
	Gord Postle	District of North Vancouver
	Gary Harman	District of West Vancouver
	Lindsay Wilson	District of West Vancouver
	Larry Scott	City of Port Moody
	Claudio Pasqua	City of Burnaby
	Harold Tamagi	City of Burnaby
	Dino Echelli	City of Burnaby
	Rudy Steensland	City of Abbotsford
	Edwin Ho	IAPMO
	Derek Slykerman	City of Vancouver
	Guy Gareau	City of White Rock

(1) CALL TO ORDER:

The meeting was called to order by the Chairman at 1:30

(2) MINUTES OF MEETING:

A Motion was made to adopt the Minutes of the meeting of the April 3, 2018 by Greg Snider of Surrey and Seconded Guy Gareau of White Rock.

Motion Carried

(3) BUSINESS ARISING FROM MINUTES:

a) None

(4) NEW BUSINESS

- **Tony Bartko, BOABC**, President, was welcomed by the Committee. Tony had asked to speak with us as the newly elected President of the BOABC to address his mandate of transparency and responsiveness, he wishes to build upon during his term of leadership. Some of the highlights that Tony spoke to were;
    - To create a more cohesive group between the building and plumbing officials.
    - Having the BOABC office compliment staffed up, should work better now
    - Needs now to work with the Province;
        - The Province has stressed the need of an administrative agreement to be fulfilled
        - CPD points are a hallmark of a program, members need to understand where and how to acquire CPD points to maintain good standing. It may be necessary to provide more courses, seminars or programs that qualify for CPD's so that members can access more availability.
        - BOABC is on the edge of keeping the authority to do what it is doing. As the Province has given the BOABC the authority to regulate and inspect matters under the BC Building Code it can also take that authority away. As an organization the BOABC needs to show its professionalism to the Province through the adoption of programs that further legitimises its processes and accredits its members. Failing that, there are several other organizations out there vying for the opportunity to regulate the BC Building Code.

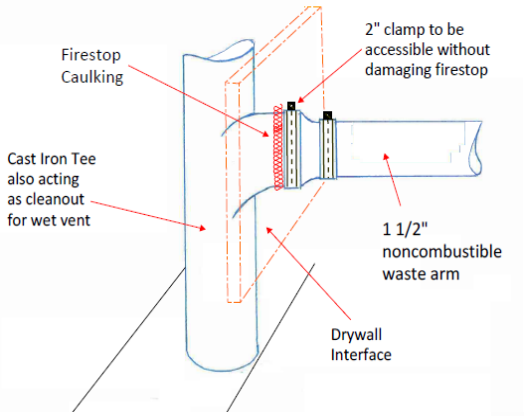
- **Jeff Ramey, Lubrizol,** Piping Systems Consultant, gave a power point presentation on "Risk Reduction of Legionella Growth in Piping Systems". Some of the highlights of the presentation were;
    - Teaching inspectors to inspect
    - Most common illness outbreaks involve potable water
    - Lower flow rates for, faucets, shower heads and fixtures contribute
    - Lower hot water tank temperatures
    - Bio film in piping harbours legionella
    - LEEDS = legionella enabled engineering design
    - 9 out of 10 outbreaks preventable with proper water management
    - Legionella is born in and exists in ponds and lakes
    - England prosecutes responsible parties for outbreaks, with no statute of limitations
    - Design Engineer is held accountable
    - C.D.C. (Center for Disease Control) has a "Tool Kit" for water treatment
    - MD 15161 – 2013 Control of Legionella in Mechanical Systems
    - At 68°F legionella can survive, 120°F is ideal for growth, 140°F takes 32 minutes to die and 158°F to kill legionella

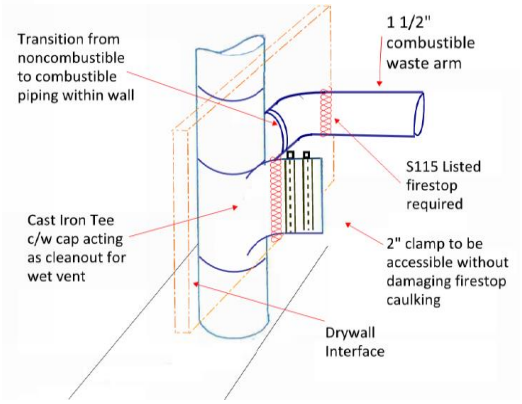
A question and answer period followed. The rise in recent years of the number of cases of legionella has been an unintended consequence of water conservation and low flow fixtures / faucets.

The Committee would like to thank Pat Maguire making the arrangements to have Jeff joins us and we would like to extend a special thank you, Jeff Ramey for taking the time out your busy schedule to come and talk us. It was greatly valued.

- **Cell Core PVC**, F3128 New Standard being developed for cell core DWV and is currently ongoing. Once "approved" the question put to the Committee is would it be accepted?
    - As the "Standard" would not be referenced in the Code
        - If the Standard is completed it may be included in the new Code to be released soon,
        - Or Buildings Standards Branch at some time when the Standard is approved releases an amendment to include the Standard
        - Failing the two approaches above with an approved Standard, an Alternative Solution can be applied for on each project.

- **Cast Iron Tees as Cleanouts**, Based on an old Interpretation P170 that is no longer on the books a drawing was presented to the members of the Committee for discussion which incorporated the use of the full bodied, 2" cast iron tee passing through the drywall to act also as the cleanout on the wet vent for a bathroom group. Two versions were presented shown with a non-combustible waste arm for use in a wall without a FRR and the second one shows an optional transition to combustible piping within a wall that has a FRR.





It was noted that a mock-up was constructed to test the ability to rod through the tee for cleaning purposes and it was found to be fully functional. The Code only requires that the "drainage" portion of

the plumbing system be accessible for cleaning. However it was found that rodding up through the tee was also possible in the event that a blockage should happen in the "venting" portion of the system.

The committee discussed these two configurations and their applictions and found them to be acceptable as an alternative. It was noted that the wet vent is to be roughed in as tight to the wall face as possible so that the tee branch extends throught the wall correctly without the use of an extension piece on the fixture arm portion or cap that is acting as the cleanout.

(5) OTHER BUSINESS

- **Cleanouts on Rain Water Leaders and Drain Tile Systems**
  - No Building Code requirement for cleanouts on the drain tile system
  - A survey of members present found almost as many different ways of handling the cleanouts on the rain water leaders.
  - Some are asking for clean-outs on each leader while some jurisdictions are asking for none.
  - *Permitted Size and Spacing of Cleanouts*, Table 2.4.7.2. is the only Code reference that would apply to "exterior" RWL's. For 3" & 4" piping C/O's would be required at the upstream end of the run, then every 15M downstream for one-way rodding.

- **Sewage Pumps**, what is the minimum tank size asked for?
  - **2.4.6.3.** requires that the tank be capable of receiving a minimum of a 24hr expected drainage load if the tank does not have automatic controls.
  - With automatic pumping there is no minimum sizing requirement.
  - Regardless of a power failure, whether it is a secondary suite or any other reasoning, the Code does not ask for more.

(6) NEXT MEETING:

The next meeting of the Committee will be held on Thursday, September 13, 2018, 1:30 p.m. in the **Clerks Meeting Room Burnaby City Hall, 4949 Canada Way, Burnaby, BC.**

(7) ADJOURNMENT:

The business of the meeting having been concluded, the Chairman adjourned the meeting at 4:00 PM