

Updates to HVAC

We would like to take this opportunity to remind our industry partners of the transition period end date for the **Alberta Building Code (ABC) 2014** implementation. **November 1, 2015** officially ends the transition to the new Alberta Building Code 2014. This date will also see the “coming into force” of the **National Energy Code of Canada for Buildings 2011**.

We thank you for your continued support through these transition periods and ask that you review the following items that are most frequently not in compliance with the ABC (top 10). Please review all code references and attached aides to assist in reducing the number of failed inspection processes and potential additional fees.

1. **Duct sizing** as per 9.33.4 or tables 9.32.3.11.A and 9.32.3.11.B [see 9.32.3.11 (9-12)]
2. **Flex duct installation**. Please see manufacturers installation instructions and 9.32.3.11(7)
3. **Roxul insulation as a thermal barrier**. Please see attachment of the listing. The Roxul must be installed in the application in which it was tested and listed. No other applications are acceptable.
4. **Fire damper installation**. Please see attachment from SMACNA.
5. **Primary fan location** not indicated. Please see bulletin.
6. **Incorrect fan wired as Primary** and thus non-compliant with tables 9.32.3.3, 9.32.3.10.A and 9.32.3.10.B. A result of not identifying the location at stack stage.
7. **No return air headers across stud spaces**. 9.33.6.13(5) Must be wood or tight fitting metal stops.
8. **Provisions for free flow of air**. See 9.33.6.12(3) undercut of doors, use of louvres or grills.
9. **Sealing of all ventilation system ducting joints**. 9.32.3.11(8) See attached STANDATA.
10. **HRV installations**. Please see the attached HRAI based checklist to aide in verifying the HRV has been installed correctly.
11. **Insulating supply ducting in the garage ceiling space**. Part 9.32.3.1.(1)(a) - refers to F326 Residential Mechanical Ventilation Systems. Where supply ducting is installed in an unconditioned space it must be insulated. 9.33.6.4.(5) – foamed plastic insulation shall not be used as part of an air duct or for insulating an air duct. Thus ducting running across an unconditioned garage ceiling space must be insulated prior to being covered with foamed plastic insulation.

In preparation for compliance to 9.36 (Energy Efficiency - Implementation Date May 1, 2016), Items 9 and 10 will be strictly enforced as of **December 1, 2015**.

Comments specifically to *non part 9* buildings;

1. Residential cooktop exhaust hoods are not permitted in any Commercial Cooking application.
2. Equipment and booths for spray applications (NFPA 33) must be approved for use in this application
3. Fire damper installations. Please see attachment from SMACNA

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7 attachments



HRAI Checklist.pdf
74K



STANDATA.pdf
44K

Roxul insulation as thermal barrier.pdf



344K



Fire Damper Installation Guide (SMACNA).pdf
1581K



code dates.pdf
433K



Primary ventilation Contractor Bulletin.doc
32K



ROXUL insulation as a thermal barrier.doc
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