

ACP NEWS

ACPNewsletterAUG08

ACP CONTRACTOR NEWSLETTER

**SPECIAL EDITION FOR HVAC
CONTRACTORS ONLY**

Application of ANSI Standard to HVAC Work

In September of this year, an ANSI (ANSI/ASQC Z1.4 – 1993 American National Standard – Sampling Procedure and Tables for Inspection By Attributes) standard will be applied to all ACP HVAC and to the remainder of ACP work by the end of this calendar year.

This ANSI standard is typically used in a manufacturing setting and is used essentially to conduct sampling in an environment where items are similar in scope. ACP fits nicely into this model as much of the work involved in the ACP environment is similar in scope. This model is highly reactive – defects found today will force additional inspections tomorrow.

The model will work as follows for ACP HVAC – keep in mind, HVAC work within ACP is assigned a 1:10 audit ratio

- Notification #1: Non-conformance found, another inspection within same batch will occur
 - Notification #2: Non-conformance found, two additional inspections within same batch will occur
 - Notifications #3 & #4: Non-conformance found on either one or both will force an inspection on the remaining six
- If the above situation presents itself, the next five batches will move to a 2:10 audit ratio, rather than the standard 1:10
- This process continues to repeat itself in every batch when non-conformances are identified
- Lastly, the system will look vertically at each batch (as described above), as well as horizontally across batches. So, if two batches out of five have one defective site, this will also force a 2:10 audit ratio for next five batches.

To remain at a 1:10 audit ratio – two of first four notifications out of the batch must be defect free.

IF AFTER READING THIS NEWSLETTER, YOU DO NOT UNDERSTAND THIS PROCESS, PLEASE CONTACT THE ACP OFFICE AT 1-800-249-4583 FOR A FURTHER EXPLANATION. Effective implementation date will be mid-September – a Newsletter will be sent in early September to advise exact date.

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Application of ANSI Standard to HVAC Work – Cont'd

- Once a 2:10 audit ratio is invoked and applied to next five batches, the Contractor will be required to do defect free work for all ten notifications.
- Failure to meet this requirement will force a 2:10 audit ratio for an additional five batches and failure to demonstrate that defect free work can be obtained, will force 100% inspections for next 30 notifications.
- All 30 will need to be defect free or the Contractor will be suspended from ACP.
- Reinstatement to ACP will require 30 notifications with no defective sites.

Permit Fees Associated with ANSI Standard

- First batch of ten, regardless of how many are inspected, will be charged the small job permit fee of \$25
- Once we move to 2:10: All notifications will be subject to a \$50 charge. This price is less expensive than the minimum fee of \$71 but nonetheless takes into account the additional ESA effort required due to the continuing discovery of non-conformances
- Once we move to 100% inspections: Full fees will apply (\$71 each notification)

The most common deficiencies issued on HVAC work in the past year are as follows:

CodeGroup	Code	CodeDesc
ESC23-12 0850	12-518	Support furnace drop cable
ESC23-10 0440	10-906(6)	Bond Receptacle to Box
ESC23-02 0590	02-034	OC prot req'd as per nameplate
ESC23-04 0300	04-034(1)	Colour White For Power
ESC23-10 0170	10-406(4)	Bond gas piping, min #6
ESC23-03 0360	SPE-1000(4.14.3)	Bushing /Openings
ESC23-12 0880	12-610	Arm'd cable, antishorts req'd
ESC23-26 0800	26-806(5,7)	Furnace Disconnect loc

Review this list and be certain your installations are done correctly to the Ontario Electrical Safety Code. If uncertain, contact your local Sr. Inspector.

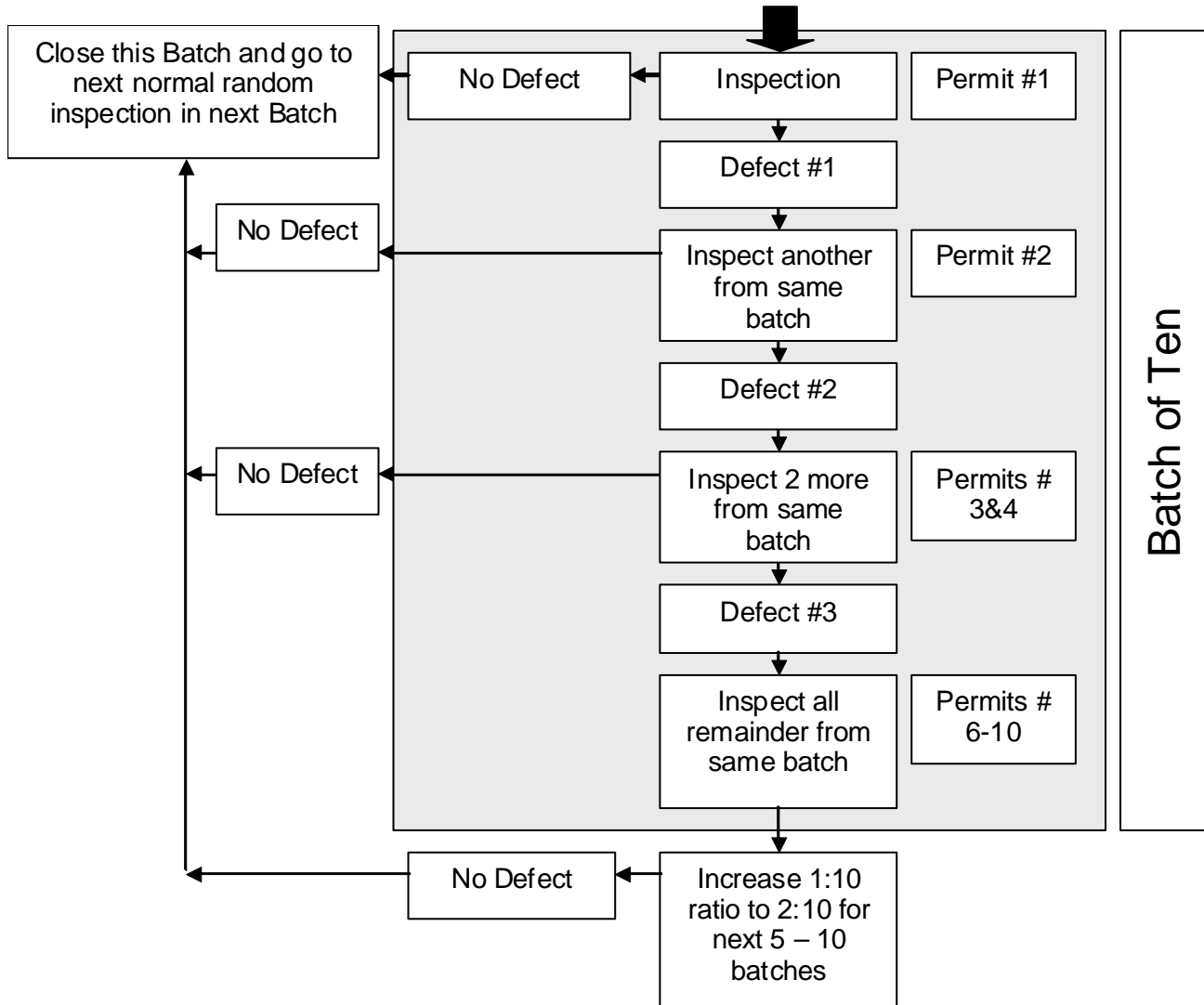
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The following chart demonstrates how the ANSI Standard will work when applied to ACP HVAC work:

1st Inspection Starts Here



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