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## 16-003 Bayside Anchor - Engineering Change

7 messages

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**Sonia Barrantes** <sonia.barrantes@ripcordengineering.com>

Sun, Sep 25, 2016 at 2:22 PM

To: Jeanie Bourke <JMB@portlandmaine.gov>

Cc: Jesse Thompson <jesse@kaplanthompson.com>, Sam Funari <sam@kaplanthompson.com>

Good Afternoon Jeanie,

I am writing to inform you that we have made an engineering change to the original design for Bayside Anchor. We have removed two fire dampers - one in the dryer fan exhaust duct, and one in the dryer make-up fan duct. (Please see attached MSK-14). Per the manufacturer, fire dampers are not allowed in the exhaust duct of their dryer exhaust fan.

Upon further code study, we removed both fire dampers based on IBC Sec. 717.5.4 Fire Partitions, Exception 4, where:

“Such walls are penetrated by ducted HVAC systems, have a required *fire-resistance rating* of 1 hour or less, and are in buildings equipped throughout with an automatic sprinkler system”

In addition, these ducts will have to comply with Sec 717.1.2.

I am happy to discuss with you at your convenience.

Sincerely,  
Sonia Barrantes

*Sonia Barrantes, P.E.*

(207) 331-7900

[sonia.barrantes@ripcordengineering.com](mailto:sonia.barrantes@ripcordengineering.com)

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### 2 attachments



Ripcord\_Logo copy 2.png  
7K



MSK-14\_16-09-21.pdf  
50K

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**Jeanie Bourke** <jmb@portlandmaine.gov>

Mon, Sep 26, 2016 at 1:07 PM

To: Sonia Barrantes <sonia.barrantes@ripcordengineering.com>

Cc: Jesse Thompson <jesse@kaplanthompson.com>, Sam Funari <sam@kaplanthompson.com>

Hi Sonia,

Thank you for sending this as built change, however, I am not able to find the code references you gave, are you using the 2009 IBC? Also, can you please clarify in your description that the MUA is for the laundry room, as opposed to the

dryer appliance?

Thanks much,

Jeanie

Jeanie Bourke  
Code Enforcement Officer/Plan Reviewer

City of Portland  
Permitting and Inspections Department  
389 Congress St. Rm 315  
Portland, ME 04101  
[jmb@portlandmaine.gov](mailto:jmb@portlandmaine.gov)  
(207)874-8715

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*Sonia Barrantes, P.E.*  
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**Sonia Barrantes** <[sonia.barrantes@ripcordengineering.com](mailto:sonia.barrantes@ripcordengineering.com)>

Mon, Sep 26, 2016 at 1:38 PM

To: Jeanie Bourke <[jmb@portlandmaine.gov](mailto:jmb@portlandmaine.gov)>

Cc: Jesse Thompson <[jesse@kaplanthompson.com](mailto:jesse@kaplanthompson.com)>, Sam Funari <[sam@kaplanthompson.com](mailto:sam@kaplanthompson.com)>

Good Afternoon Jeanie,

I am sorry - I was using the 2015 IBC!

Here are the corrected sections:

717.5.4 Exception 4 becomes 716.5.2 Exception 3.

717.1.2 becomes 716.1.1

The make-up air is into the laundry room, but it is specifically making up the air the dryers are removing. The fans are tied together and the make-up air fan matches the flow of the dryer exhaust fan.

Sincerely,  
Sonia



*Sonia Barrantes, P.E.*  
(207) 331-7900  
[sonia.barrantes@ripcordengineering.com](mailto:sonia.barrantes@ripcordengineering.com)

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Notice: Under Maine law, documents - including e-mails - in the possession of public officials or city employees about government business may be classified as public records. There are very few exceptions. As a result, please be advised that what is written in an e-mail could be released to the public and/or the media if requested.

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**Jeanie Bourke** <jmb@portlandmaine.gov>

Mon, Sep 26, 2016 at 2:31 PM

To: Sonia Barrantes <sonia.barrantes@ripengineering.com>

Cc: Jesse Thompson <jesse@kaplanthompson.com>, Sam Funari <sam@kaplanthompson.com>

Thank you Sonia, I hear the state adoption of the 2015 may now be delayed until January as opposed to this October.

I have a couple questions regarding these references:

1. For exception #3, can you please confirm that 26 gage thickness is continuous from the equipment to the outlet and inlet for the MUA?
2. Is the S-5 diffuser below the fire rated floor ceiling membrane, it does not show this on the M-100 plan.

Thanks,

Jeanie

Jeanie Bourke  
Code Enforcement Officer/Plan Reviewer

City of Portland  
Permitting and Inspections Department  
389 Congress St. Rm 315  
Portland, ME 04101  
[jmb@portlandmaine.gov](mailto:jmb@portlandmaine.gov)  
(207)874-8715

On Sun, Sep 25, 2016 at 2:22 PM, Sonia Barrantes <sonia.barrantes@ripengineering.com> wrote:

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*Sonia Barrantes, P.E.*  
(207) 331-7900  
[sonia.barrantes@ripengineering.com](mailto:sonia.barrantes@ripengineering.com)

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**Sonia Barrantes** <sonia.barrantes@ripengineering.com>

Mon, Sep 26, 2016 at 2:53 PM

To: Jeanie Bourke <jmb@portlandmaine.gov>

Cc: Jesse Thompson <jesse@kaplanthompson.com>, Sam Funari <sam@kaplanthompson.com>

Hi Jeanie,

I will confirm (the ducts have not been installed yet), but we have been using 26 ga. duct throughout the building. The S-5 diffuser is below the fire-rated floor/ceiling membrane.

Sincerely,  
Sonia



Sonia Barrantes, P.E.  
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**Sonia Barrantes** <[sonia.barrantes@ripcorderengineering.com](mailto:sonia.barrantes@ripcorderengineering.com)> Tue, Sep 27, 2016 at 8:57 AM  
To: Jeanie Bourke <[JMB@portlandmaine.gov](mailto:JMB@portlandmaine.gov)>  
Cc: Jesse Thompson <[jesse@kaplanthompson.com](mailto:jesse@kaplanthompson.com)>, Sam Funari <[sam@kaplanthompson.com](mailto:sam@kaplanthompson.com)>

Good Morning Jeanie,

We have confirmed that the ductwork is 26 ga. minimum thickness.

Sincerely,  
Sonia



Sonia Barrantes, P.E.  
(207) 331-7900  
[sonia.barrantes@ripcorderengineering.com](mailto:sonia.barrantes@ripcorderengineering.com)

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**Jeanie Bourke** <jmb@portlandmaine.gov>

Tue, Sep 27, 2016 at 10:52 AM

To: Sonia Barrantes <sonia.barrantes@ripcordengineering.com>

Cc: Jesse Thompson <jesse@kaplanthompson.com>, Sam Funari <sam@kaplanthompson.com>

Hi Sonia,

Thank you for confirming this, I will file this change in the approved permit folder.

Best,

Jeanie

Jeanie Bourke  
Code Enforcement Officer/Plan Reviewer

City of Portland  
Permitting and Inspections Department  
389 Congress St. Rm 315  
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