



Laurie Leader <lr@portlandmaine.gov>

FW: Further plan review comments

1 message

Tyler Barter <tbarter@oakpoint.com>
To: Laurie Leader <lr@portlandmaine.gov>

Mon, Jun 5, 2017 at 4:12 PM

Laurie,

Following up on a couple of the larger items from your list.

Below is the summary from Laura Clebak, our Fire Protection Engineer on the construction of the two hour firewall. Please let me know if this satisfies your question.

Regarding the toilet partitions, we spoke with a representative at the Access Board earlier today. He stated that there is no requirement that the Lav must be located within the single user toilet, only that if it is in the room, then all clearances need to be met. With that, I will update the individual toilet room dimensions to include the required turning clearances.


I will forward information on the remaining items as soon as I can. Thanks for the help,

Tyler

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 New-Logo-email



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From: Laura Clebak [mailto:lclebak@oakpoint.com]
Sent: Monday, June 5, 2017 3:49 PM
To: Tyler Barter <tbarter@oakpoint.com>
Subject: RE: Further plan review comments

Tyler,

IBC lists a double fire wall per NFPA 221 as an acceptable method to achieve structural stability beginning in 2012 (Section 706.2 of both 2012 and 2015). The 2009 IBC, Table 706.4 with footnote a, requires the fire wall to have a 2-hour rating. IBC does not discuss how the 2-hour rating is to be achieved. It is also silent on how to approach the rating of a double fire wall. Therefore, we have reviewed the requirements of NFPA 221 which have more detailed requirements of double fire walls. Per the 2015 NFPA 221, Table 4.5, states that for a double wall assembly when each wall has a 1-hour rating, this is equivalent to a 2-hour single wall. We believe this could be considered as an alternative method under the 2009 IBC, Section 104.11 with the NFPA 221 Table as supporting documentation.

Thank you,

Laura