



PARIC CORPORATION
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REQUEST FOR INFORMATION	DATE: May 11, 2016	NO.: RFI-068
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To: Cannon Design

Attn: Kelvin Patel

From: Paric Corporation

Requested By: Devin Gates

Project Name: Webster University Interdisciplinary Science Building Project No.: 15051

Subject: Floor drains at emergency showers

Response Required By: May 18, 2016

Drawing / Spec Reference:

Information Requested:

Webster Plumbing code requires a floor drain at emergency showers. See Amendment 411.2 of Webster Local Code (attached). Please clarify if floor drains will be required at each emergency shower.

Response:

Variance for 'exemption of requirement of floor drain at emergency showers' was accepted by the City of Webster Groves, see attached email correspondence and meeting minutes.

ARCHITECT'S RESPONSE:

This information is provided as an interpretation of the Contract Documents for implementation. It is not an authorization for change to the Contract Sum or Contract Time. If this information results in a claim for a change to the Contract, the Contractor shall notify the [Construction Manager][Architect] of a change through the change process.

Answered By: Kelvin Patel

Date: 05/12/2016

27.0400 Amendments to Chapter 4 – 2009 International Plumbing Code – Chapter 4 Fixtures, Faucets and Fixture Fittings.

411.2 Floor drains Required. A floor drain shall be located within ten (10) feet of an emergency shower. The drain shall be located in such a manner that the emergency shower will effectively flow to the floor drain.

Patel, Kelvin

From: Lynn Grossman <lgrossman@CANNONDESIGN.COM>
Sent: Friday, January 08, 2016 11:26 AM
To: 'Michael Whitworth'; Bill Shaw; Patrick Garner
Cc: Patel, Kelvin; Bacino, Richard
Subject: FW: FW: Minutes from the 12/17/2015 Meeting with the City of Webster Groves

See below for decisions by City of Webster on emergency shower drains and generator/fire pump.

Lynn Grossman, AIA, LEED AP

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T 314.425.8729 • M 314.288.5257

From: Mara Perry [mailto:perrym@webstergroves.org]
Sent: Friday, January 08, 2016 11:13 AM
To: Sr. Craig A. Miller <craigmiller29@webster.edu>
Cc: Grossman, Lynn <lgrossman@CANNONDESIGN.COM>; Bacino, Richard <rbacino@CANNONDESIGN.COM>; creehan@webster.edu; Michael Harney <harneym@webstergroves.org>; Tom Yohe <yohet@webstergroves.org>
Subject: Re: FW: Minutes from the 12/17/2015 Meeting with the City of Webster Groves

All,

I am so sorry it has taken so long to get back with you. I want to give very quick answers on both and we can follow up with additional information as needed.

1. Proposal is acceptable for the emergency shower drains.
2. The new pump will need to have the emergency power supplied by the building generator.

Again, I should be able to give more formal comments with more detail if needed but didn't want to hold up this process any longer. Let me know if you have any questions.

Mara

Mara M. Perry, AICP
Director of Planning and Development
City of Webster Groves
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Webster Groves, MO 63119
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perrym@webstergroves.org

>>> "Craig A. Miller, Sr." <craigmiller29@webster.edu> 1/5/2016 2:41 PM >>>
Happy New Year Ms. Perry,

Please see the attached meeting record (notes and drawings) from the 12/17/2015 meeting between the City of Webster Groves, Webster University, and CannonDesign regarding the Interdisciplinary Science Building. Have you and your team reached a conclusion on the two outstanding issues from the meeting? Both of these are noted in the meeting notes.

1. Drains at emergency showers in labs.
2. With more reliable power from the new substation, is the fire pump required to be connected to the emergency generator?

I look forward to your response. Have a wonderful evening!

Sincerely,

CAM Sr.

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MEETING NOTES

January 04, 2016

Client: Webster University

Project: Interdisciplinary Science Building (ISB)

Cannon Design #: 004561.01

Meeting Date: Thursday, December 17, 2015
City of Webster Groves Building Commissioner Meeting

Meeting Time: 2:00pm-3:30pm

Meeting Location: City Hall

Attendees: Craig A. Miller, Sr., Director of Facilities Planning, Webster University
Mara Perry, Director of Planning and Development, City of Webster Groves
Mike Harney, Building Commissioner, City of Webster Groves
Joe Rodriguez, Plan Reviewer, City of Webster Groves
Tom Yohe, Assistant Fire Chief, Webster Groves Fire Department
Rich Bacino, Project Manager, Cannon Design
Lynn Grossman, Project Architect, Cannon Design
Patrick Garner, Project Manager, William Tao & Assoc.

Meeting Subject/Agenda: Confirm building assumptions, review specific engineering questions for Webster University proposed ISB Building to City of Webster Building and Fire Department Officials.

Item	Topic of Discussion

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MEETING NOTES

January 04, 2015

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4. **Engineering Questions.**

Engineering questions reviewed at the meeting are attached. Below are responses:

1. Emergency Shower Drains: Will the City accept the use of the unedited International Plumbing code in regards to the floor drain requirement at each emergency shower?

Project team reasoning:

- The International Plumbing Code does not require floor drains near emergency showers.
- Floor drain traps would not receive water regularly without maintenance providing a risk of sewer gases being released into the building.
- Accidental chemical spillage nearby could unintentionally enter the sewer system through the floor drain.
- Floor drains will not accept water at the rate the shower will discharge meaning that the only potential use of the floor drain would be for cleanup. We don't recommend mopping potentially contaminated water directly into the sewer system as a method of cleanup.
- Webster University will have emergency shower procedures that do not include use of a floor drain.

Action Item: Under advisement to evaluate whether this proposal is acceptable (City of Webster Groves)

2. Fire Protection sprinklers under building overhang: Will the City require fire protection sprinklers under the overhang on the west end of the building.

Decision: Sprinklers will be required.

3. Fire Department hose connections at stairs: Should these be at intermediate or floor level landings? The EAB has hose connections at the floor level landings.

Decision: Hose connections should be consistent with the EAB – at floor level landings.

Engineering questions 4 and 5: City responses to engineering questions 4 and 5 are documented in meeting note items 1 and 2 above the Engineering Questions line item.

5. **Fire Pump and power supply.**

If the power supply is considered reliable, the code does not require the fire pump to be on generator backup. During the meeting it was discussed briefly how the new substation should significantly increase power reliability to the building but the City needed to review the issue further. The answer could affect the size, price, and location of the building generator. The Engineering team needs to know if the City of Webster Groves believes the power supply to the building is considered reliable.

Action Item: Advise whether the new building fire pump needs to have emergency power supplied by the building generator. (City of Webster Groves)

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MEETING NOTES

January 04, 2015

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To the best of my recollection, the above items were discussed. Should there be any additions or corrections, please advise CannonDesign within seven days. We will consider these meeting notes an accurate record for proceeding, unless informed otherwise as noted.

Prepared by,



Lynn Grossman, AIA

exhibits:

- Engineering Questions
- Working Code Compliance Plans G0201, G0202 and G0203
- Site and Floor Plan diagrams showing locations of FDC, Knox Box and Fire Alarm panels