

VARIANCE FEES

MGO \$50.00
COMM \$490.00
Priority - Double above

PETITION FOR VARIANCE APPLICATION

City of Madison
Building Inspection
Division
215 Martin Luther King Jr. Blvd.
Madison, WI 53703
(608) 266-4568

Amount Paid \$50.00 *11/18/10 FMR*

Name of Owner Otto C. Gebhardt, III	Project Description 8-story residential building with penthouse level and underground parking.	Agent, architect, or engineering firm Bark Design
Company (if applies) Capitol Spring, LLC		No. & Street 5540 Salter Court
No. & Street 222 North Street	Tenant name (if any) Humbucker	City, State, Zip Code Westport, WI 53597
City, State, Zip Code Madison, WI 53713	Building Address 1216 Spring Street, Madison, WI	Phone (608) 333-1926
Phone (608) 245-0753		Name of Contact Person Chris Gosch
e-mail gebhardtdevelopment@tds.net		e-mail chris@bark-design.com

1. The rule being petitioned reads as follows: (Cite the specific rule number and language. Also, indicate the nonconforming conditions for your project.)

See Attached.

RECEIVED

OCT 25 2010

**MADISON FIRE DEPARTMENT
ADMINISTRATION**

2. The rule being petitioned cannot be entirely satisfied because:

See Attached.

3. The following alternatives and supporting information are proposed as a means of providing an equivalent degree of health, safety, and welfare as addressed by the rule:

See Attached.

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NOV 10 2010

**MADISON FIRE DEPARTMENT
ADMINISTRATION**

Note: Please attach any pictures, plans, or required position statements.

VERIFICATION BY OWNER - PETITION IS VALID ONLY IF NOTARIZED AND ACCOMPANIED BY A REVIEW FEE AND ANY REQUIRED POSITION STATEMENTS.

Note: Petitioner must be the owner of the building. Tenants, agents, contractors, attorneys, etc. may not sign the petition unless a Power of Attorney is submitted with the Petition for Variance Application.

OTTO C. GEBHARDT III, being duly sworn, I state as petitioner that I have read the foregoing petition, that I believe it to be true, and I have significant ownership rights in the subject building or project.

Signature of owner <i>Chris Gosch</i>	Subscribed and sworn to before me this date: <i>November 5, 2010</i> My commission expires: <i>12/2/2012</i>
Notary public <i>Joseph W. Williams</i>	



NOTE: ONLY VARIANCES FOR COMMERCIAL CODES ARE REQUIRED TO BE NOTARIZED.

Name of Owner Otto C. Gebhardt, III	Building Location 1216 Spring Street – The Humbucker	Contact Chris Gosch – Bark Design
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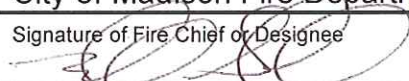
Fire Department Position Statement

I have read the application for variance and recommend: (check appropriate box)

Approval
 Conditional Approval
 Denial
 No Comment

Explanation for recommendation including any conflicts with other regulations and suggested conditions:

- If the water service was interrupted to this proposed building, the City of Madison Fire Department is capable of supplying the necessary water supply via the fire protection systems fire department connection.
- Madison Fire Department is currently proposing a Madison General Ordinance modifying this code section which would not require connection to two different mains for buildings similar to the current proposal at this site.
- Clarification: Madison Fire and our understanding from Water Utility is we would both be opposed to multiple sectional valves in the main line in street which could be the case if multiple high-rise buildings were constructed along adjacent parcels in the middle of a block.

Name of Fire Chief or Designee (type or print) Bill Sullivan, Fire Protection Engineer	
City of Madison Fire Department	Telephone Number 608-261-9658
Signature of Fire Chief or Designee 	Date Signed October 27, 2010

2013. This will leave only the 12 inch main to supply this area. This makes our original plan no longer a viable option; however the exception to Section 9.14.3.1.2 could still apply. The exception would involve tapping into the 12 inch main twice and installing an isolation valve between the two taps. During discussions with Bill Sullivan, the Fire Engineer with the Madison Fire Department, he stated the Fire Department and Madison Water Utility will not allow the isolation valve to be installed into the 12 inch main. The Fire Department is concerned that this valve could be accidentally left closed and would restrict the available water to the area. If the water in this area is restricted, it would hamper the Fire Department's ability to control a fire.

Without the isolation valve, we cannot meet the requirements or the exception of Section 9.14.3.1.2. Therefore, with agreement from Bill Sullivan, we propose a single tap into the 12 inch main to supply the fire pump in this building.

#3.

Our original design was based on the pressure and flow available from the 4 inch city main. By utilizing a single tap into the 12 inch city main we increase the available pressure and flow available to the fire pump. This will create an 11 psi safety factor in the automatic standpipe calculation. This will also provide a safety factor of 19 psi in all of the residential unit calculations. These pressures are above and beyond the minimums required by the City of Madison and NFPA 13.



J. F. AHERN Co.
MECHANICAL & FIRE
PROTECTION CONTRACTORS

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Madison, WI 53714-3101
(608) 216-0283 p • (608) 216-0284 f
www.jfahern.com

#1.

International Fire Code 2009 edition, Section 9.14.3.1.2 Water Supply to Fire Pumps:

Required fire pumps shall be supplied by connections to a minimum of two water mains located in different streets. Separate supply piping shall be provided between each connection to the water main and the pumps. Each connection and the supply piping between the connection and the pumps shall be sized to supply the flow and pressure required for the pumps to operate.

Exception: Two connections to the same main shall be permitted provided the main is valved such that an interruption can be isolated so that the water supply will continue without interruption through at least one of the connections.

Our plan does not conform to Section 9.14.3.1.2 because we intend for a single lead-in to be installed to supply the fire pump for this building.

#2.

The project site does not have access to two different city streets, so we cannot meet the requirements of Section 9.14.3.1.2. Currently there is both a 4 inch water main and a 12 inch water main that run parallel under Spring Street. Our original plan was to have a single tap into both the 4 inch and 12 inch mains. These two lead-ins would have isolation valves and would tie together before entering the fire pump room as a single lead-in. This plan was approved by the Madison Fire Department on September 28, 2010. On September 29, 2010 the project's architect, Chris Gosch had a conversation with Dennis Cawley with Madison City Engineering. According to Mr. Cawley, the 4" water main is going to be removed during reconstruction of Spring Street around the year