

Owner / Applicant Information

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Project Information

IU Ball Memorial 5 North
2401 University Ave

Muncie IN 47303

County DELAWARE

Project Type New ☐ Addition ☐ Alteration ☒ Existing ☐ Change of Occupancy ☐

Project Status ☒ U F=Filed U or Null=Unfiled

IDHS Issued Correction order? ☐ Has Violation been Issued? ☐

Violation Issued by: NA

Local Building Official

Phone: Email:

Local Fire Official

Phone: Email:

Variance Details

Code Name: Other Code (Not in the list provided)

2014 InBC Section 717.6.1

Conditions: A shaft enclosure will not be provided for the duct penetrating the floor assembly between floors 5 and 6. Code requires any duct penetrations of fire rated floor assemblies in I-2 occupancies be enclosed within a shaft. The duct will be enclosed in a shaft on the 4th floor.

DEMONSTRATION THAT PUBLIC HEALTH, SAFETY, AND WELFARE ARE PROTECTED:

1=Non-compliance with the rule will not be adverse to the public health, safety or w

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2= Applicant will undertake alternative actions in lieu of compliance with the rule to ensure that granting of the variance will not be adverse to public health, safety, or welfare. Explain why alternative actions would be adequate (be specific).

Facts: 1. A fire damper will be provided where the duct penetrates the floor assembly between floors 5 and 6.
2. The building is provided with a sprinkler system throughout.
3. The design complies with Section 5.3.2 of NFPA 90A-2012 Standard for Installation of HVAC Systems, as required by CMS and ISDH.
4. Similar variances have been granted in the past on other healthcare facilities (17-06-14, 18-02-04, 18-08-29, 19-05-32).

DEMONSTRATION OF UNDUE HARDSHIP OR HISTORICALLY SIGNIFICANT STRUCTURE:

Y

Imposition of the rule would result in an undue hardship (unusual difficulty) because of physical limitations of the construction site or its utility services.

Imposition of the rule would result in an undue hardship (unusual difficulty) because of major operational problems in the use of the building or structure.

Y

Imposition of the rule would result in an undue hardship (unusual difficulty) because of excessive costs of additional or altered construction elements.

Imposition of the rule would prevent the preservation of an architecturally or a historically significant part of the building or structure

Facts: The hardship is the physical limitations of the layout and the cost to redesign the layout and reroute the duct. The ductwork penetrates the 5/6 floor assembly, redirects and penetrates the 4/5 floor assembly at a different location. This occurs in 2 locations. The design, without the shaft enclosure, complies with the Life Safety Code as required by CMS and ISDH.