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Project Information

Butler University Sciences Additions and Renovations
4600 Sunset Avenue

Indianapolis IN 46208

County MARION

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

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

IDHS Issued Correction order? ☒ No Has Violation been Issued? ☒ No

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)
707.6, 2014 IBC

Conditions: The 2-hour fire barrier separating the 3rd floor from the vertical opening (2-story lobby) connecting the 1st and 2nd floor levels will have a nonrated glass wall in lieu of a prescriptive fire-rated assembly.

The project involves construction of a 3-story + lower level addition that will connect two (2) existing ca. 1970 buildings. The project includes significant renovation of all floors of Gallahue Hall, and the 1st and 2nd floors of Holcomb Hall. The building will be classified as A-3 and B Occupancies, and Type IB Construction.

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. The glass wall will be protected on the room side with a row of sprinklers spaced 6 feet on center, located at the ceiling level within 12 inches of the glazing. The demand for the sprinkler curtain will be added to the demand for the ceiling sprinklers.

2. The addition + existing building will be protected throughout with an automatic sprinkler system per NFPA 13.

3. Similar variances have granted previously for openings in fire-rated walls with a rating of 2 hours or more, including 19-07-52c, 18-08-35c, 18-02-55c, 17-11-68a, 18-02-28b, 19-05-71b, 16-10-33b, and 15-11-28a.

DEMONSTRATION OF UNDUE HARDSHIP OR HISTORICALLY SIGNIFICANT STRUCTURE:

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

☒ Y 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.

☐ 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 glass wall is an important feature of the design of the student study room, providing natural light to this interior room.

Variance Details

Code Name: Other Code (Not in the list provided)
3104.5, 2014 IBC

Conditions: The existing pedestrian walkway connecting existing Gallahue Hall to adjacent Jordan Hall is not separated with a rated separation at the Gallahue connection. Current code requires a 2-hour rated separation at each end.

The project involves construction of a 3-story + lower level addition that will connect two (2) existing ca. 1970 buildings. The project includes significant renovation of all floors of Gallahue Hall, and the 1st and 2nd floors of Holcomb Hall. The building will be classified as A-3 and B Occupancies, and Type IB Construction.

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 draft curtain 18 inches in depth will be provided at the Gallahue Hall connection to the pedestrian walkway, with a row of sprinklers spaced 6 feet on center, located at the ceiling level within 12 inches of the draft curtain. The demand for the sprinkler curtain will be added to the demand for the ceiling sprinklers.

2. Gallahue Hall and connected Holcomb Hall (along with the addition) will be protected throughout with an automatic sprinkler system per NFPA 13. The pedestrian walkway will also be sprinkler-protected as part of this project. The existing buildings are not currently sprinklered.

3. A new set of 90-minute rated doors will be provided at the connection to Jordan Hall.

4. Similar variances have granted previously a draft curtain with sprinklers to separate a pedestrian walkway at one or both ends, including 18-11-52a, 18-10-45, 18-01-28, and 16-11-29b.

DEMONSTRATION OF UNDUE HARDSHIP OR HISTORICALLY SIGNIFICANT STRUCTURE:

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

☒ Y 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.

☐ 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: Providing rated doors at the connection is not feasible due to existing ramp conditions.

