

Owner / Applicant Information

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Project Information

STEM Teaching Lab
XXXX N. University St

West Lafayette IN 47907 -

County TIPPECANOE

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: 2014 IBC
1022.5

Conditions: In addition to the required swinging exit door(s) into and out-of the exit enclosure, a fire-rated rolling door will also be installed at the basement, second, third, and fourth floor levels. Section 1022.5 does not allow a door opening(s) other than the required exit door(s) within an exit enclosure.

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
- 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: The proposed rolling fire-doors within exit enclosure will be three-hour motorized door assemblies with UL smoke seals. The rolling fire- door(s) will be automatic closing upon smoke detection at the floor level entrance to the enclosure per the Indiana Building Code.

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 fire-rated rolling door(s) opening into the two hour fire-rated exit enclosure will allow more open passage and regular use of the stairway. It is the opinion of Purdue University that the alternatives provide an acceptable level of safety.