

Owner / Applicant Information

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NOTRE DAME IN 46556

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Project Information

Morrissey Hall Selective Renovations
University of Notre Dame

Notre Dame IN 46556

County ST JOSEPH

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

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

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

Violation Issued by: NA

Local Building Official

Phone: 5742359554

Email: cbulot@southbendin.gov

Local Fire Official

Phone: 5742359554

Email: bharris6@nd.edu

Variance Details

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

2010 NFPA 72, 21.2.4

Conditions: A new machine room-less elevator is being installed in an existing dormitory. Code requires fire alarm control panel relays to be located within 3 feet of the elevator controller. The controller of a machine room-less elevator is in the elevator jamb at the top landing, which would require the relays to be located in the elevator lobby. The fire alarm control panel relays were installed in a room adjacent to the elevator and are approximately 15 feet away from the elevator controller.

The project involves renovation of the existing dormitory. The building is 5 stories in height + basement, and is Type IIIB Construction. The building is classified as R-2 Occupancy (student housing) with A Occupancy uses.

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: The code limits the distance between the relay and controller in order to reduce the potential for interruption of power. The relays are installed adjacent to an elevator disconnect switch in a room immediately adjacent to the elevator shaft. The door to the room is self-closing and locking to restrict access for authorized personnel only, therefore the potential for interruption of power is limited.

The building is protected throughout with an automatic sprinkler system in accordance with NFPA 13.

The room will be labeled as a control room.

Based upon the relays being located in a room with restricted access this condition is not adverse to public health, safety, or welfare.

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: Relocation of the fire alarm control panel relays will be a spatial challenge with existing structural member locations and will result in additional cost to relocate, this is an additional burden to the project which is currently over budget.

Variance Details

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

2014 IBC, 509.4.2

Conditions: The door to the laundry room in the basement will not be provided with a closer. Based upon the laundry room exceeding 100 square feet it is required to be separated from the rest of the building by construction capable of resisting the passage of smoke and the door must be either self- or automatic-closing. The closer on this door results in a requirement for a 12

be either self- or automatic-closing. The closer on this door results in a requirement for a 12 inch clearance on the push side of the door, which cannot be provided due to the thickness. The project involves renovation of the existing dormitory. The building is 5 stories in height + and structural integrity of the existing basement walls. basement, and is Type IIIB Construction. The building is classified as R-2 Occupancy (student housing) with A Occupancy uses.

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 building is protected throughout with an automatic sprinkler system in accordance with NFPA 13.
2. The existing building has a fire alarm system with smoke detection in the social spaces, corridors, and resident rooms.
3. Variances have been granted to permit closers to be omitted from resident dorm rooms at UND as well as other dormitory facilities.

DEMONSTRATION OF UNDUE HARDSHIP OR HISTORICALLY SIGNIFICANT STRUCTURE:

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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.

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

Facts:

The existing wall is 19.25 inches thick and with furring it is approximately 21 inches thick. The door opening was widened to provide a 3' door, but cannot be widened further to provide the 12 inch clearance due to the existing wall being a bearing wall. The structural engineers are concerned that providing larger openings will effect the structural integrity of the building. Centering the door within the wall also does not fix the problem due to the thickness of the wall exceeding 8 inches on each side of the door.