

Owner / Applicant Information

Karyn Bostic
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Project Information

Broadway Christian Church
910 Broadway

Fort Wayne 46802

County ALLEN

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

Project Status ☒ F 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: ASME A17.1-2007/CSA B44.7-07
2.15.9.2(a)

Conditions: Reduced car apron height for the Schindler 3300 NA
For elevator application in Europe the use of a car apron with a length of 750 mm is standard. According to clause 2.15.9.2 b of the A17.1-2007/CSA 8,44-07 a minimum length of 1220 mm is required. All other requirements of clause 2.15.9 are fulfilled.

For hydraulic elevators also a smaller apron can be used.

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 existing elevator pit is only 4 ft deep, code requires a 5 ft deep pit.

Based on the GESR's a risk assessment in compliance with ISO 14198 is made. Based on the risk assessment the following steps are taken to mitigate the risks involved:

Door restrictor is provided (safety parameter 3.3.4.1), this ensures that the car doors cannot be opened more than 100mm from the inside unless the car is within 250 mm of the landing floor.

Unintended car movement protection and the emergency brake stops the car before the sill is more than 750 mm above the landing

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.

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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:

Due to the elevator shaft being added to the outside of an existing building, in order to obtain the depth of the pit required by code, this would involve digging under the foundation of the building, which would impede on the structural integrity of the building, not to mention the tremendous cost involved to make these changes.