Owner / Applicant Information

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550 CONGRESSIONAL BOULEVARD

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Project Information

Crawford Door Redevelopment Building 2
1701 North Heidelbach Avenue

Evansville IN 47711

County VANDERBURGH

Project Type New [Y] 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: [8124356325] Email: [snbegeman@evansville.in.gov]

Local Fire Official

Phone: [8124356325] Email: [EGENTRY@EVANSVILLEFIREDEPARTMENT.COM]

Variance Details

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

3004.1, 2014 IBC

Conditions: Elevator hoistway venting will not be provided for the elevator serving the 4-story building. An elevator with four (4) or more stops requires hoistway venting where the building contains an R Occupancy.

The building is classified as R-2 Occupancy and Type VA 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

[1]

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 2015 International Building Code eliminated the requirement for venting of elevator hoistways.
2. Reference to hoistway venting has been eliminated from the 2010 Edition of the ASME A17.1, Safety Code for Elevators and Escalators.
3. Elevator hoistway vents, when opened, could potentially draw smoke and heat into the elevator hoistway.
4. The building will be protected with an automatic sprinkler system. Recent studies indicate that sprinklered buildings do not pose a threat for smoke and heat spread through elevator shafts.
5. Similar variances have been granted, including 26-07-01d, 26-04-65g, 25-10-50j, 25-08-28e, 25-08-46d, 25-08-38a, 25-08-65d, 25-06-03g, 25-03-10k, 25-01-05h, 25-01-37d, 24-07-05d, 24-05-61i, 24-06-04f, 24-03-60g, 23-04-29g, 22-05-19c, 22-04-36d, 22-02-27, 20-02-54f, 20-01-57a, 19-12-63c, 19-10-48c, 19-09-69a, 19-09-68c, 19-08-96c, 19-07-17, 19-06-51b, 19-05-68, 19-04-53, 19-03-54c, 18-08-14c, 18-06-60f, 18-04-28, 18-04-25, 17-09-38b, 17-09-52, and 17-09-62d.

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: Venting of elevator hoistways is a vestige of decades-ago theories about smoke spread in nonsprinklered buildings. The intent of hoistway venting in previous codes is not clear. In addition to potentially drawing smoke into the hoistway from the building, hoistway venting also has a detrimental effect on energy conservation. In addition to potential adverse affects noted, hardship is the cost to install and maintain elevator vents.