Owner / Applicant Information

Alex Blake

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SUITE 150
LAFAYETTE IN 47905

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Submitter Information

Madison Ewing
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Project Information

Anvil 26 Apartments
2600 SOUTH ST

Lafayette IN 47904

County TIPPECANOE

Project Type New [Y] 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: 7658071043 Email: jpburks@lafayette.in.gov

Local Fire Official

Phone: 7658071043 Email: TABUDD@LAFAYETTE.IN.GOV

Variance Details

Code Name: ANSI ASME A 17.1-2007

2.20.1,2.20.4,2.20.9.1-2 2.18

Conditions: ANSI ASME A 17.1-2007
Schindler Elevator will utilize 6mm steel wire governor rope instead of the required diameter of 9.5mm per Section 2.18.5., this cable meets ASME code Section 2.18.5.1 Factor of Safety.

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 elastomeric coated elevator suspension is designed to conform with ASME A 17.1, 2010 and ASME A 17.6, 2010 and is ANSI
AECO certified to ASME 17.7, 2007. The 17.7 ANSI AECO certification was submitted to Mr. John Haines on December 6, 2010.
The suspension members and its terminations have a factor of safety equivalent to the factor of safety for the same suspension capacity as specified in ASME A 17.7, 2007.
2) The 6mm steel governor rope is designed to conform with ASME A 17.7, 2010 and ASME A 17.6-2010 and is ANSI AECO certified to ASME A17.7, 2007. The A17.7 ANSI AECO certification was submitted to Mr. John Haines on December 6, 2010. The rope has a factor of safety 29 which is approximately six times the minimum factor of safety of 5 for 9.5mm governor ropes in ASME A 17.1 .. 2007.

*Schindler will provide the tooling and training for State inspectors to conduct the required inspections of equipment.

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.

[ ] 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: Excessive cost for construction for equipment using steel ropes suspension and governor ropes covered under A17 1-2007

1) The elastomeric coated elevator suspension, terminations, and its monitoring is designed to conform with ASME A 17.1, 2010 and ASME A 17.6, 2010 and is ANSI AECO certified to ASME A 17.7, 2007. The A 17.7 ANSI AECO certification was submitted to Mr. John Haines on December 6, 2010 and is updated in this submission. The suspension members and its terminations have a factor of safety equivalent to the factor of safety for the same suspension capacity as specified in ASME A 17.7, 2007.
2) The 6mm steel governor rope is designed to conform with ASME A 17.1, 2010 and ASME A 17.6-2010 and is ANSI AECO certified to ASME A17.7, 2007. The A17.7 ANSI AECO certification was submitted to Mr. John Haines on December 6, 2010 and updated in this submission.