Owner / Applicant Information

Jake Martin

233 SE 3RD ST

EVANSVILLE IN 47713

Phone 8162602390

Email VANIKA.SPENCER@SCHINDLER.COM

Submitter Information

Vanika Spencer

1926 Innerbelt Business Center

St. Louis IN

Phone 8162602390

Email vanika.spencer@schindler.com

Project Information

BOWEN OFFICE ADDITION
233 SE 3rd St

Evansville MO 47713

County VANDERBURGH

Project Type New [Y] 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: [8124367818] Email: [snbegeman@evansville.in.gov]

Local Fire Official

Phone: [8124367818] Email: [radams@evansvillefiredepartment.com]

Variance Details

Code Name: ASME A17.1 2007

2.20.1,2.20.4,2.20.9 1,2.18.5

Conditions:

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 A 17.7, 2007. The A 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 17.1, 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. The rope has a factor of safety 29 which is approximately six times the minimum factor of
safety of 5 for 9.5mm
qovernor ropes in ASME A 17.1 .. 2007.

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:

Excessive cost for construction for equivalent 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 17.1,
2007. 2) The 6mm steel governor rope is designed to conform with ASME A 17.7, 2070 and ASME A
17.6-2070 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.
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.

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.

☐ 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: It would not be possible to utilize a 3/8" governor rope on this system. Switching to a different product type to accommodate the governor rope would add over 40% to the elevator cost