Owner / Applicant Information					
Owner / Applicant Information					
Duke Energy Cayuga Generaling Station					
3300 N STATE RD 63					
CAYUGA IN 47928					
Phon∈ 7654924657					
Email ANDREW.WOESTMAN@DUKE-ENERGY.COM					
Submitter Information					
Nestor Rodriguez					
Alimak Hek Inc.					
25 Brook Street Suite 200					
Shelton IN					
Phone 2035133170					
Email nestor.rodriguez@alimakhek.com					
Project information					
Cayuga Elevator Installation					
3300 N State Rd 63					
Cayuga CT					
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: 7654927628 Email: tsboaff@dbs.in.gov					
Local Fire Official					
Phone: 7654927628 Email: tjwilson56@yahoo.com					

## Variance Details

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

ASME A17.1-2007 5.7.12.2

Conditions: The elevator meets all other requirements of the applicable elevator code ASME A17.1-2013 Part 4.1 and exceeds the requirements for rack & pinion type special purpose personnel elevators as seen in ASME A17.1-2013 Part 5.7, which is it's intended use and design and similar to units which have been allowed at these industrial type sites.

## 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 proposed elevator will have a platform area of 43.6 ft<sup>2</sup> and capacity of 4400 lbs., which exceeds the code allowed 13 ft<sup>2</sup> and 1000 lbs. The unit is within the permitted speed and the load is based on a design of 137 lbs/ft<sup>2</sup>, which exceeds the code allowed minimum of 70 lbs/ft<sup>2</sup>. The elevator is not for general public use and is accessed only by authorized plant personnel who need the additional size and capacity for tools and equipment used in the routine inspection and maintenance of the plant. The Industrial elevator will service 3 landings in a travel distance of 143¿-6 3/4¿ and is located on the exterior of a structure in an open hoistway with no penetrations of fire rated floors or walls.

## 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 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.



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: The elevator will be outdoors, therefore fire/heat detection would be unnecessary because of the outdoor environment.