

Owner / Applicant Information

Douglas Marsh  
University of Notre Dame  
200 FACILITIES BUILDING

NOTRE DAME IN 46556

Phone 5746317900

Email MARSH.14@ND.EDU

Submitter Information

Christina Collester  
RTM Consultants, Inc.  
6640 Parkdale Place

Indianapolis IN

Phone 3173297700

Email collester@rtmconsultants.com

Project Information

Elevator Machine Room Extinguishers  
100 Maintenance Center

Notre Dame IN 46556

County ST JOSEPH

Project Type New  Addition  Alteration  Existing  Change of Occupancy

Project Status  U F=Filed U or Null=Unfiled

IDHS Issued Correction order?  No Has Violation been Issued?  yes

Violation Issued by: SBC

Local Building Official

Phone:  Email:

Local Fire Official

Phone:  Email:

Variance Details

Code Name: Other Code (Not in the list provided)  
2011 IESC, 8.6.1.6.5

Conditions: Minimum 10 lb. Class 2ABC fire extinguishers are required in elevator electrical machine rooms.  
  
Notre Dame University uses CO2 Fire extinguishers in elevator machine rooms. See attached list for locations.  
  
This variance is for elevator machine rooms constructed after to 12/2002 where the elevator code of record required ABC extinguishers

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 welfare.

2

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 owner has provided CO2 extinguishers in all elevator machine rooms for consistency.  
  
The CO2 Fire Extinguisher discharges as a white cloud of "snow" which smothers a fire by eliminating its oxygen. It is effective for Class B flammable liquid fires and Class C Live electrical equipment fire and is electrically non-conductive. CO2 is a clean, non-contaminating, odorless gas, safe for use electronic equipment. CO2 extinguishers leave no residue.

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: The elevator code made the change to require ABC extinguishers to address the use of elevator machine rooms for purposes other than elevator machine rooms, even though the elevator code prohibits this.  
  
Notre Dame has a strict inspection and enforcement program in place which allows for the CO2 extinguisher which is a better choice for the given hazard.

Variance Details

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

2011 IESC, 8.6.1.6.5

Conditions: Minimum 10 lb. Class 2ABC fire extinguishers Are required in elevator electrical machine rooms.  
  
Notre Dame University uses CO2 Fire extinguishers in elevator machine rooms. See attached list for locations.  
  
This variance is for elevator machine rooms constructed prior to 12/2002 where the elevator code of record did not require ABC extinguishers

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

2

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 owner has provided CO2 extinguishers.  
  
The CO2 Fire Extinguisher discharges as a white cloud of "snow" which smothers a fire by eliminating its oxygen. It is effective for Class B flammable liquid fires and Class C Live electrical equipment fire and is electrically non-conductive. CO2 is a clean, non-contaminating, odorless gas, safe for use electronic equipment. CO2 extinguishers leave no residue.

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: The elevator code made the change to require ABC extinguishers to address the use of elevator machine rooms for purposes other than elevator machine rooms, even though the elevator code prohibits this.  
  
Notre Dame has a strict inspection and enforcement program in place which allows for the CO2 extinguisher which is a better choice for the given hazard.

