

Owner / Applicant Information

David Byers
Tippecanoe County Commissioner
20 NORTH THIRD STREET

LAFAYETTE IN 47901

Phone 7654239215

Email DBYERS@TIPPECANOE.IN.GOV

Submitter Information

Dennis Bradshaw
Fire Protection & Code Consultants, LLC
1520 Main Street

Indianapolis IN

Phone 3174865188

Email dennisb@fpccllc.com

Designer Information

Nick Davis
Browning Day Mullins Dierdorf
626 North Illinois Street

Indianapolis IN

Phone 3176355030

Email ndavis@bdmd.com

Project Information

Tippecanoe County Fairground Improvements Project Phases 2,3
1406 Teal Road

Lafayette IN 47905

County TIPPECANOE

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:

Email:

Local Fire Official

Phone:

Email:

Variance Details

Code Name: Other Code (Not in the list provided)
602.1 and Table 601, 2014 IBC

Conditions: A new sprinklered coliseum building of Type I-B construction will have a portion of it's non-rated roof structure located less than 20 feet (14 feet) above the floor below and will have exposed steel columns. The code requires the entire roof structure to be not less than 20 feet above the floor below to permit a non-rated structure. The code requires the columns to be protected with a one-hour fire resistance rating.

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: 1. The building will be protected by an automatic fire sprinkler system designed per NFPA 13, 2010 Edition.
2. The sprinkler density and spacing in the areas where the roof is less than 20 feet above the floor will have it's density and spacing increased from Ordinary Hazard Group 1 to Ordinary Hazard Group 2.
3. The exposed steel columns will be protected by additional sprinkler heads located at the columns designed to protect the columns.
4. Similar variances have been granted for other projects.

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: The owner's undue hardship is the cost to provide and maintain fireproofing on the exposed steel roof structure and the exposed steel columns.