## Owner / Applicant Information

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## Submitter Information

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## Project Information

Indiana Wesleyan University-Revobot Lab
4514 S Adams St

Marion IN 46953 -

County GRANT

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: 7656629931 Email: jdickerson@cityofmarion.in.gov

## Local Fire Official

Phone: 7656629931 Email: beckstein@cityofmarion.in.gov

Variance Details

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

675 IAC 12-6-11b

Conditions: A new metal shipping container, to be modified by Revobots and approved as a modular structure by State of Indiana, is proposed for permanent use as a robotics laboratory. The container measures 8'-0" x 40'-0" and will be classified as a Class I Structure for Business Occupancy. Per Indiana Building Code 2014, Section 101.8, and 675 IAC 12-6-11, shipping containers are not an approved building material. International Building Code 2021 has formally incorporated storage containers as a building construction type and has been adopted by multiple states such as Oklahoma, Texas, and South Carolina.

DEMONSTRATION THAT PUBLIC HEALTH, SAFETY, AND WELFARE ARE PROTECTED:

[1]

1=Non-compliance with the rule will not be adverse to the public health, safety or w

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 shipping container will be designed and constructed to provide equivalent protection of public health, safety, and welfare through the following measures. Code-compliant foundation and anchorage for applicable loads. Compliance with applicable fire, life-safety, egress, accessibility, electrical, mechanical, and plumbing requirements. Inspection and approval by the applicable authorities having jurisdiction.

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.

[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 proposed modular structure provides the College with a dedicated location for its robotics laboratory and supports a program in which the College has already made a significant investment in partnership with Revobots. At this time, there is no other feasible location on campus capable of accommodating the lab and its operational requirements. Denial of the variance would create a significant operational hardship by preventing the College from utilizing the existing investment and providing the planned robotics program on campus. It is known that other variances have been granted to allow shipping containers to be recognized as a building material.