

The Use of Prefabrication in Obtaining LEED Certification

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Prefabricated Components



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We are no stranger to the variety of benefits prefabricated components provide to the cost, schedule, and quality of a construction project. My goal for my senior research project, however, is to look at whether or not these benefits impede or convenience receiving LEED accreditation. Contractors are free to achieve a variety of LEED credits that will set their building apart but has the prefabricated industry grown and become sustainable enough to be a reliable way of achieving such credits. Through this research, it was determined that the ideal way to achieve LEED credits is utilizing this method in as many aspects of the building process as possible. Benefits discussed by the general contractors and the research included an expedited development process, increased customization, increased structural reliability, and a reduced environmental impact.

Key Words: Prefabrication, Panelization, LEED, LEED Certification
Sustainable Building

Data Collection:

My data will be collected through the use of a comprehensive literature review and an online survey administered to construction industry professionals familiar with Prefabrication.

Methodology: Qualitative, Case Study

Aim/Goal:
Research and determine how and if prefabricated construction components can be utilized in achieving LEED accreditation

