

THE RELATIONSHIP BETWEEN BIM AND ELECTRICAL PREFABRICATION



Examples of prefabricated electrical items



Recently, with the help of Building Information Modeling, prefabrication has become popular amongst electrical subcontractors. This report dives further into the relationship of the two counterparts and analyzes what allows the relationship to be successful. Currently, little information has been published regarding how Building Information Modeling and electrical prefabrication play off of each other. This report serves to provide information to electrical subcontractors that are either looking to start prefabricating or further their prefabrication methods. Analytical methods used consist of online research combined with interviews from three different people and three different electrical subcontracting firms. All interviewees hold different job titles and have an extensive background in electrical prefabrication. Through research and interviews it becomes evident that prefabrication completely relies on Building Information Modeling, and in most cases cannot be completed without some type of modeling. As Building Information Modeling continues to develop it increases potential for what can be done with electrical prefabrication. This project implies that any company looking into prefabrication needs to have an active BIM department.

Keywords: Building Information Modeling, prefabrication, subcontractor, electrical, firms



What does an electrical BIM model look like?

