Value Add-In: Using Revit Add-Ins for Electrical Construction

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The Problems at Hand

DATA IMPORT AND EXPORT
We have all of the data in the world, but what do we actually do with it and is the model the best place for all or just some of that?

THE MODELER LABOR SHORTAGE
There is an under the radar labor crisis in construction and that is the difficulty in finding skilled modeling/detailing labor. What can digital tools do to help?

WHAT CONTENT TO USE
I’ve got more submittals than I know what to do with. What is the best way to reconcile those documents with the modeled content?

FABRICATION DETAILS
Models are pretty and all, but they come with a goal in mind. How do you meaningfully extract and present fabrication details?
BIM Panel Stats

100% DATA
Importing and exporting data from and to the model?

16 MODELERS
Average in-house modelers?

100% LABOR SHORTAGE
Experiencing a shortage of skilled labor in the market?

15% ADDIN % OF BUDGET
Percentage of software cost spent on addins?
BIM Panel Stats

- **INTERNAL CONTENT CREATION**: Are you developing your own content, buying content, or a blend of those?

- **INTERNAL/BOUGHT CONTENT**: 50%

- **MANUAL FAB DRAWINGS**: Are you manually generating fabrication shop details or are you using something to aid in that process?

- **MANUAL/AUTOMATED FAB DRAWINGS**: 50%
Data Import and Export

We have all of the data in the world, but what do we actually do with it and is the model the best place for all or just some of that?
The Modeler Labor Shortage

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What Content to Use

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Fabrication Details

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Electricity is really just organized lightning

George Carlin