How to Train the Workforce to Use Prefab

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Session Topics

- Detailed work breakdown structure and risk analysis for opportunity selection.
- Layout and design of Process of Prefabrication, overall for the company and for a specific project.
- Developing an information feedback loop and tracking of prefab payoffs.
- Product development and production management concepts to be used for optimizing the integration of what is built and what is installed.

What Can Be Prefabbed?
For Reference of NECA 2015 San Francisco Attendees Only

10/5/2015

Electricians' Time

Material Handling
- Congestion Delays
- Weather Delays
- Lack of Tools or Information
- Rework

Unproductive Time

Job Site Clutter Reduces Productivity
Receiving & Unloading

Working Around Stored Material
Material Handling is:

1. Ordering
2. Receiving
3. Waiting
4. Unloading
5. Sorting
6. Moving to accommodate jobsite
7. Returns
8. Delivery mistakes
9. Dealing damages
10. Storage to be used later

Using Work Breakdown Structure to Identify Opportunities to Externalizing Work® through Fabrication, BIM, VMI
Why a Work Breakdown Structure?

- Visualize the work
- Communicate across the project team on the work
- Make sure nothing is left out, and everything adds up
- Define lowest level of detail where resources can be applied
- Translate from project-level to technician-level

Involve Project Team
What Do I Need to Start My Prefabrication

Start With:

- Ask Your Electricians in the Field About Their Needs
- Identify the Types of Work
- Prefabrication Shop
- Inventory Mgt.
- Procurement Mgt.
- Vendor Relationship Mgt.
Process of Prefab

Prefab Tracking & Feedback
Track the Impact of Prefab on Productivity

What is Affecting the Productivity?
Production & Installation Integration and Optimization

Training Starts with Explaining How Prefab Will Provide:

- Safer environment
- More reliable installation
- More predictable outcomes
- Controlled environment
- Manpower allocation / buffer
- Reduced project duration
- More work
Thank You!

Questions?

Don’t forgeté
À 10:15 -11:30 am Special Session: Life on the Rock
À 11:30 am - 4:00 pm NECA Show Hours