



NECA
PHILADELPHIA
SEPT 29-OCT 2, 2023

**DESIGN, FABRICATION,
INSTALLATION:**
*LEAN & PRODUCTIVITY
SAVINGS
METHODOLOGIES*




BILL MCNAMARA
**DEWALT ANCHORS &
FASTENERS**

TRADE SHOW EDUCATION

This session is eligible for 1 Contact Hour.

For these hours to appear on your certificate, you must:

- Have your badge scanned at the door
- Attend 90% of this presentation
- Fill out the online evaluation for this session

INTRODUCTION



BILL MCNAMARA
PRODUCT MANAGER

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AGENDA

- LEAN OVERVIEW** 01 Why and How
- DESIGN** 02 Phases, Routes
- FABRICATION** 03 Processes
- INSTALLATION** 04 Field Involvement through Completion
- TAKEAWAYS** 05 Measurable Success

**MEASURABLE
PROCESSES
ADAPTATION**



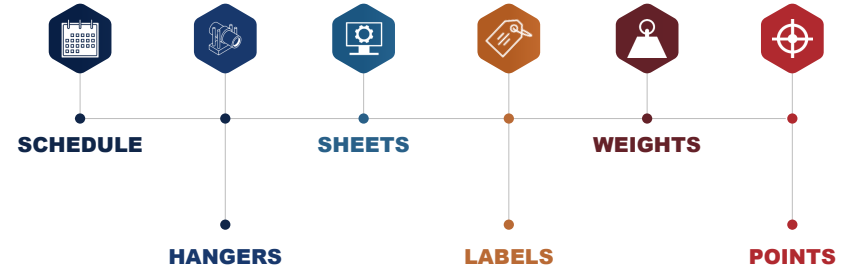

LEAN PRINCIPLES FOR NECA CONTRACTORS



FORWARD-THINKING SOLUTION SETTING



DESIGN PHASE



MODELING INVESTMENT TO PROJECT COMPLETION VALUE

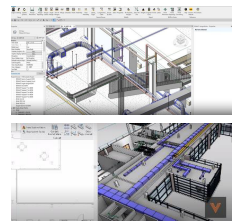


DESIGN: AVENUES, OPTIONS, FACTORS

CONSIDERATIONS /AVENUES



OPTION EXAMPLES



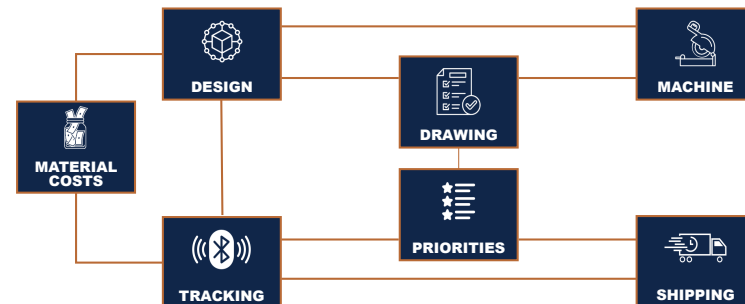
MAIN FACTORS

- MANPOWER**
- SPEED OF SCHEDULE**
- TYPE OF PROJECT**

TYPE, TALENT, TIME



FABRICATION: PROCESSES



SHOP LAYOUT & INVESTMENT



FABRICATION: PROCESSES

-  **Reduce Labor Risk**
-  **Safety First**
-  **Costs**
-  **QC**

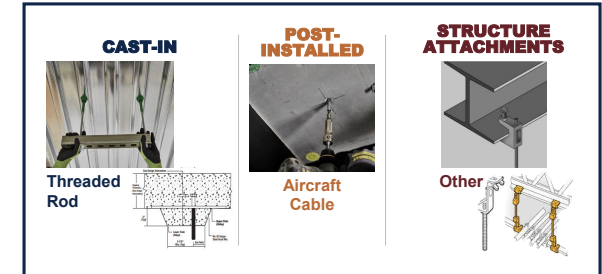


PULL FROM FAB TO FIELD



INSTALLATION: INVOLVEMENT THROUGH COMPLETION

-  **Project Types**
-  **Schedule/GC**
-  **Approvals, Building Codes**
-  **Comfortability & Relationships**



SCHEDULE AND TRAINING



INSTALLATION: INVOLVEMENT THROUGH COMPLETION



PROCESS ALIGNMENT



CASE STUDY: Parsons Electric/Archkey Solutions



KEY TAKEAWAYS

- Analyze and refine Hanger installation process
- Transitioned field work to fabrication shop
- Minimal workflow changes with maximum process outcomes
- Reduced on-site labor rates with less labor lift usage joining safety with profitability
- Significant time savings using DEWALT Push-In Couplers vs. thread in product*



DEWALT **CONSTRUCTION TECHNOLOGY**

ELECTRICAL CONTRACTOR PRODUCTIVITY SOLUTIONS

DESIGN OF ANCHORS AND FASTENERS



HangerWorks PRO **DDA**
DEWALT DESIGN ASSISTANT

Design and Specification of Anchors, Hanging and Seismic Bracing

PREFABRICATION MANAGEMENT



MSUITE

MEP Modeling, Spooling, Automation, Machine Control and Progress Tracking

ANCHOR PORTFOLIOS

Post Installed Anchors **DEWALT**
ANCHORS & FASTENERS



Cast in Place Anchors Direct Fastening



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THANK YOU

DEWALT
ANCHORS & FASTENERS

DEWALT
CONSTRUCTION TECHNOLOGY



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