

Lean Construction Institute

Building Knowledge in Design and Construction

Please comply with the Lean Construction Institute's Usage Policies and Attribution Guidelines at http://www.leanconstruction.org/usage.pdf when using this file. Thank you.

Lean Transformation

Value Stream Mapping Across an Organization



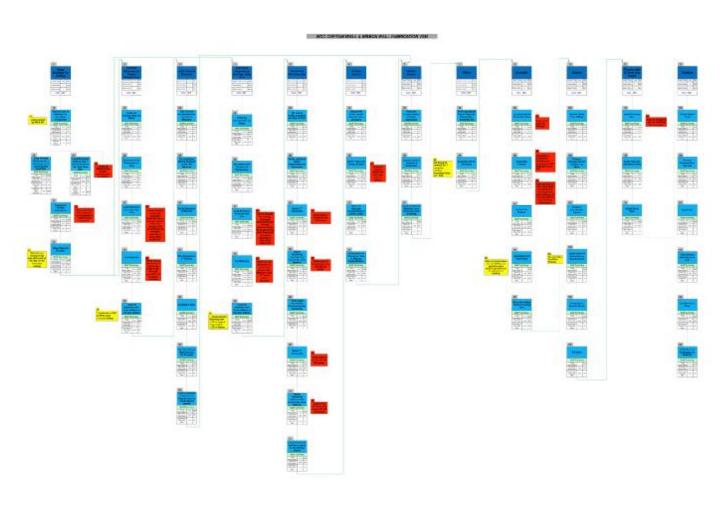


Our Five Year Lean Journey

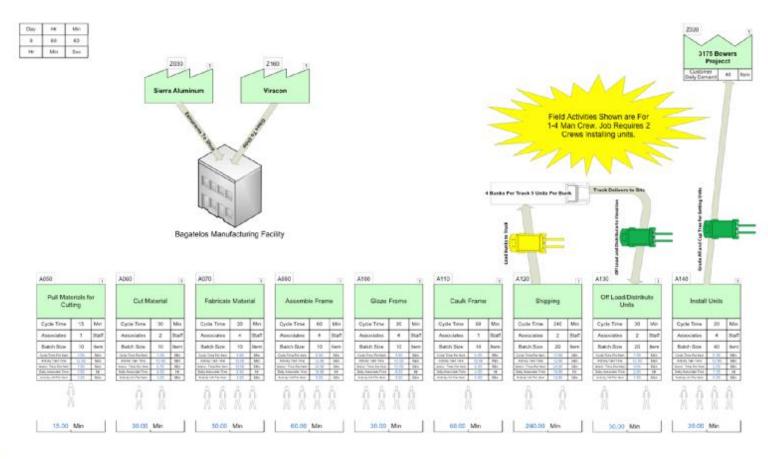
- 5S program "Just get started"
- Top down support with company wide buy in – "Scotty becomes a believer"
- Standardization through Mapping –
 "This is not a car"
- The Role of Innovation and Continuous Improvement – "You are creative"



VSM for Fabrication



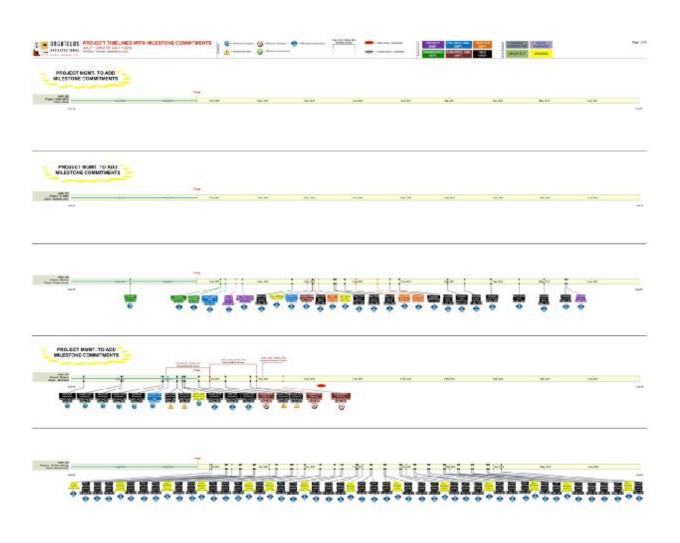
VSM for Field Installation



| Time Summary | | | |
|----------------------|--------|-----|--|
| Load Time | tige | Dw | |
| Total Value Added | 985.00 | Mir | |
| Yake Added Famori | 100.00 | 5 | |
| Teld Time | 12.00 | Me | |



Project Timelines

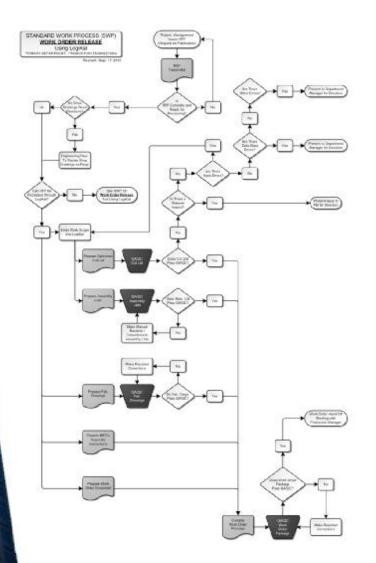




Constraints on Timeline



Work Order Release BIQ and QA/QC Process





PROJECT NAME

BUILT IN QUALITY (BIQ)
PRODUCTION ENGINEERING
WORK ORDER RELEASE

TASKS TO BE DONE (FIRST TO BE CHECKED)

1 There all purtinant information on the Farm bean filled out? If not, get from Project Manager.

| | Cutting List / Optimization DATE | | |
|---|--|-----------------|-----------------|
| | TASKS TO BE DONE (STEPS TO BE CHECKED) | todia: simplete | Initial Impacts |
| 1 | Have all system extrasives been accounted for I if not, are there exclusions per Project Hanager (bregitt out and pre- pairs about? | | |
| ž | Have all lengths been strake: checked against Assembly List (shap assembled)? or Shep Drovings (field assembled)? | | |
| 3 | Pill the void at each end of the head, still intermediate transoms and viryl receives with 791 before attacking to the jumbs. | | |

Assembly List
TASKS TO BE DONE (ITEMS TO BE CRECKED)

Indicate the Committee of the Committ

Sepplemental Fob Drawlings

TANKE TO BE DONE (TRINS TO BE CHECKED)

Have all Cut Size dimensions been double checked against latest and greatest Shop Drawlings or CAD detailed layout crawings)

Average I Robches/Mitters been double checked against latest and greatest Shop Drawlings and/or firstaliation Namual (if provided))

Have all econocinis that meed to be pre-applied to main bodies (humonists & verticals) been double checked against latest land greatest Shop Drawlings?

| | TABLE TO BE DONE (TRIMS TO BE CHECKED) rigus Parts been identified (grouped) and double checked against latest and greatest librar Drawings, Assembly | Solital simpleds | India busels |
|------------------|--|------------------|--------------|
| | rique Parts seen identified (grouped) and double chacked against latest and greatest likes Drawings, Assembly | | |
| p. rec. acceptor | Falt Deawings (if previded)? | | |
| | | | |
| | | | |



Questions?





ALIGNMENT . PLANNING . FACILITATION . TRAINING