

Pilot Study: Applying Lean to Factory Home Building

U.S. Dept of Housing and Urban Development,
Manufactured Housing Research Alliance



Pilot Study: Applying Lean to Factory Home Building (Paperback)

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Bibliogov, United States, 2013. Paperback. Condition: New. Language: English. Brand New Book
****** Print on Demand ******. Lean production is an approach to manufacturing that strives to
eliminate all kinds of waste (time, money, materials, etc.) while creating a culture within the plant of
continuous improvement. Lean processes have long been used in other industries, notably
automotive, to improve quality while reducing the overall cost of production; however, they are
relatively new to the factory built housing industry. Nine manufactured and modular home
production plants were trained and coached in the implementation of lean production methods to
their manufacturing facilities. Representatives from each plant attended a week-long training
workshop on lean production conducted by the Manufactured Housing Research Alliance (MHRA).
Following the workshop, researchers from MHRA helped plant employees analyze their production
process using a lean production tool known as value stream mapping. Value stream mapping
helped the plants identify waste and target specific portions of the production process for intensive
improvement activities known as rapid process improvement (RPI) events, conducted with MHRA
support.



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