Lean Home Building
An Unusual Example
Video Information

- This is one of two videos to use
- The video can be purchased from the Building Industry Association of San Diego
  - https://secure.newhomesdirectory.org/BIA SD/Registration/video_order.asp
- The condensed 12 minute DVD version is recommended for this module
Learning Objectives

At the end of this module, you will be able to

• Identify lean practices

• Estimate the value and benefit in removing waste or time from a process
Lean Home Building – The Task

• We all have some idea of what it takes to build a house

• For this example we need to build a typical three bedroom suburban house with a two stall garage on a flat lot. It will have a slab-type foundation with embedded utilities.
Lean Home Building – The Requirement

- Use only conventional technologies
- Start with a flat lot with all materials, tools, and labor available
- Eliminate all non-value-added work and wait time
- Finished state will be ready to move in
  - Carpeting down
  - Appliances installed
  - Lawn and Shrubbery planted
Lean Home Building – The Question

• Estimate the shortest time you think it will take to do this task

• Divide into groups of four and take five minutes to develop your estimate

• Report your estimate to the class
While Watching the Video

• Look for Lean Practices
  • Example is communication systems

• Be prepared to develop a comprehensive list with your group and report your observations to the class
Watch the Video
Which Team had the Closest Estimate?
Talking About It

• Take five minutes with your group to develop your list of observed Lean Practices
• Share with the class
• Do you know of any similar examples,
  • Within your industry?
  • Within other industries?
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