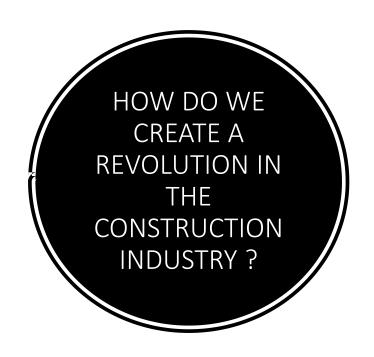
Introduction:

- Jason Landry
- 25 Years in the Engineering and Modular Industry Experience
- 11 years as Director of Engineering at Modular Manufacturer
- Past 4-1/2 years as a Consultant for the Modular Industry
- Expertise in the Design, Engineering, Inspection, and Overall Completion of Modular Buildings





MASS PRODUCTION AND CUSTOMIZATION

LET ME SHOW YOU MY FAVORITE EXAMPLE THAT DEMONSTRATES MASS PRODUCTION AND CUSTOMIZATION TO THE HIGHEST LEVEL

FORD F-150



BEST SELLING TRUCK IN THE UNITED STATES FOR 42 YEARS BEST SELLING VEHICLE IN THE UNITED STATES FOR 33 YEARS

Why Is This A Great Example of Mass Production and Customization?











XLT

LARIAT

KING RANCH







LIMITED



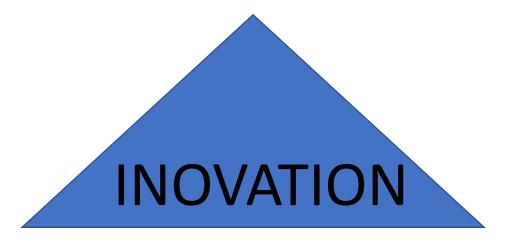
RAPTOR



STANDARDIZATION

CUSTOMIZATION

EDUCATION



STANDARDIZATION

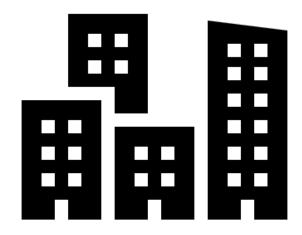


Details Accessibility items Fire rated assemblies **Cross sections** 4. Products Plumbing fixtures **Electrical Fixtures**

CUSTOMIZATION

1. Options / Trim Packages

- Affordable / Standard / Luxury
- Technology Packages
- Energy Packages



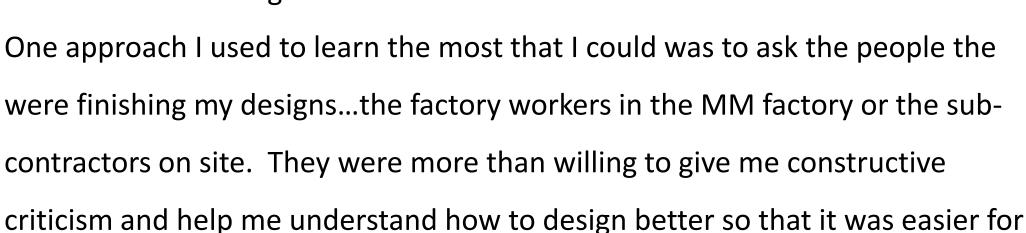
2. Exterior and common areas

 Encourage the architect to focus on the exterior and the common spaces. These are the areas that are most visible to the public and the architect of record can focus on them. Let the MM focus on the unit layouts for they have built them many times.

EDUCATION

- 1. Developers
- 2. Design Professionals
- 3. Contractors /sub-contractors
- 4. Collaborative Learning

them to construct.



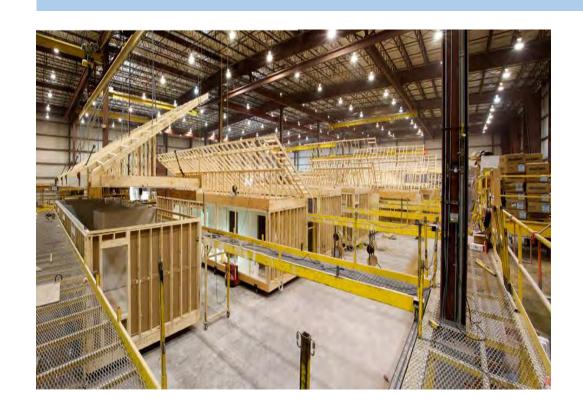


INOVATION

- 1. How to produce more product
- 2. How to develop new methods and materials
- 3. How does the construction industry embrace technology



Why Does Modular Production Lend Itself To Mass Production & Customization?





Modular Production and Mass Production and Customization:

Mass Production

- Assembly Line Process
- Standard Parameters Box widths, lengths, heights, framing, MEP
- Standard Materials

Customization

- Trim levels Affordable, Standard, Luxury
- Option packages, Tech or "Green" packages
- Ability to supply the client with any option they want (almost)— knowing that it comes with a cost premium

Standard Modular Design Elements – Custom Elements













Summary:

The construction industry **NEEDS** to implement the use of technology and mass production to become more efficient and productive

- Labor shortages will drive this change
- Education will help point us in the right direction
- Technology will aid in the growth of the mass production

