
FRAMING THE
AMERICAN DREAM
What We Learned
STICK BUILT VS. COMPONENT

What is the Project?

- The Framing the American Dream project set up two controlled experiments:

One in 1995 in the parking lot of the Houston Astro Arena adjacent to the Houston Astrodome

Another in 2015 in a neighborhood in Jackson, Wisconsin.

- In each experiment, two identical buildings were framed, providing an apples-to-apples comparison of stick and component framing methods.

What Did We Learn?

FRAMING THE AMERICAN DREAM

1995

	STICK BUILT	COMPONENT	SAVINGS
TOTAL JOBSITE HOURS TO ERECT	401 HRS	148 HRS	253 HRS
TOTAL JOBSITE WASTE GENERATED	17 CUBIC YDS	4 CUBIC YD	13 CUBIC YDS
TOTAL BOARD FOOT LUMBER/EWP	20,400 BD FT	15,100 BD FT	5,300 BD FT

2015

	STICK BUILT	COMPONENT	SAVINGS
TOTAL JOBSITE HOURS TO ERECT	375.5 HRS	152.1 HRS	223.4 HRS
TOTAL JOBSITE WASTE GENERATED	15.0 CUBIC YDS	0.5 CUBIC YD	14.5 CUBIC YDS
TOTAL BOARD FOOT LUMBER/EWP	20,643 BD FT	15,052 BD FT	5,591 BD FT

What Did We Learn?

You can build 2 1/2 more houses with the same crew using Structural Building Components.

Using Components creates 30x less waste.

Using Components uses 25% less wood product.

What Did We Learn?

- The Framing the American Dream study shows that a crew can frame ***two and half homes*** with structural building components in the time it takes to stick-frame one house.

What Did We Learn?

- The Framing the American Dream study shows that it takes ***25% less wood product*** to frame a structure using components.

What Did We Learn?

- The *Framing the American Dream* study shows that a stick-framed house creates nearly ***30 times more jobsite waste*** than a component-framed house.