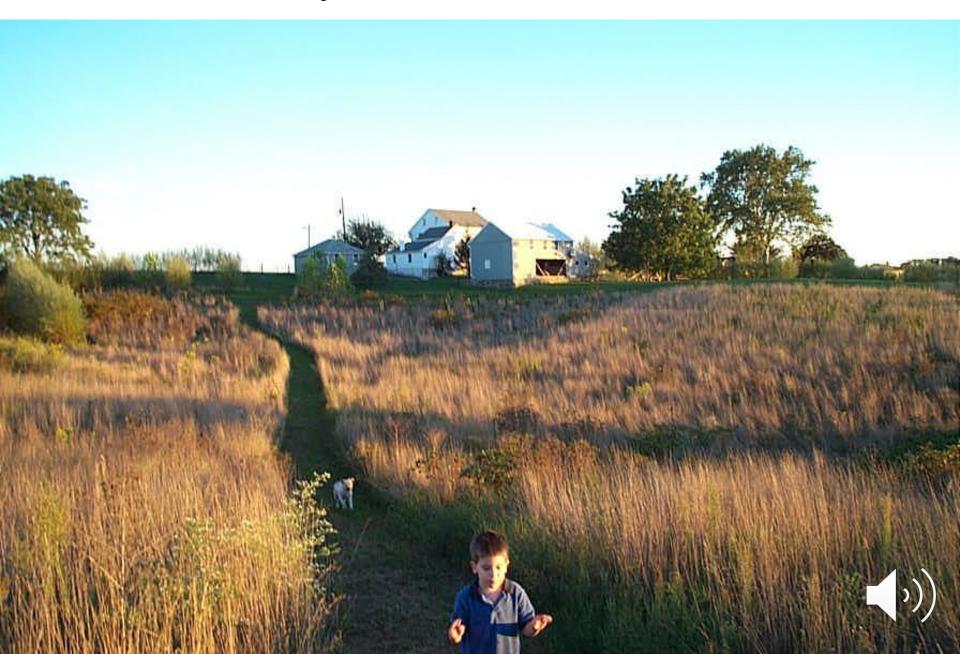
Skeleton Beneath the Skin; The Bones of Barns and Farmhouses

JT Wunderlich PhD





1877 Wunderlich Pennsylvania farmhouse and barn



- 1877 Pennsylvania farmhouse and barn
 - Built in 1877 (when Frank Lloyd Wright was 10 years old)



Post & Beam Mortise & Tenon



1877 Wunderlich Pennsylvania farmhouse and **barn** (Post & Beam, Mortise & Tenon construction)





























1877 Wunderlich Pennsylvania **farmhouse** and barn (Post & Beam, Mortise & Tenon construction)



selected design
DESIGN CHOICE 3











































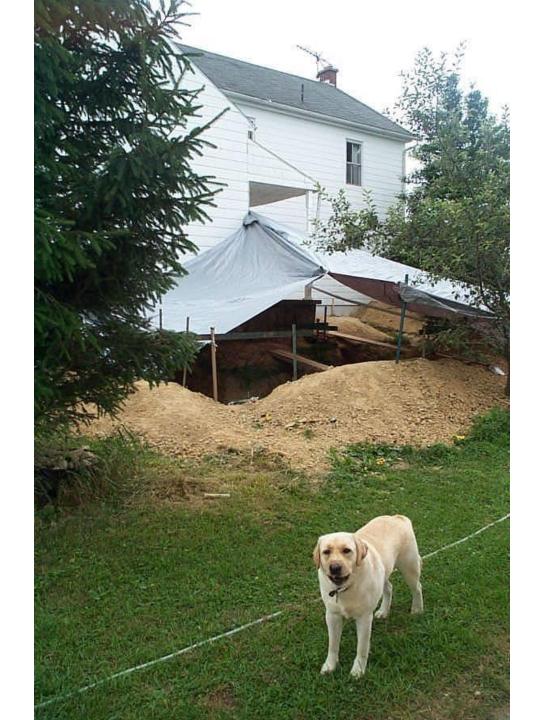


























Pennsylvania **farmhouse** and barn

1877 Post & Beam, Mortise & Tenon



Pennsylvania **farmhouse** and barn

1877 Post & Beam, Mortise & Tenon



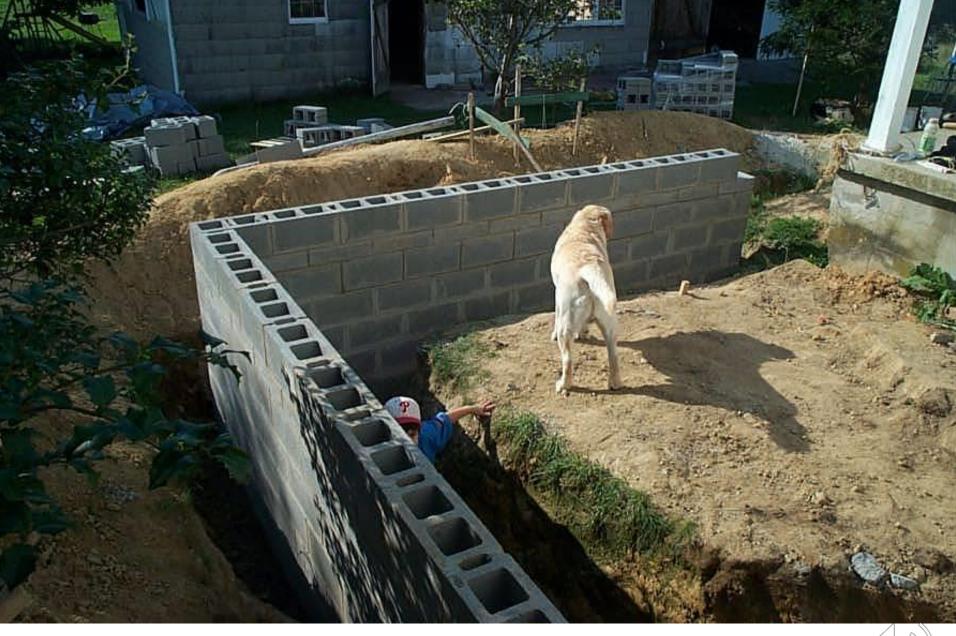






























































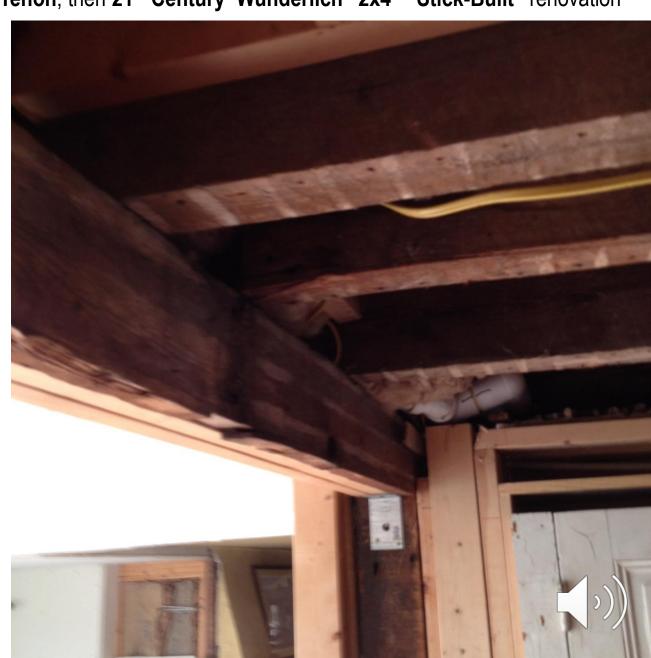






Pennsylvania **farmhouse** and barn

1877 Post & Beam, Mortise & Tenon, then 21st Century Wunderlich "2x4" "Stick-Built" renovation

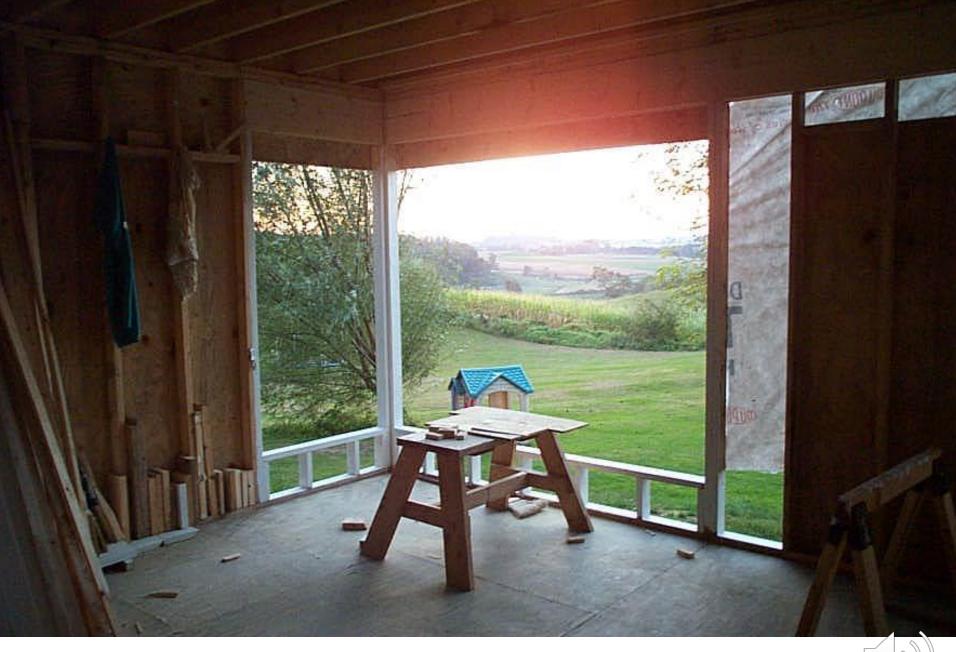
















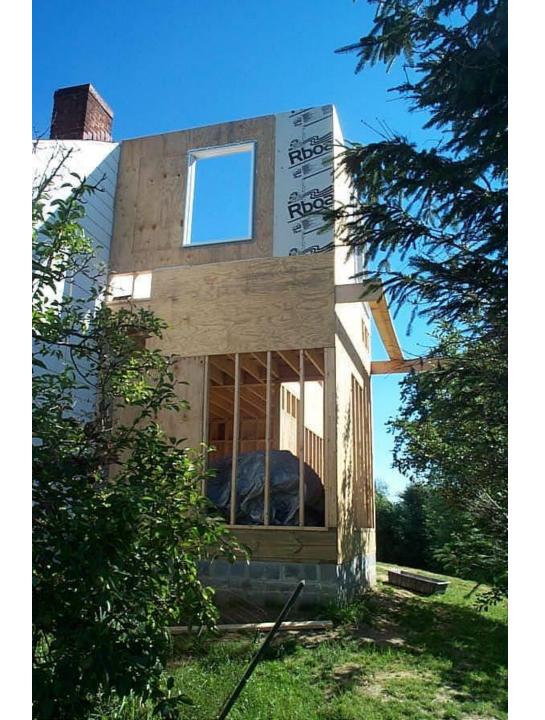
























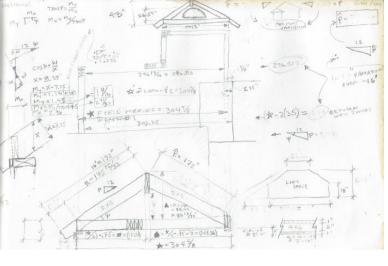








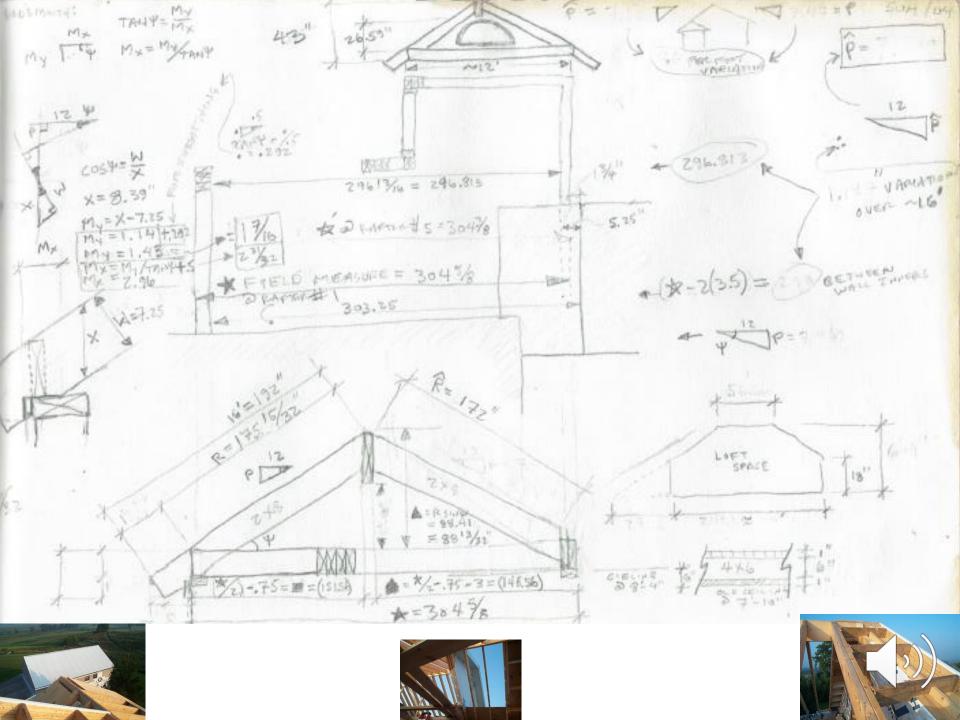


















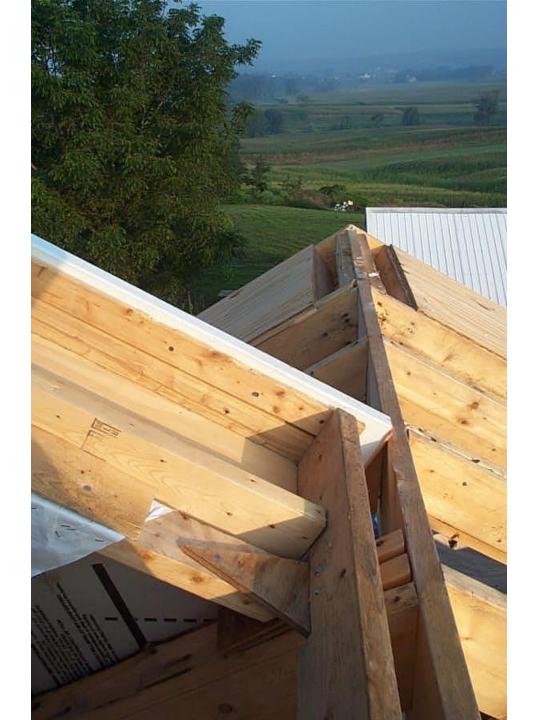




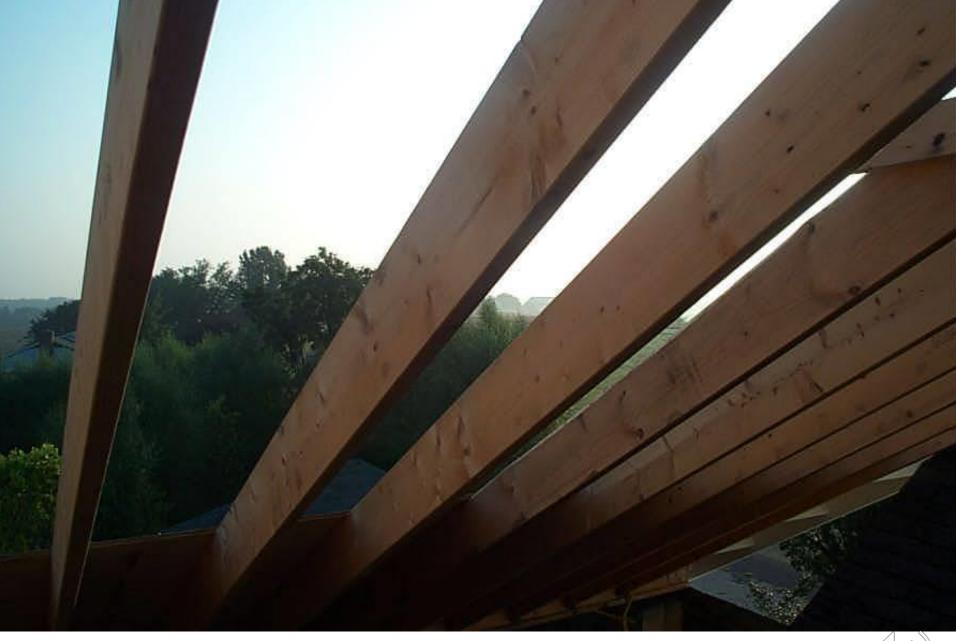




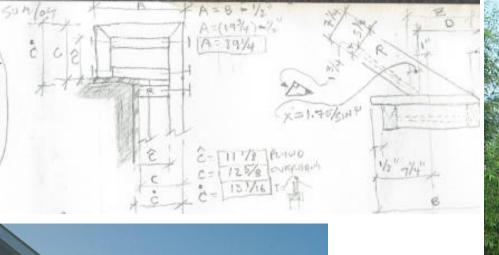






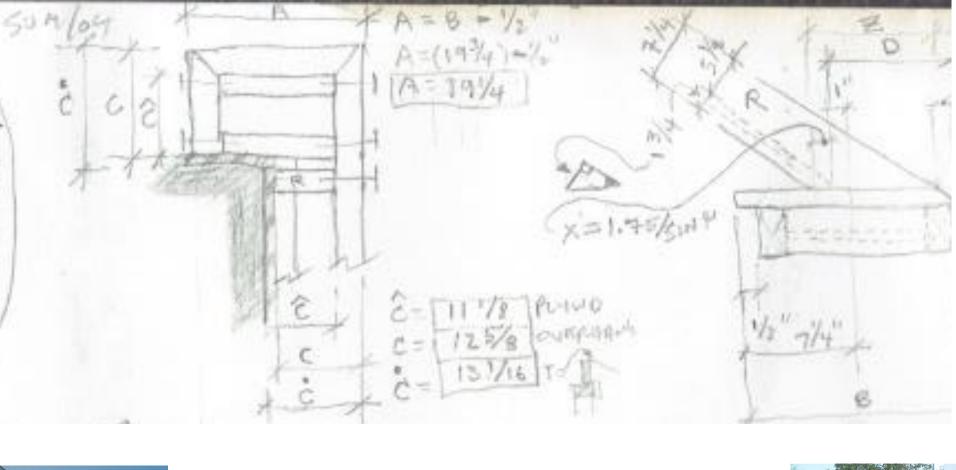












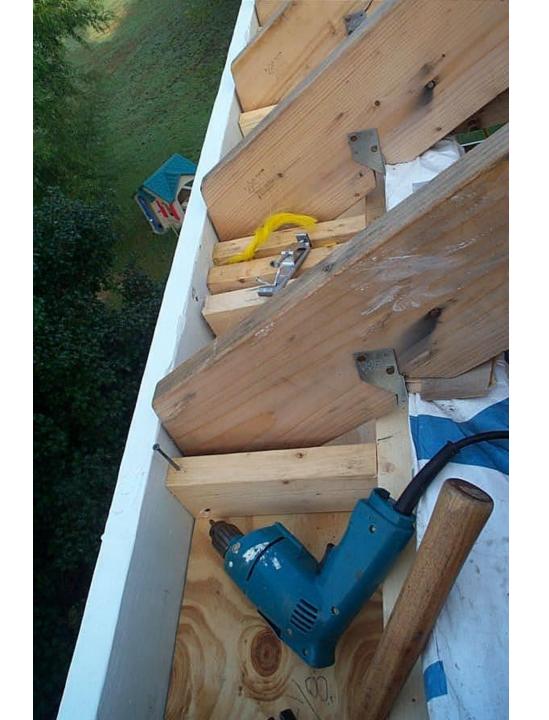




























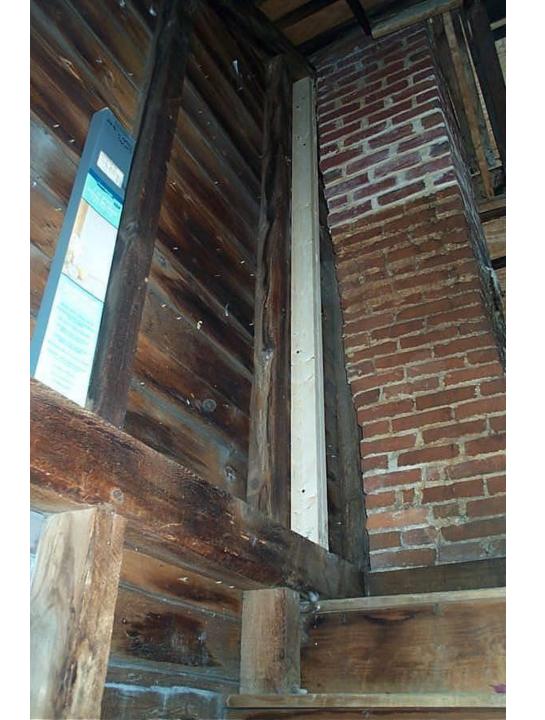






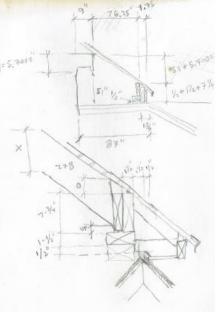


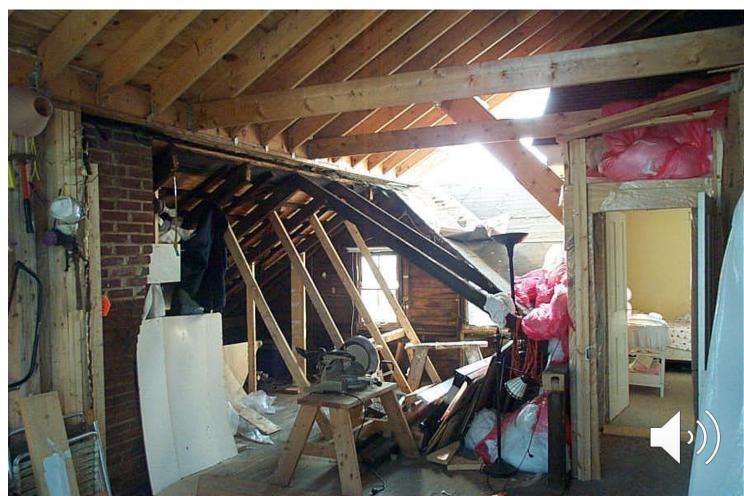


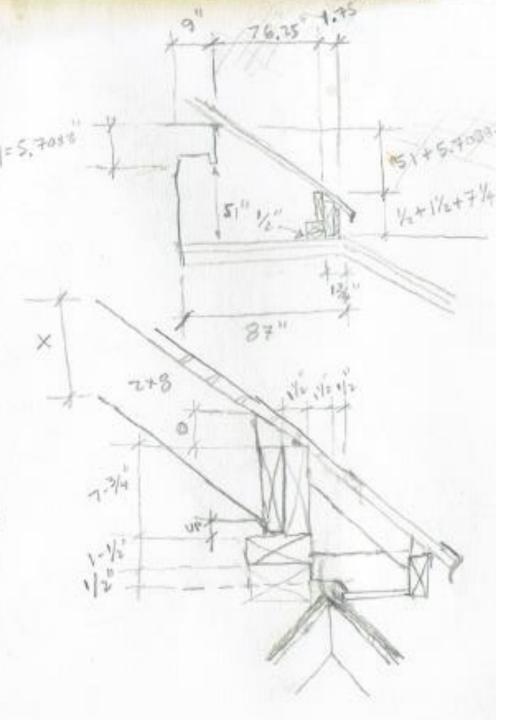
























We repurpose materials!





















JT Wunderlich 2002-present Southeastern Pennsylvania 2000sf remodel +1500sf new

- 4000 man hours
- Only contracts were shingles and concrete mix truck













Present Day Timber Frame Barns



Simpler Design



More Complex Designs

https://www.vermonttimberworks.com/our-work/heavytimberconstruction/timberframe/



Present Day Timber Frame (Homes and Barns)



Very Complex Designs (e.g., Japanese) http://www.grotontimberworks.com/asiandesign.html

