## **ARCH 1130**

## **BUILDING TECHNOLOGY I**

**Professor Montgomery** 

**FALL 2012** 



**SUBJECT** 

# WOOD

light frame construction\_part II

DATE

**FALL 2012** 

PROFESSOR MONTGOMERY

## this week

#### objective:

overview of the nature of light wood frame construction and the sequence and details of the assembly of a light wood frame structure

- \* framed walls
- \* rough openings
- \* connections



- \* building the frame:
  - \* stairs
  - \* sheathing
  - \* roofs
  - \* interiors



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building the frame \_floors



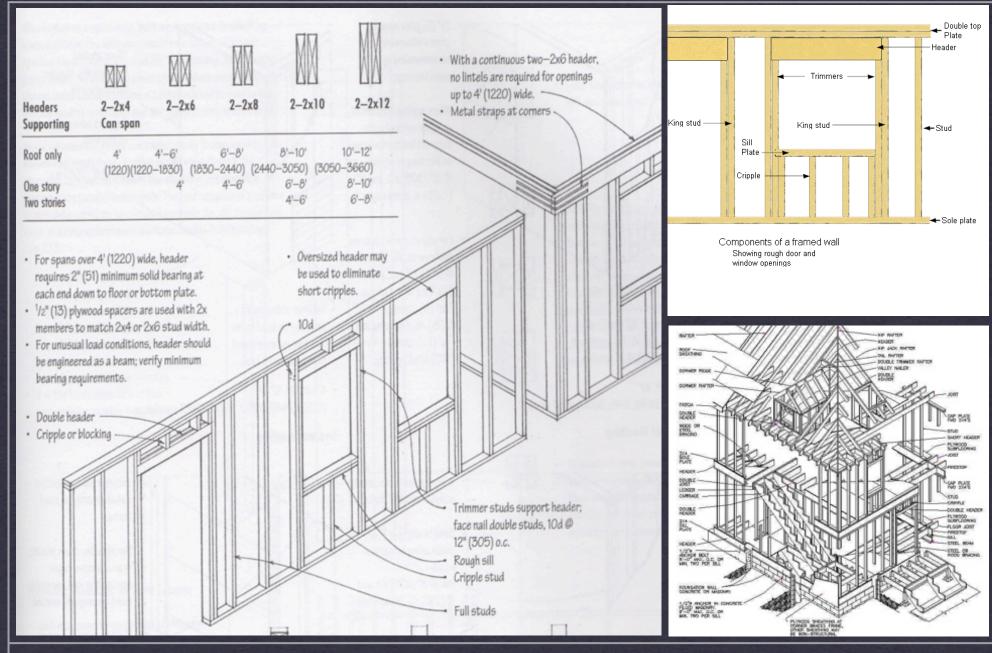
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framed walls



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framed walls



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framed walls



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framed walls



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openings in framed walls



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connections



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connections



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building the frame \_stairs



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building the frame \_sheathing







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building the frame \_sheathing



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building the frame \_roofs

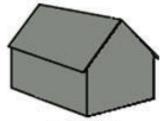




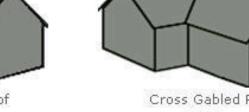


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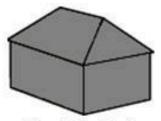
building the frame \_roofs



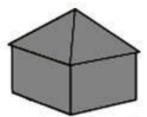
Gable Roof



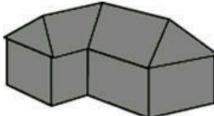
Cross Gabled Roof



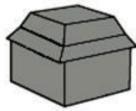
Simple Hip Roof



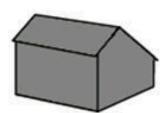
Pyramid Hip Roof



Cross Hipped Roof

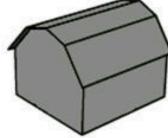


Mansard Roof



Saltbox Roof

Shed Roof

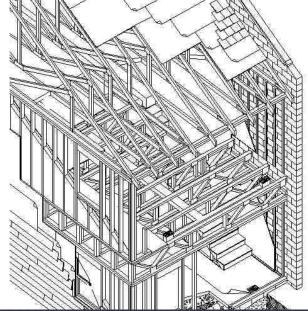


Gambrel Roof



Flat Roof



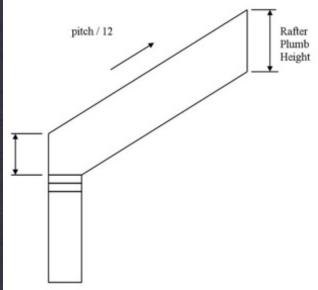


#### **LIGHT WOOD FRAMING**

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**building the frame \_roofs** 







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building the frame \_roofs



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building the frame \_interiors

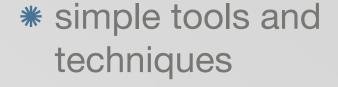


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building the frame \_interiors

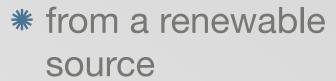
## wrap up

LIGHT WOOD FRAME CONSTRUCTION IS BY FAR THE MOST POPULAR FORM OF CONSTRUCTION IN THE US





\* quickly assembled



\* durable when protected

\* only limits are the carpenter's imagination and ability

