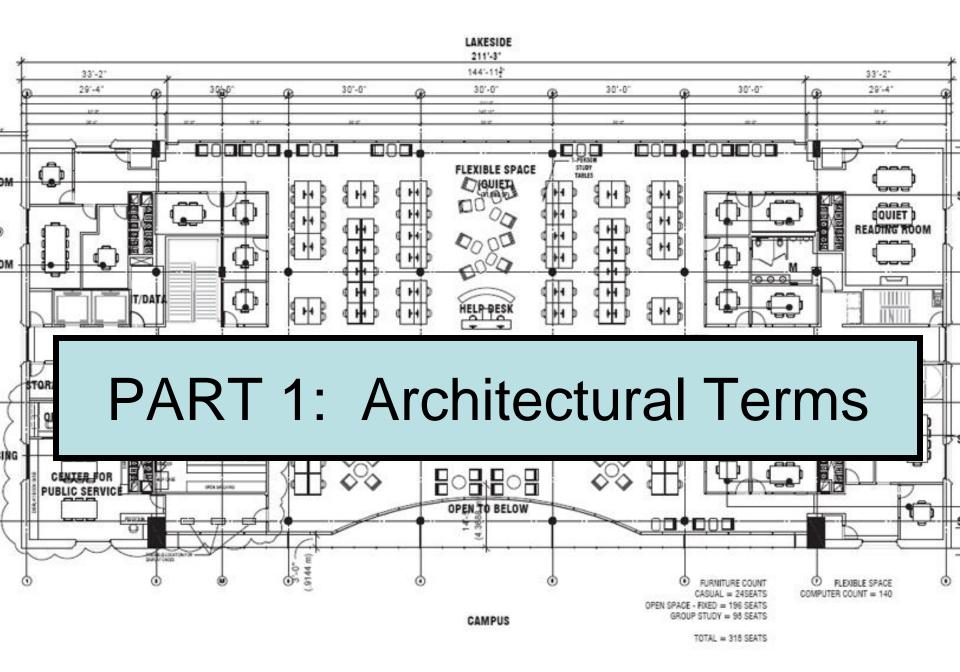


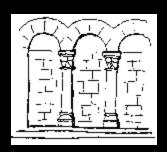
Architectural Terms & Residential Architectural Styles



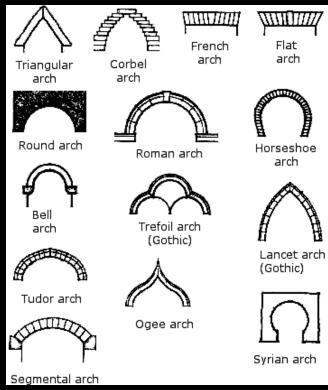


Architectural Terms:

- Dormers
- Gables
- Balluster/ballistrade
- Board and batten
- Transom window
- Dentil
- Fanlight
- Mitered corners
- Mansard roof



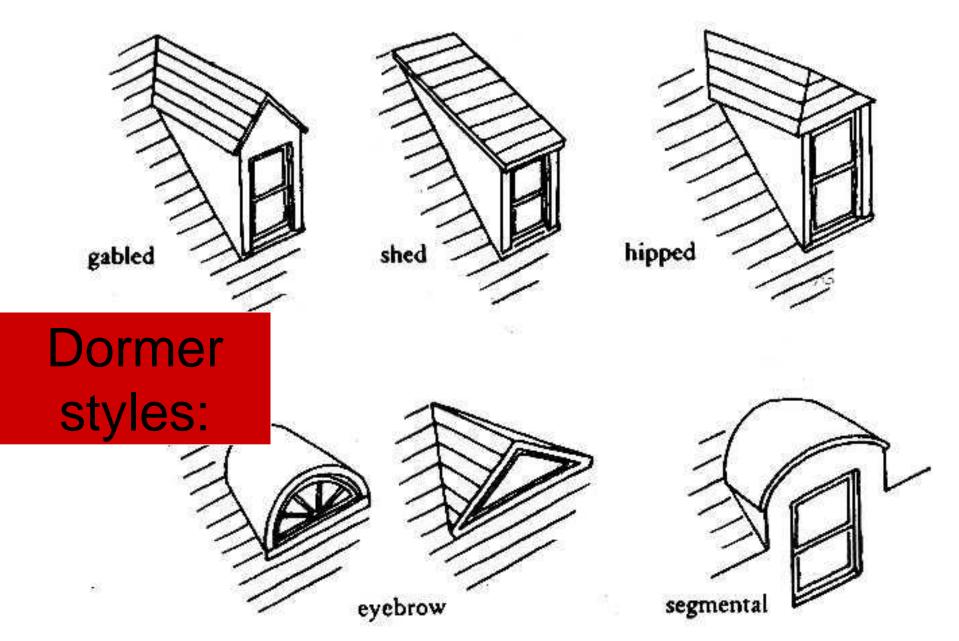




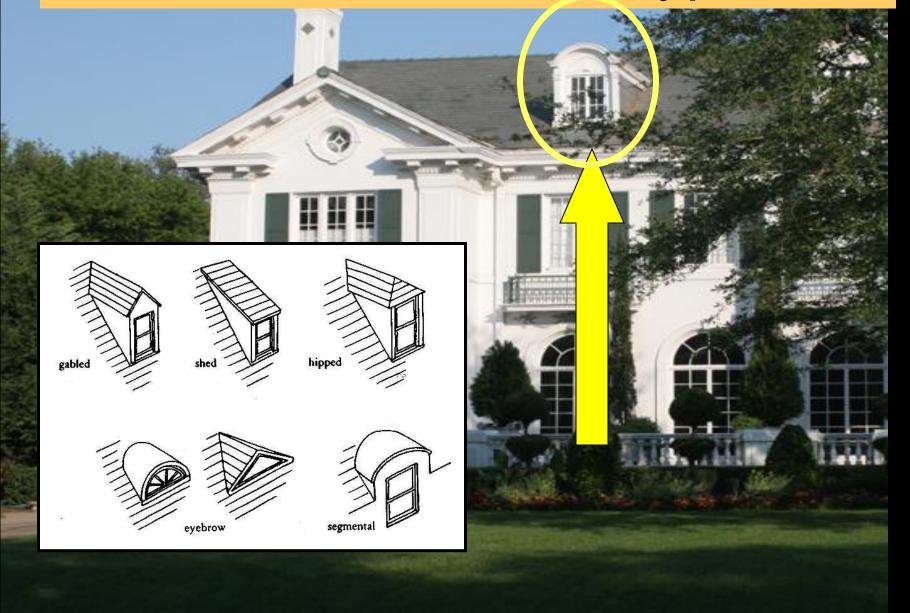
What is a dormer?



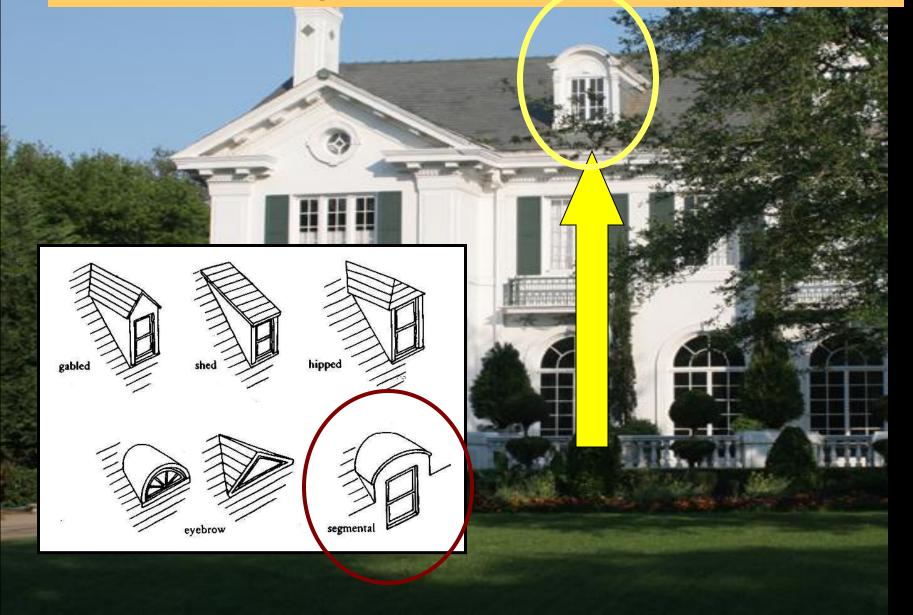
A window set vertically in a small gable projecting from a sloping roof



Name the dormer type.



Segmental dormer



What style of dormer is seen on this house?





What is a corbel?

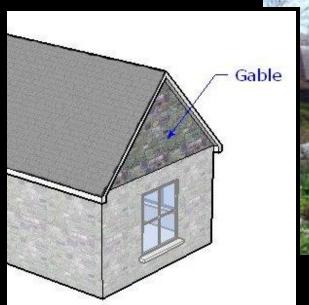




A corbel is a bracket made of stone or wood which juts out from a wall and is used to support an oriel window, a balcony or a roof cornice.

What is a gable?

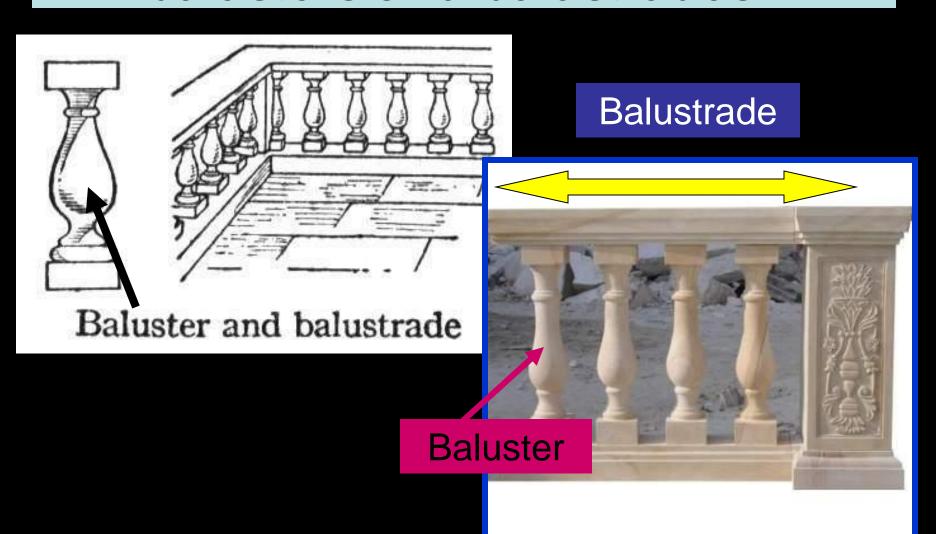
A gable is the triangle formed by a sloping roof





House of Seven Gables

What are balusters and balustrades?



What is board and batten?



- A type of siding
- Alternates foot-wide boards with narrow strips which cover the seams between the boards

What is a *transom window*?

- A window above a door
- On an outside door, it is usually fixed and won't open
- Inside the house, the window could be opened for ventilation in the days before central heat and airconditioning

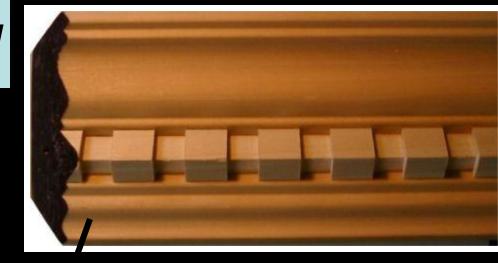


What is a fanlight?



Dentil Moulding

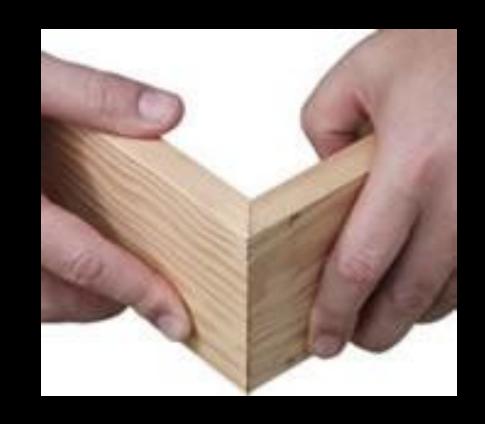
- Classical Greek feature
- Row of rectangular pieces spaced closely together
- Located beneath the cornice





What are *mitered corners*?

Mitered corners are 2 pieces of wood, glass or other construction materials which are joined together and are cut at a 45 degree angle.







Wattle and daub



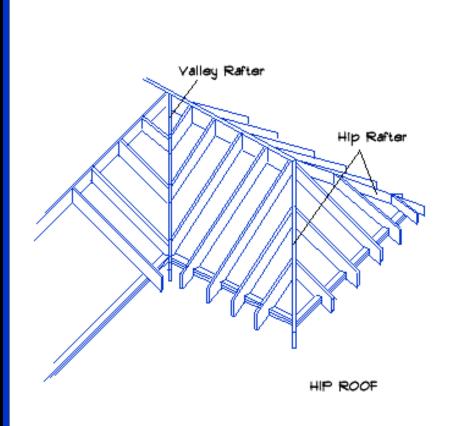
- Building material for making walls
- Wooden strips woven into a lattice (wattle)
- The wooden strips are covered over with a mixture of straw, soil, water (daub)

A gargoyle is a sculpture or rainspout resembling grotesque creature or monster

What is a gargoyle?



What is a "hipped" roof?



On a hipped roof, the roof slopes down to the eaves on all 4 sides

What are French doors?



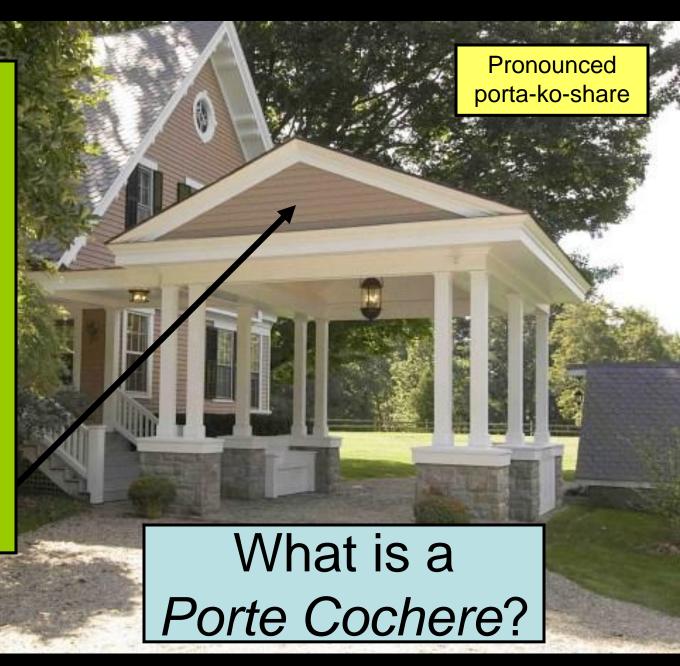


What is a bungalow?

- Early 20th
 century
 American home
- 1 or 1 ½ stories
- Living area on ground floor
- Rooms often connected without hallways
- Built-in cabinets



- •French word meaning "porch gate"
- •A place in the drive where the motor vehicle can stop, allowing the occupants to exit without being exposed to rain or snow



What are these connected houses called?





Row houses

Lafayette
Square
St. Louis,
Missouri

Bay window

What are beveled leaded glass windows?





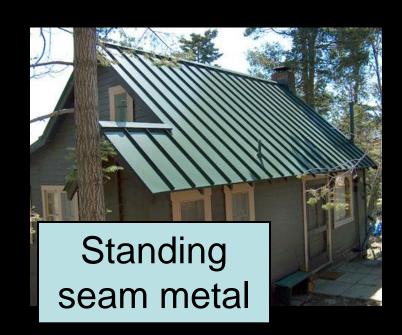






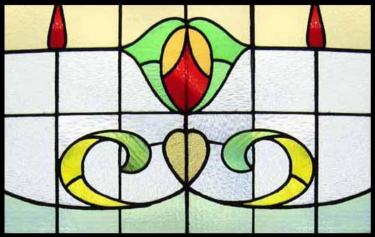
Composition shingles





Stained glass windows





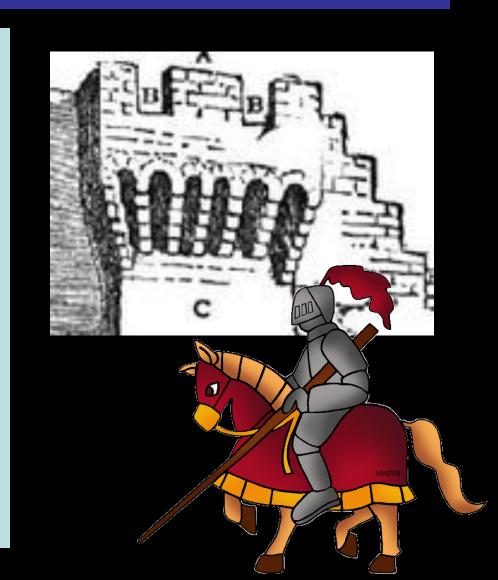
Victorian stained glass window

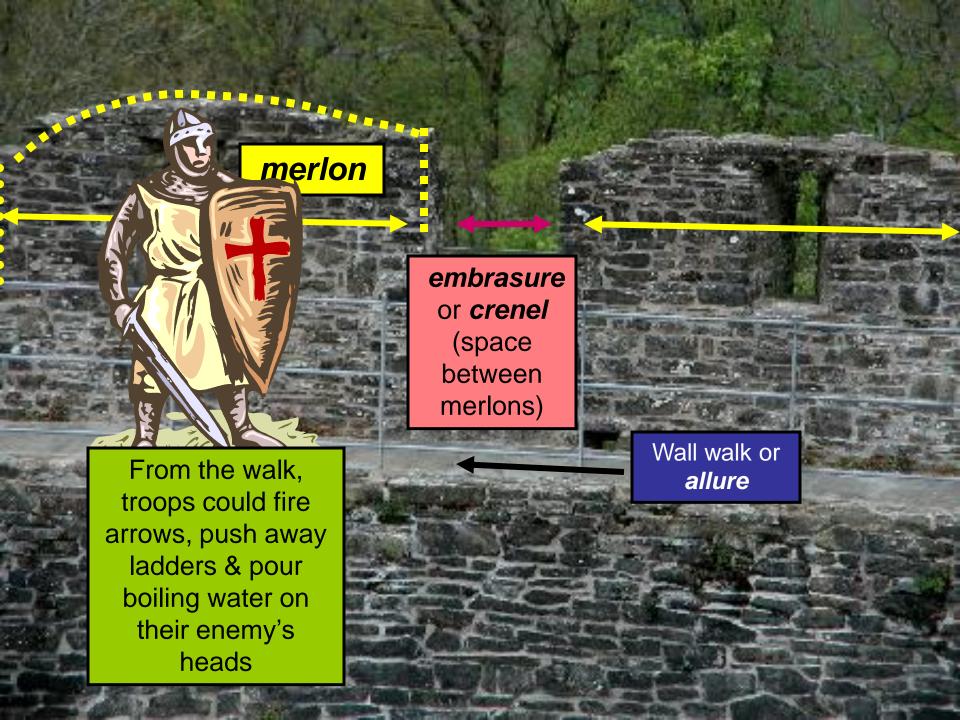
Frank Lloyd Wright – stained glass window

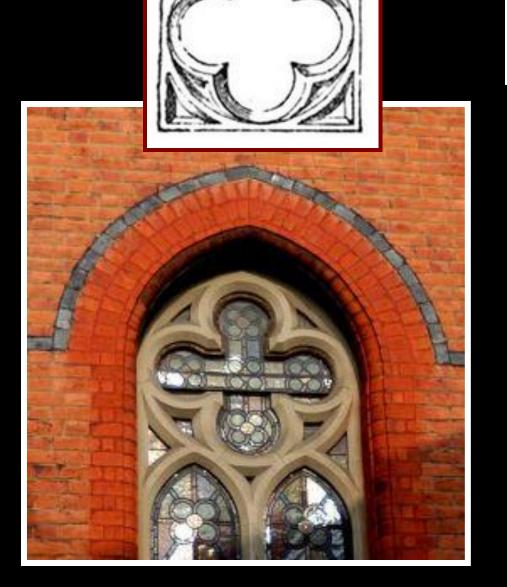
What is a castle "battlement"?

- A battlement (C)

 (also called a
 crenellation) offers a
 place for defending
 the building during
 attack
- The raised areas of the battlement (A) are called merlons
- The openings (B) are called embrasures or crenels





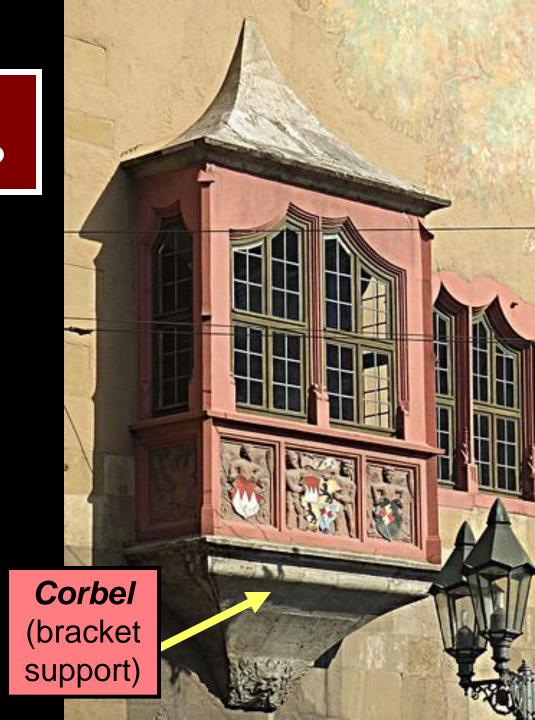


What is a quatrefoil window?

- A quatrefoil
 window is a round
 window
 composed of 4
 equal lobes like a
 flower
- Often seen in Moorish & Gothic architecture

What is an oriel window?

- •Form of bay window which juts out from the building without touching the ground
- Often seen in Tudor,Gothic Revival &Queen AnneVictorian architecture

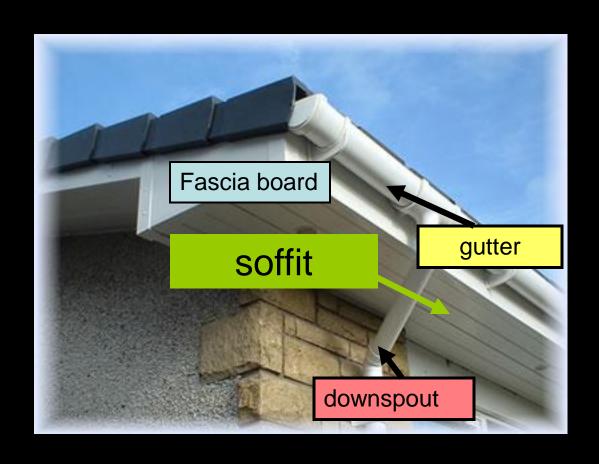


What is a *Mansard* roof?

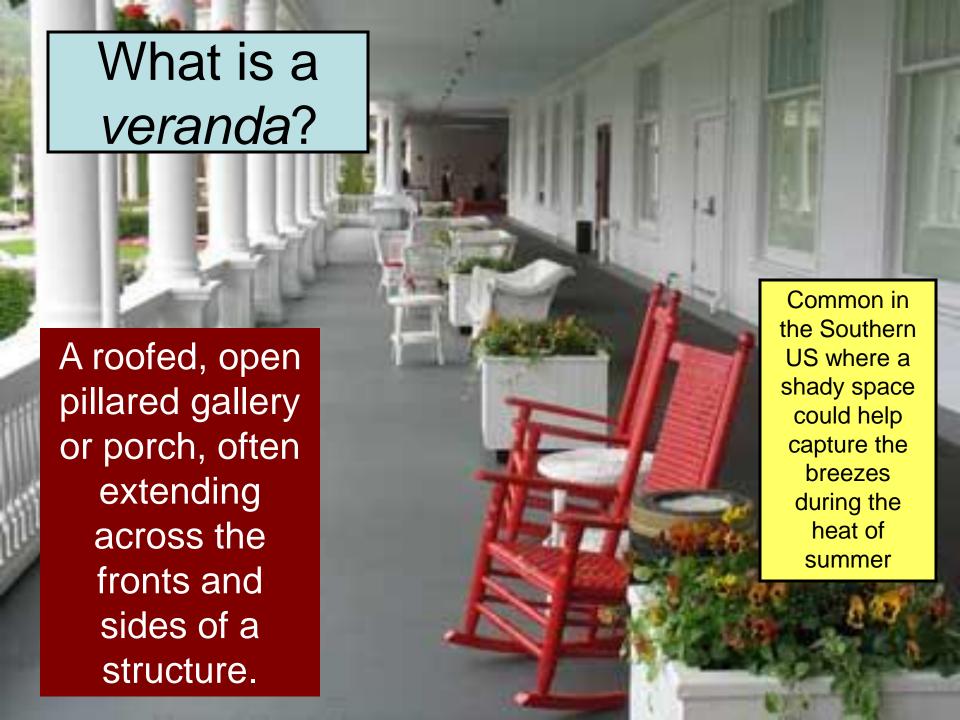


- •A style of roof popular in France
- •A double sloped roof small upper sloped roof is not visible from below
- Lower sloped roof often has dormers

What are soffits?



Soffits are the underside of a projecting cornice or roof.



Half-bath "Powder room"



toilet

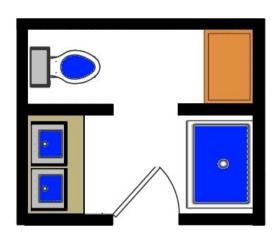
Simple Half Bath Design



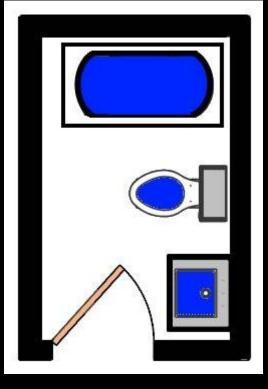


3/4 bath

- Toilet
- Sink(s)
- shower



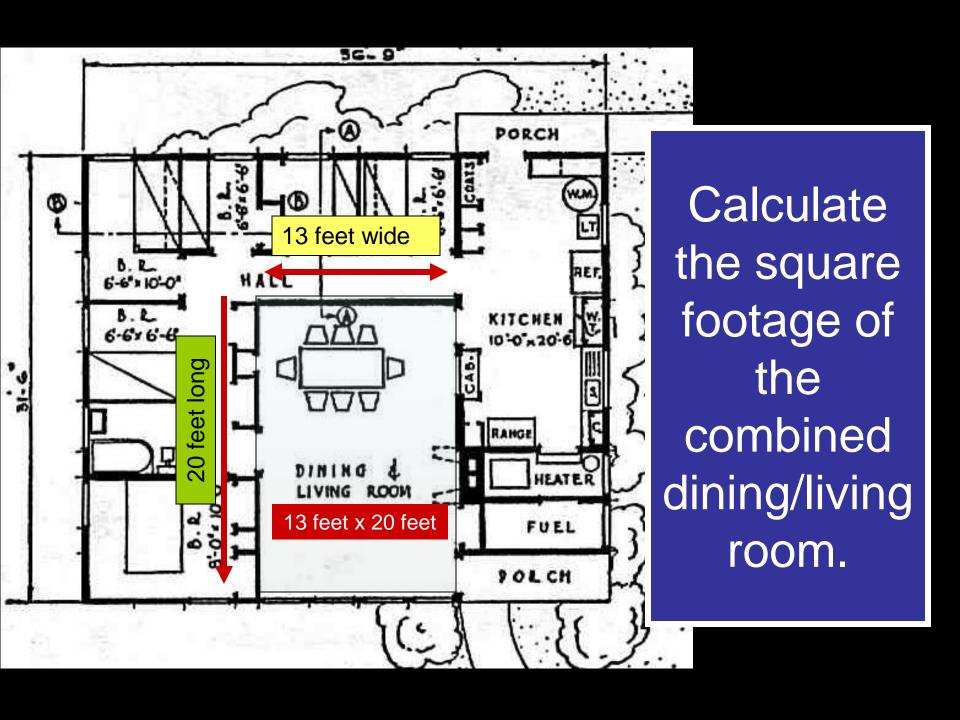


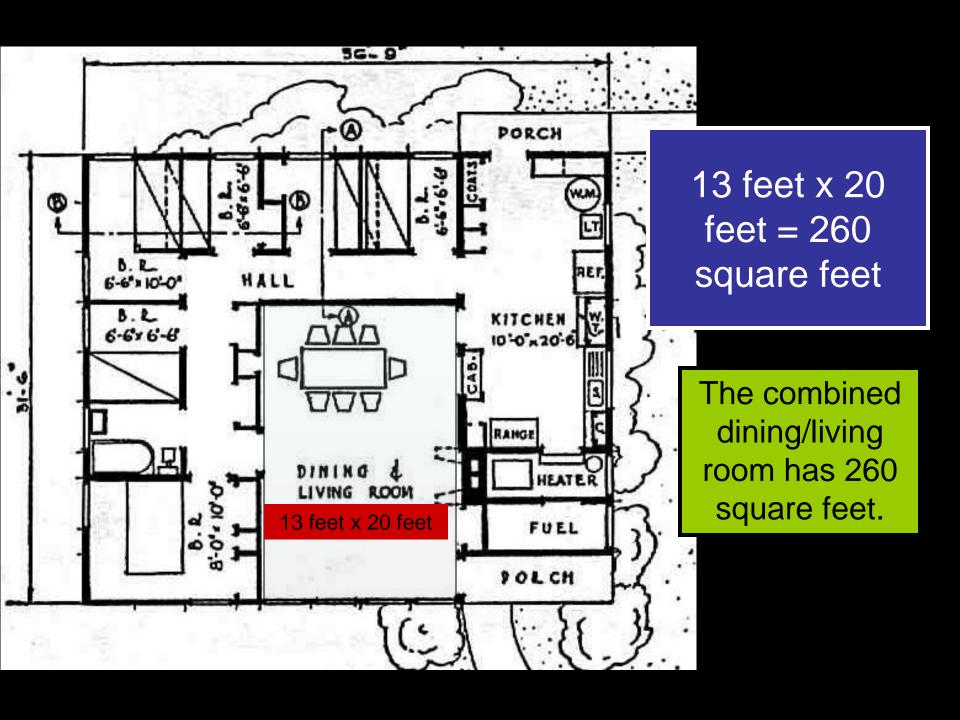


- Toilet
- Sink(s)
- Bathtub
- Shower

Full bath







Tiny houses: How small a space could you live in and be satisfied?





EUROPEAN INFLUENCES ON AMERICAN ARCHITECTURE

- English Tudor
 Architecture
- English Georgian Architecture
- French Architecture
- Dutch Architecture
- SpanishArchitecture

Explorers and Early
American colonists came
from England, France,
Holland & Spain. They
brought their architectural
tastes with them, but the
styles had to be adapted to
American conditions.

Much of Early American architecture was influenced by European architecture and adapted for American colonial conditions.

- Scarcity of glass for windows
- harsh winter weather in New England steep roofs helped prevent snow from piling up
- marshy Southern areas required homes to be raised on stilts



1636
Beverly, Massachusetts

- Medieval architecture during reign of the Tudor dynasty (1485-1603) of England – includes Kings Henry VII & VIII & Lady Jane Grey
- Tudor arch defining feature
- Oriel windows (bay window supported by corbels or brackets)
- Wattle and daub construction

ENGLISH ARCHITECTURE: Tudor style

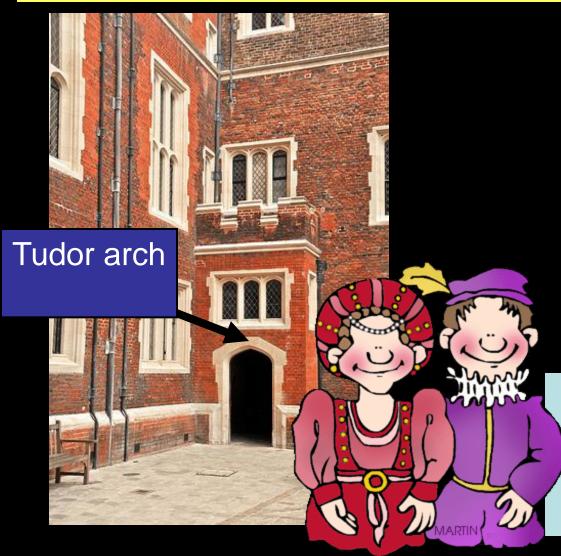


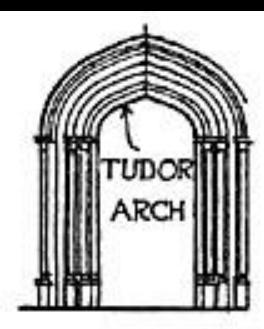
King Henry VII (7th)

Hampton Court: A Tudor Palace



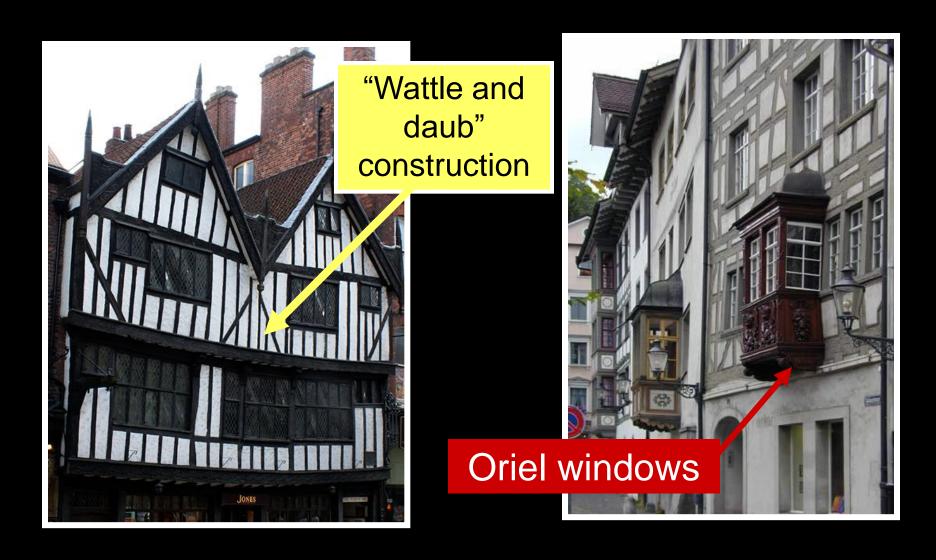
Hampton Court Palace

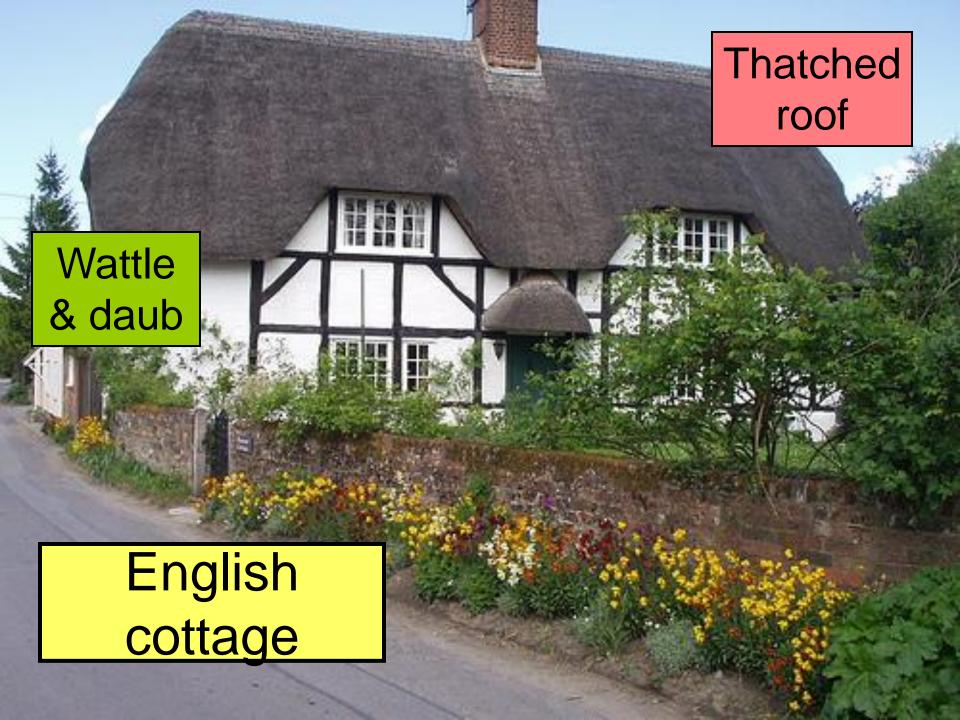


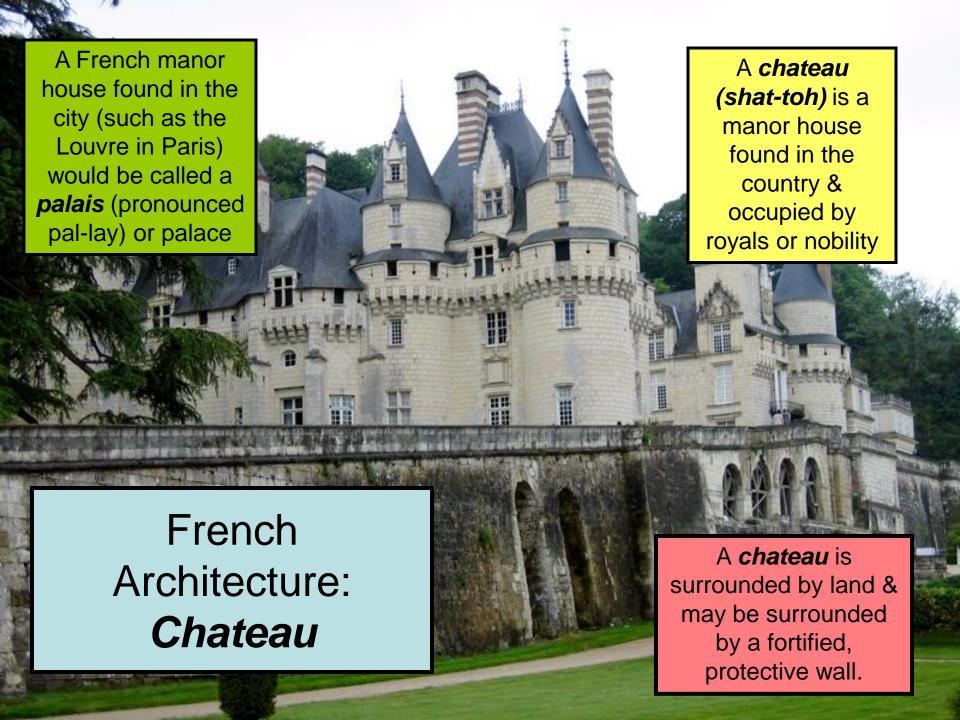


At the death of Elizabeth I in 1603, the Tudor Period came to an end.

Traditional English Tudor







Early American Colonial Architecture: (1600-1800)

#1) Salt box

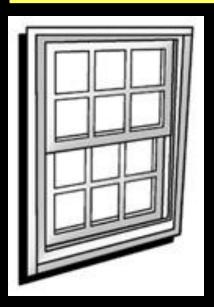
#2) Cape Cod

#3) Dutch Colonial

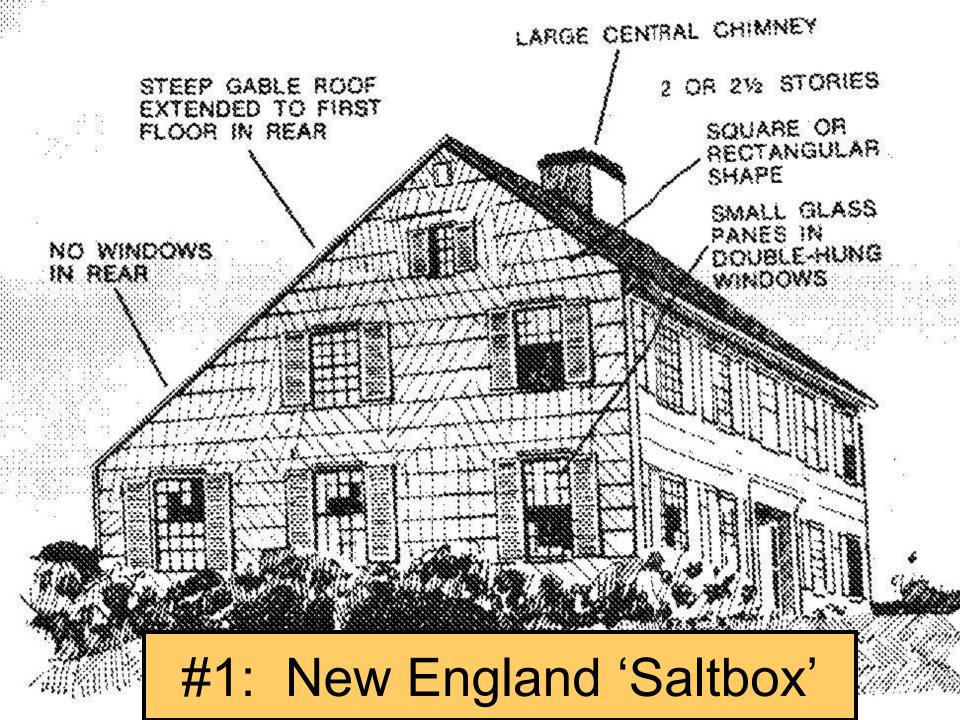
#4) Georgian

#5) Federal (Adam) style (adapted from the Georgian style)

Glass was very
expensive in the
1600's. Many
window openings
were covered with
paper, skins or fabric.
Once Americans
began to produce
their own glass,
windows became
cheaper & larger.



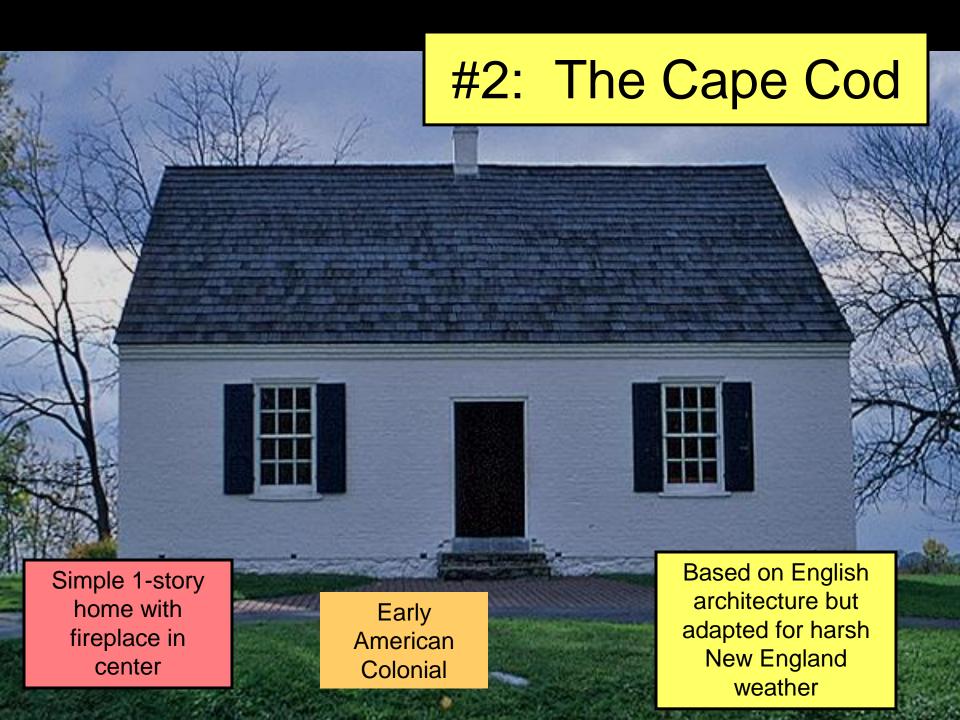




#1: American "Saltbox"



- Shaped like a box once used to hold salt
- Queen Anne of England taxed all American 2 story homes. By being 1 story in the back, owners of salt box homes could avoid this tax.



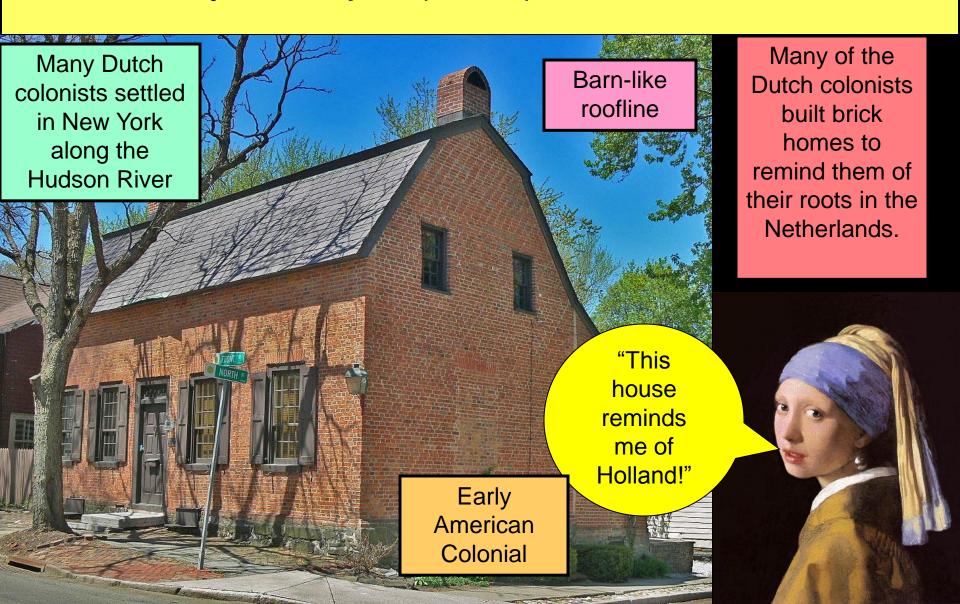


- May actually be from German (Deutsch) settlers in Pennsylvania
- Gambrel roof, flaring eaves – barnlike construction
- Dutch door (half door)

#3: Dutch Colonial Style Homes



#3: Early example (1740) of a Dutch Colonial



#4:

Georgian Colonial Architecture



Early American Colonial

- 1720-1840
- Architectural style found during the reign of English kings, George I-George IV & adapted for use by Americans
- Usually chimneys on both sides of the house
- Symmetrical window placement
- Centered, panel front door with transom, flattened columns
- Simple 1-2 story box, 2 rooms deep
- Adapted to become "Federal style architecture" in the American colonies

#4: Georgian style houses (1690-1830)



Early American Colonial

- •9-12 panes per window
- •2nd story windows often touched the cornice
- Flattened columns surrounding front door
- Transom often over front door
- Central chimney
- Later Georgians featured balustrades, dormers, 2 end chimneys

5: Federal Style Houses (Adam) 1780-1830



- Symmetry of windows
- Palladian style windows or elliptical shaped windows common
- Fanlight over front door
- Sidelights
 adjacent to front
 door were common
- shutters

Early American Colonial

Classical House Styles: 1780-1860



- Pedimented gables
- Symmetrical shape
- Columns
- Wide, plain frieze
- Style often seen in Southern antebellum homes

#1: Greek Revival



Classical Style House

- Influenced by Scottish architect, Robert Adam
- American adaptation of Georgian style
- semi-circular fanlight over front door
- Windows surround doors to let in more light
- Decorative crown or roof over front door
- Symmetrically arranged windows
- Shutters
- Circular/elliptical windows

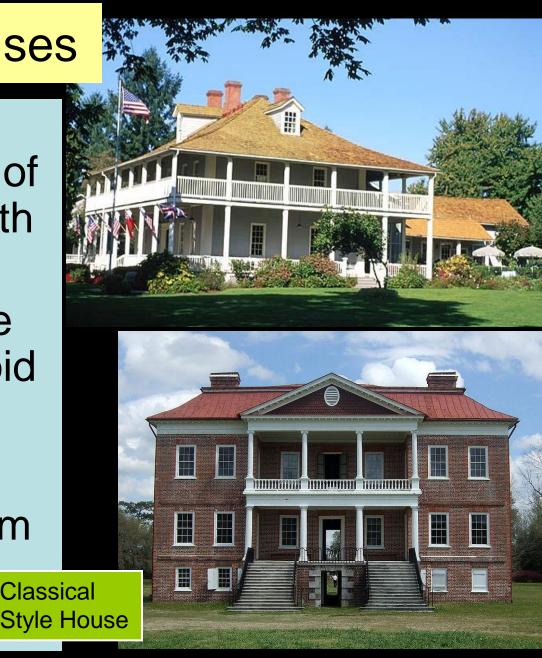
#2: Federal Homes (Adam Houses)



Classical Style House

#3: Tidewater houses

- Designed for hot, wet coastal areas of the American South
- Raised, covered porches to capture the breezes & avoid flood damage
- raised
- Popular Antebellum house style



Antebellum Architecture

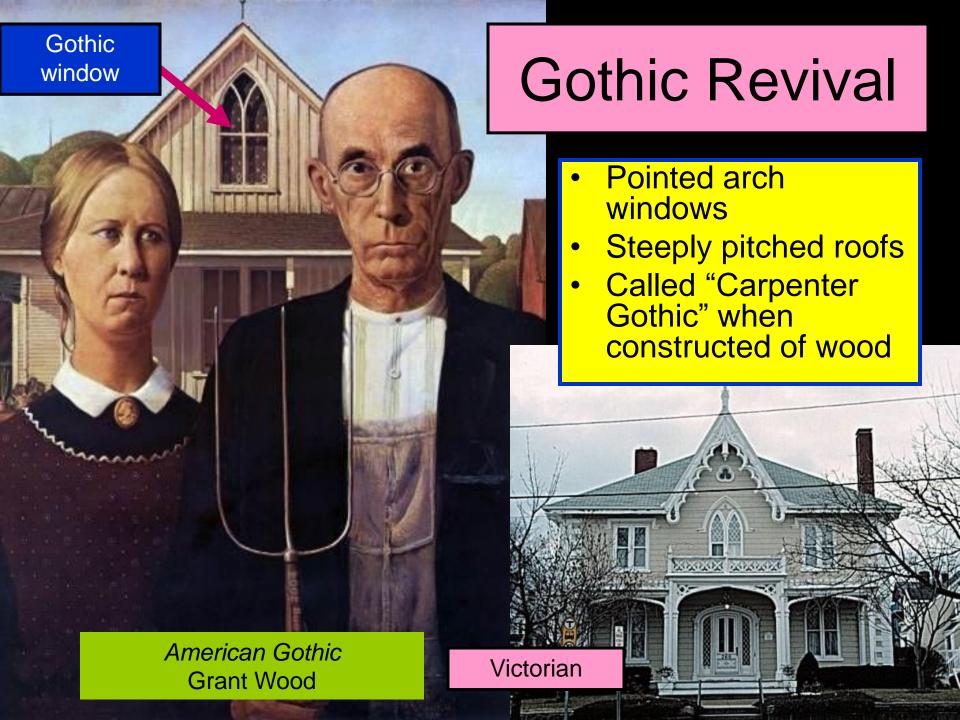


Classical Style House

- Doesn't refer to a particular style
- •Means "before the war", referring to the American Civil War
- Most houses are Federal,
 Greek Revival or Tidewater styles

Houses of the Victorian Era (1840-1900) came in various styles:





- Steeply pitched roof
- Windows
 with pointed
 arches
- Use of vertical board and batten siding
- Popular style during Victorian Era (late 1800's)

Gothic Revival



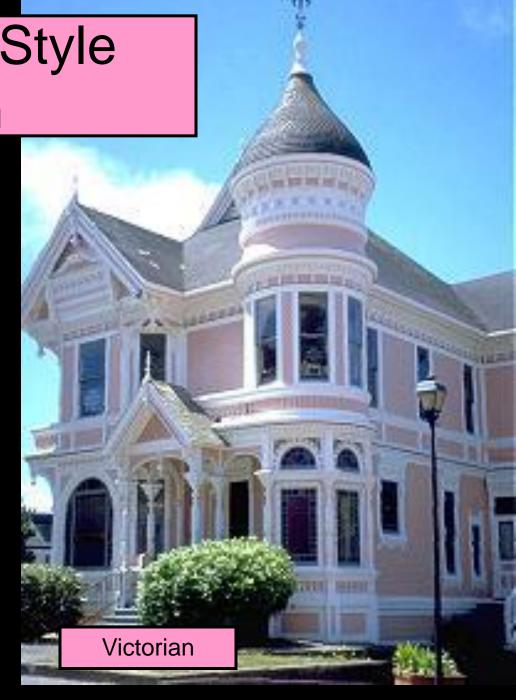
- Usually a simple farm house to which Victorian trim or elements have been added
- Once many cities in the West were linked by the railroad, many 'updated' their homes to reflect this new style with manufactured elements

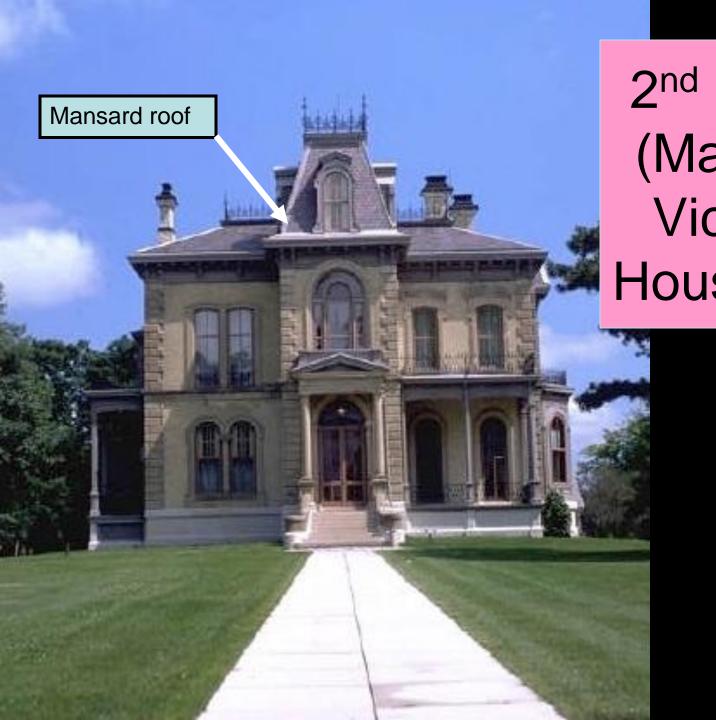
Folk Victorian



Queen Anne Style Victorian

- The fancier the better
- "gingerbread" trim
- Towers, dormers, bay windows
- Wooden ornamentation
- Irregular rooflines
- Shingles and clapboards
- Lattice-work skirting





2nd Empire (Mansard) Victorian House Style

Italianate Victorian 1850-1890

Hipped roof, not Mansard





Early 20th Century House Styles: 1905-1950



#1: Prairie Style (Craftsman Movement)

#2: Bungalow Styles

#3: American Foursquare

#4: "Revival" style homes

#5: International Style

#6: Usonian House

Above: American Foursquare House with hipped roof

- 1905-1930
- Locally handcrafted wood, stone, glass and metal work
- Frank Lloyd Wright design features
- Clean, horizontal lines, natural materials, exposed rafters under eaves
- Tapered square columns supporting hipped roof
- Gustav Stickley –
 furniture designer who
 published a magazine
 called, Craftsman

#1: Prairie Style (Craftsman)

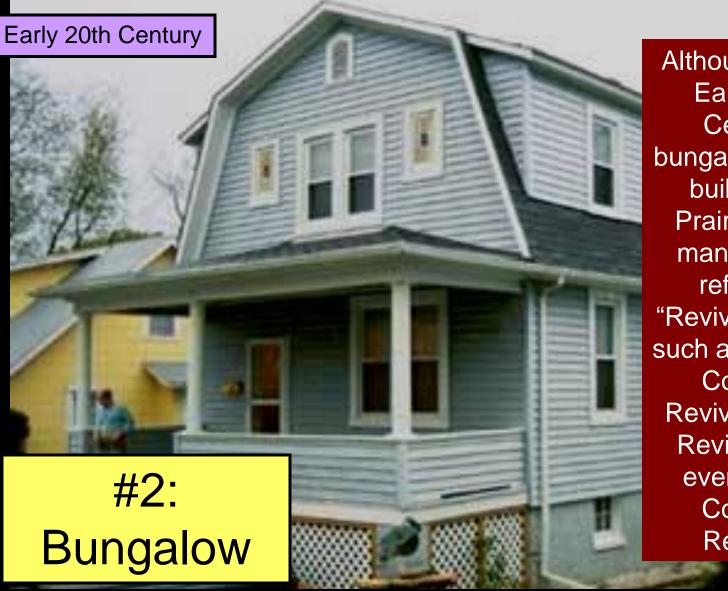


#1: Prairie Style (Craftsman)





Early 20th Century



Although many Early 20th Century bungalows were built in the Prairie Style, many others reflected "Revival" styles, such as Spanish Colonial Revival, Tudor Revival, and even Dutch Colonial Revival.

Dutch Colonial Revival





Spanish Colonial Revival Bungalow



#3: American Foursquare House

\$1.99500 and Our FREE BUILDING PLANS

WILL BUILD, PAINT AND COMPLETE, READY FOR OCCUPANCY, THIS MODERN NINE-ROOM \$3,000.00 HOUSE

HOW TO GET ANY OF GUR PLANS FREE PULLY EXPLAINED ON PAGE 5.



MODERN HOME No. 52

- •1890's to 1930's
- Plain compared to Victorian homes
- Square, boxy design
- Hipped roof
- Use of central dormer
- Large front porch

#3: American Foursquare

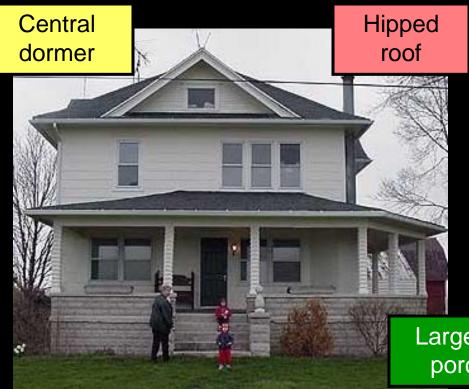
Early 20th Century

Central dormer

Square,

boxy shaped

house



303

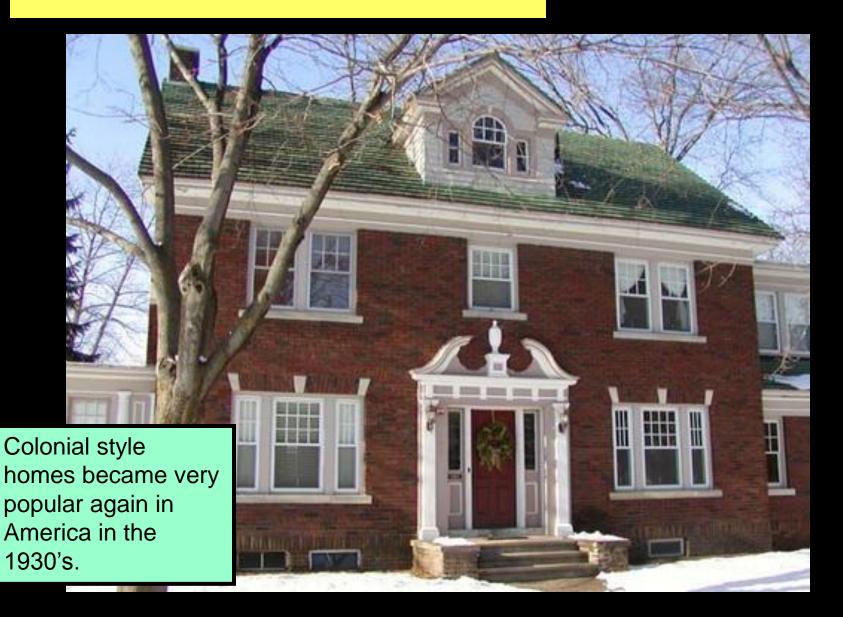
Large front porches

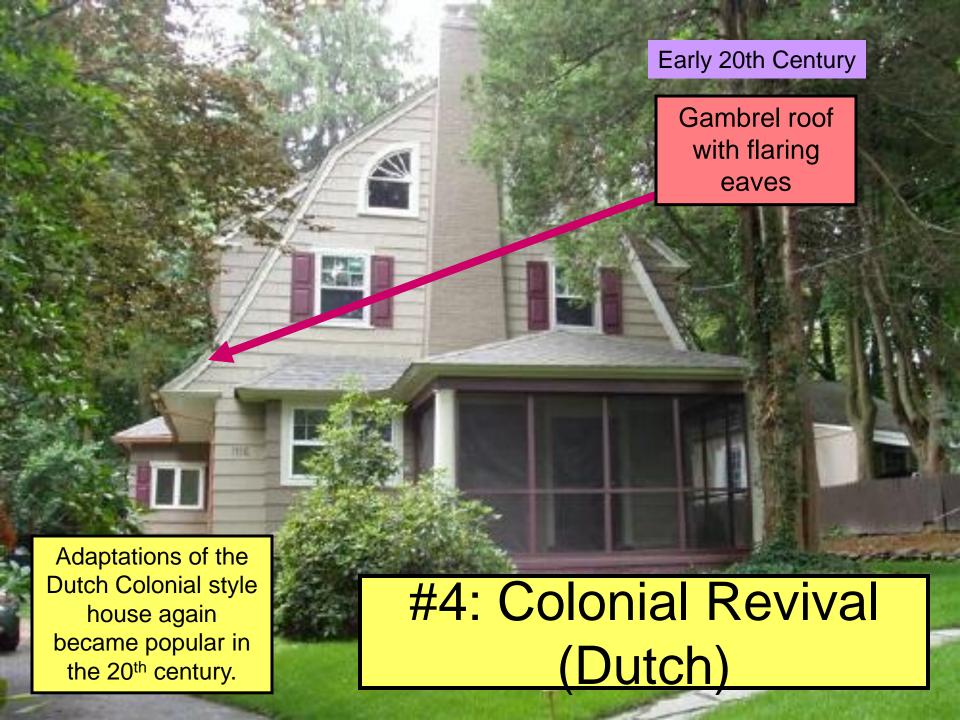
#4: "Revival" styles of homes – very popular in the 1920's thru 1940's

- Cape Cod Revival
- Colonial Revival
- Dutch Colonial Revival
- English Tudor Revival
- Spanish Colonial Revival



#4: Colonial Revival

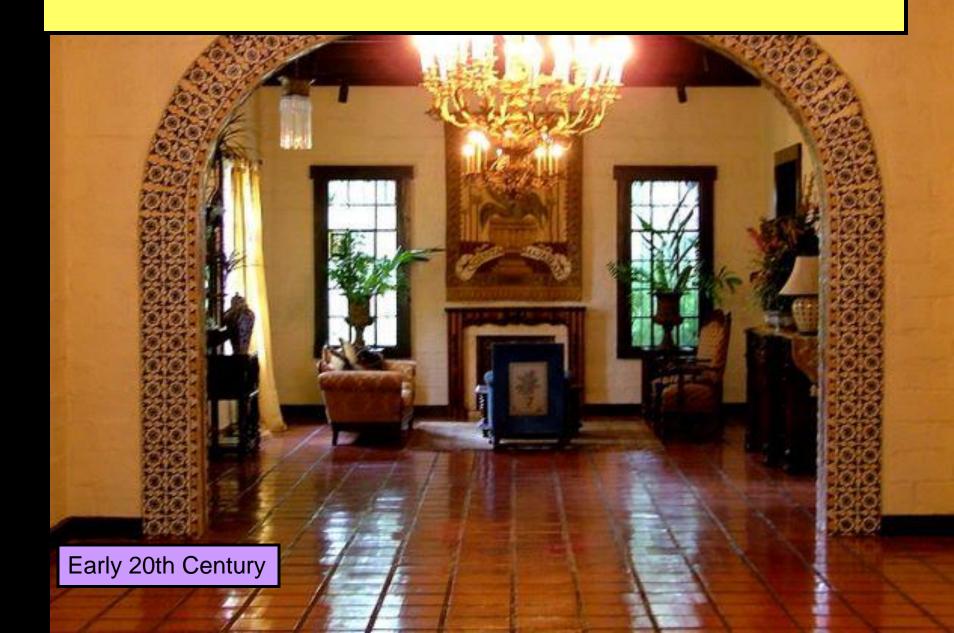








#4: Spanish Colonial Revival interior



#4: Spanish Colonial Revival ranch





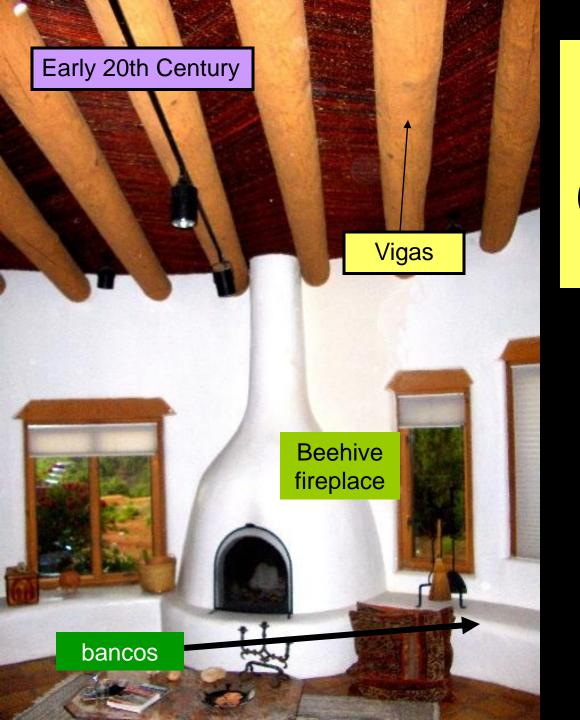
- Round-edged adobe walls (earth, clay, straw)
- Flat roof, no overhang
- Spouts in parapet to direct rainwater
- Vigas (heavy timbers)
 extending through the
 walls to support the roof
- Beehive corner fireplace
- Bancos (benches) protruding from walls

#4:

Pueblo Revival (Santa Fe Style Architecture)







#4:
Pueblo Revival
(Santa Fe style)
interior

- "beehive"fireplace
- Bancos(benches)protruding from the adobe walls
- Vigas timber beams on ceiling



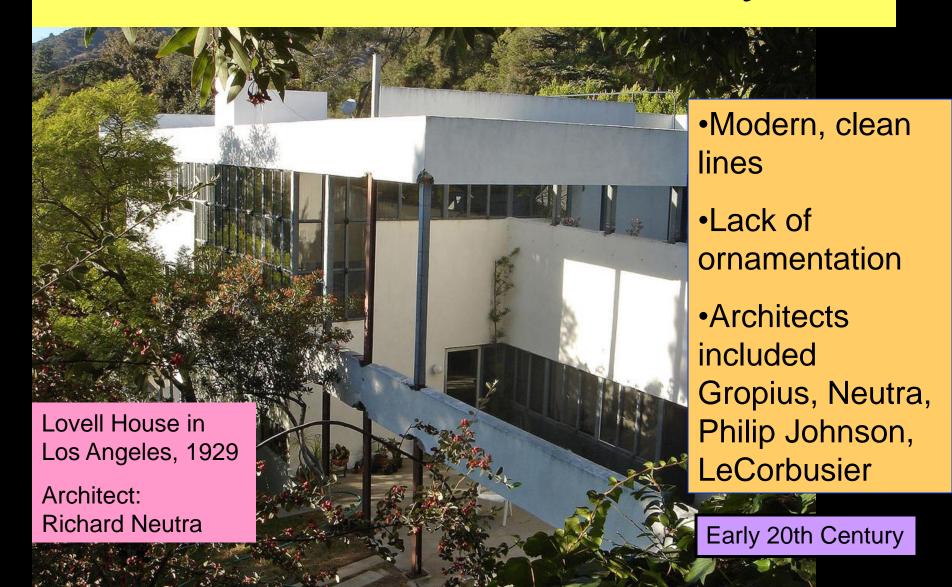
American
"subdivision" of
affordable
houses built
after WWII

Homebuilder William
Levitt is considered
the father of the
American suburb.

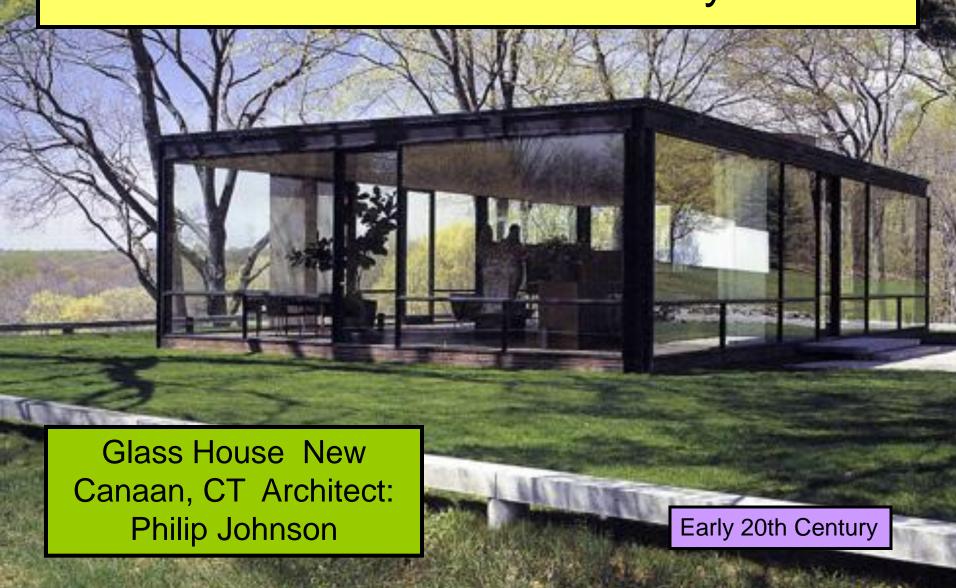
First largescale American suburb



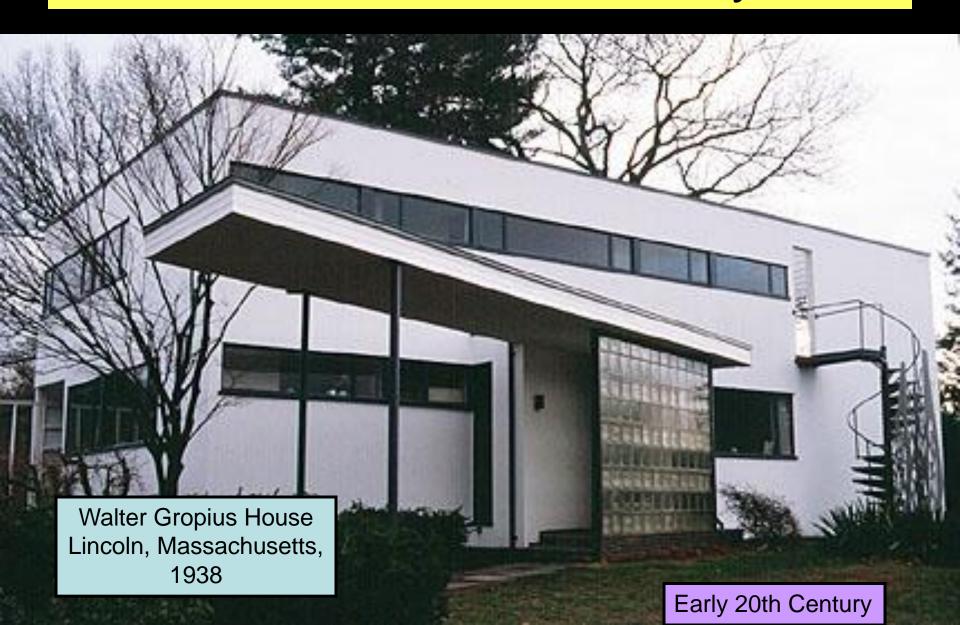
#5: The International Style

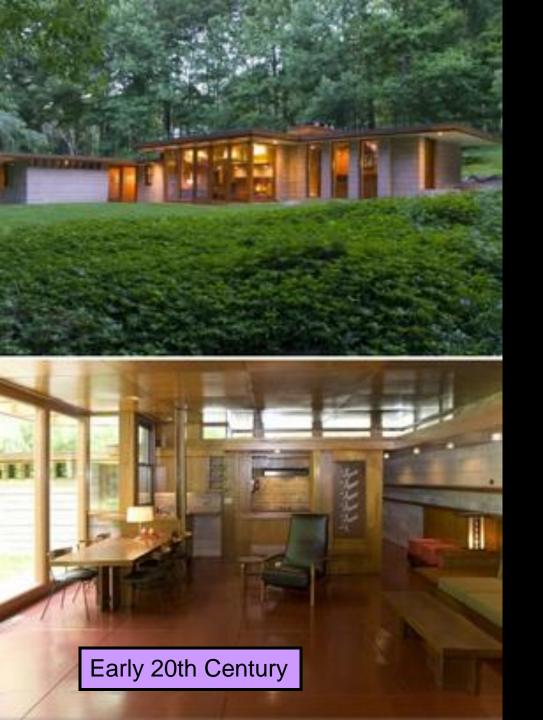






#5: The International Style





#6: Frank Lloyd Wright's Usonian house

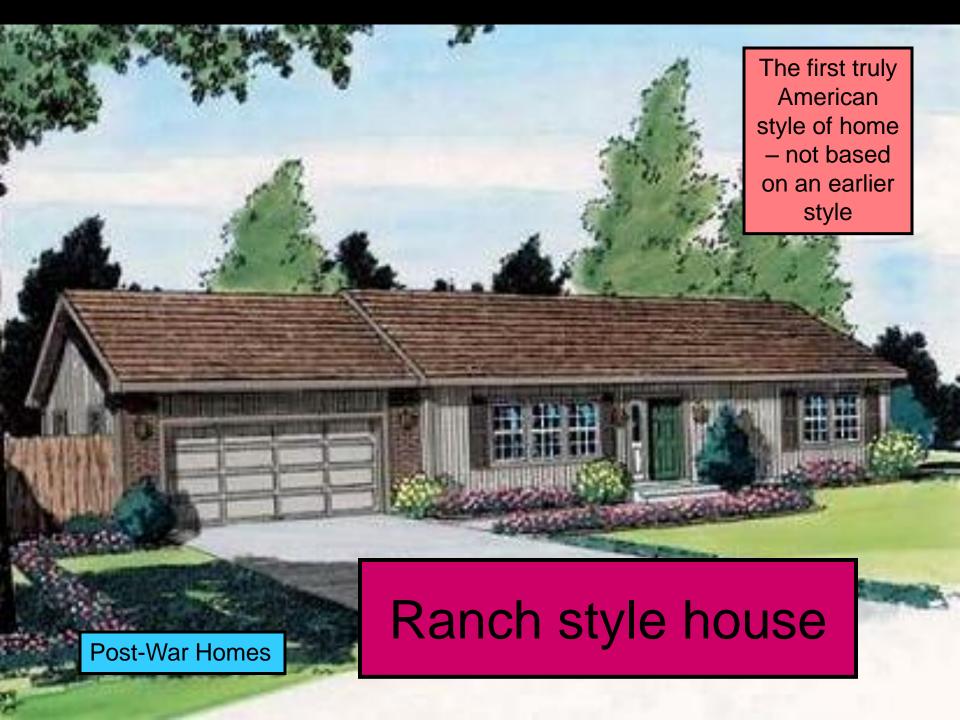
- 50 designs by Frank Lloyd Wright – beginning in 1930's
- L-shaped homes
- EcinexpeFrank Lloyd Wright designedbout 50 inexpensive L-shaped home designs by Frank Lloyd Wright beginning in the late 1930's
- meant to fit on cheaper lots
- Use of native materials
- Carport/no garage
- Little storage space
- Inspiration for the American ranch-style house

Post-War House Styles:

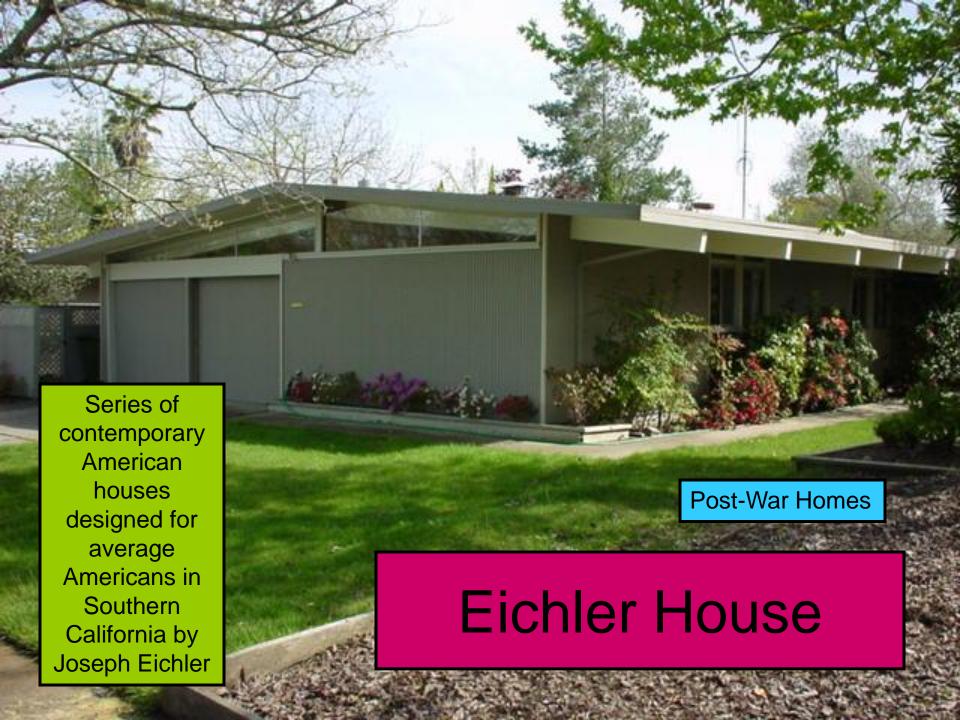
- Ranch Style
- Split-Level
- Eichler
 Houses –
 Southern
 California
- A-Frame



Post-War Homes





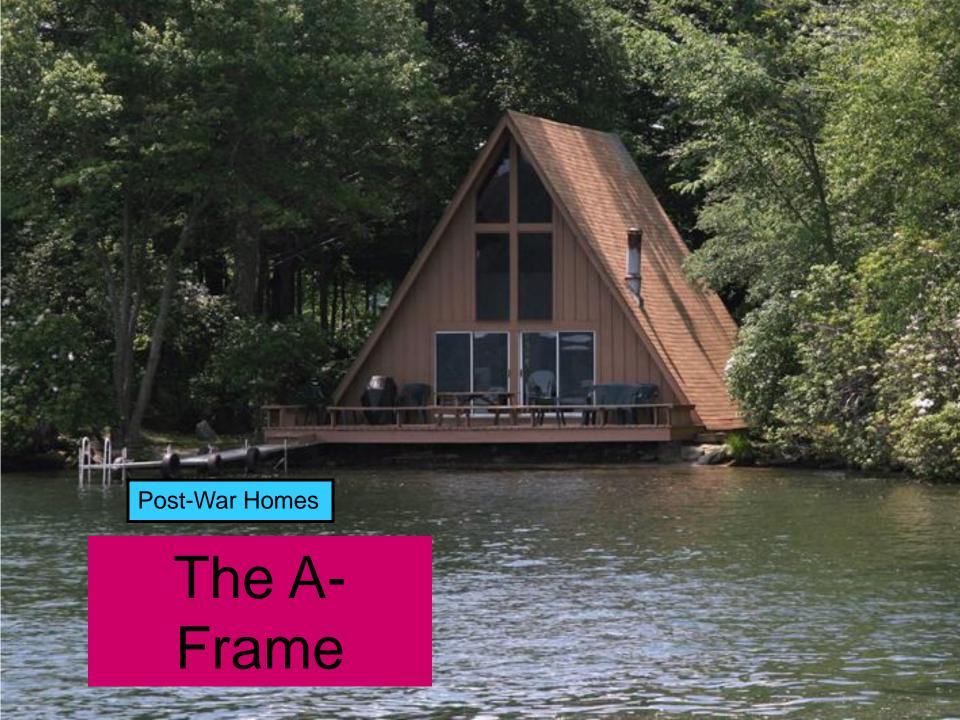


Interior of a Joseph Eichler home in Southern California (1950's-1960's)

Post-War Homes

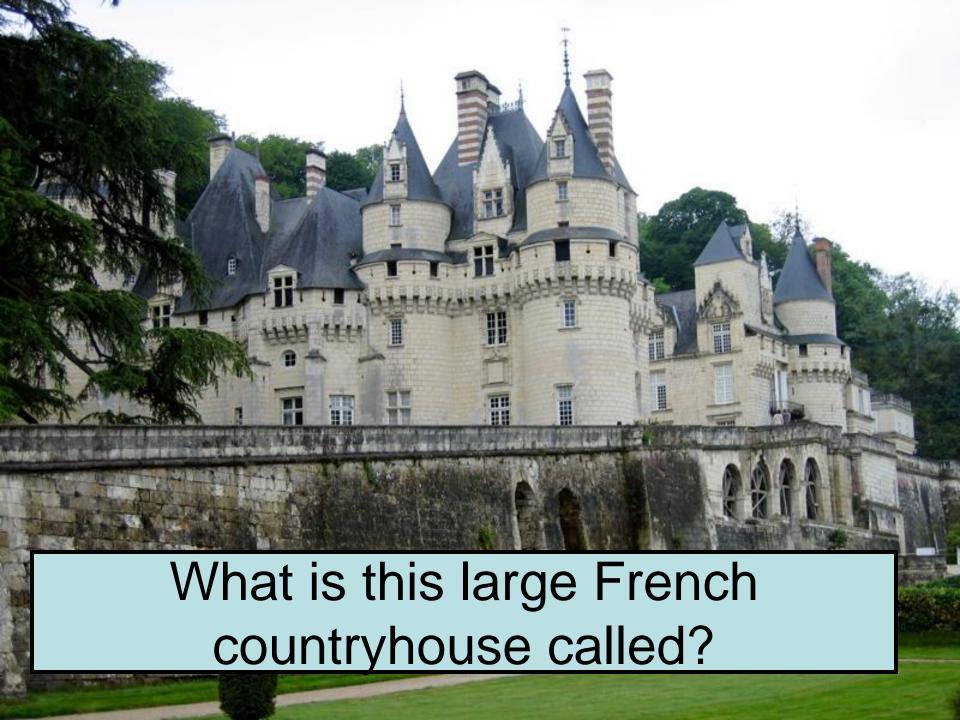


















What is this architectural feature called?



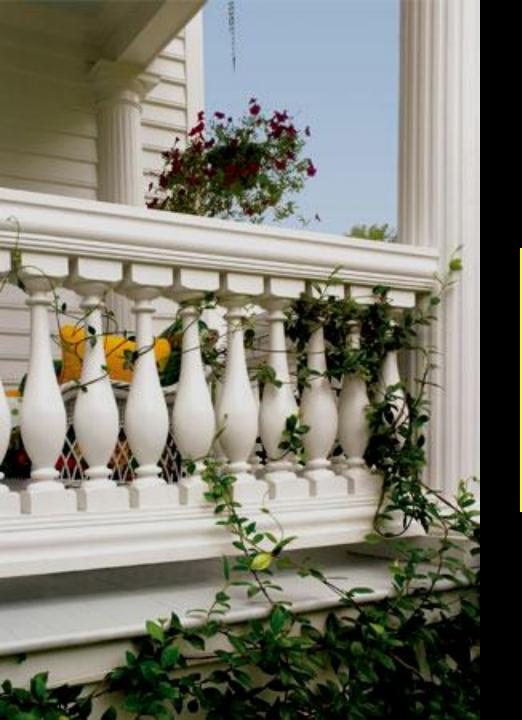








What is the name of this architectural feature?



A balustrade



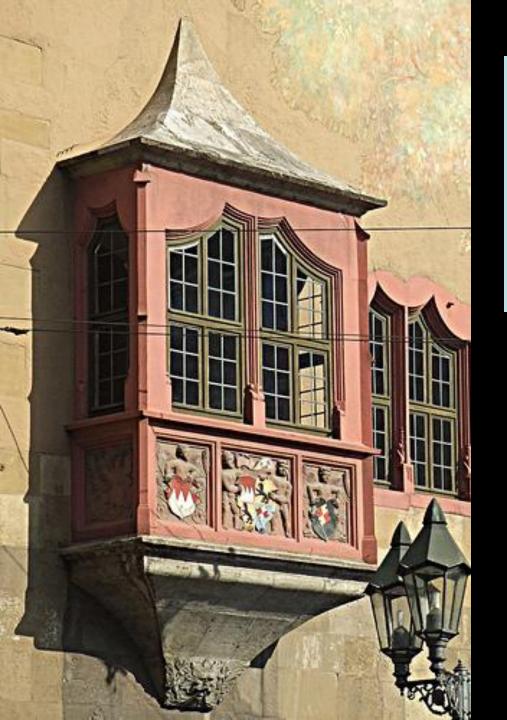


What is the name of this type of window?



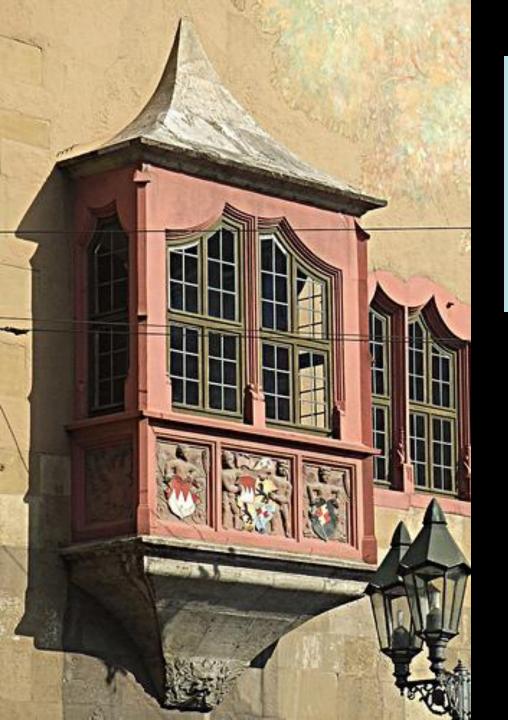
Quatrefoil (pronounced kwot-ruh-foyle)





What is the name of this type of Tudor window?

- a) Fanlight
- b) Transom
- c) Oriel
- d) jalousie



What is the name of this type of Tudor window?

Oriel window

What is the name of this type of construction?



Wattle and daub construction





What is the proper name of this style of roof?

- a)Gable
- b)Romanesque
- c)Mansard
- d)Rococo



What is the proper name of this style of roof?

- a)Gable
- b)Romanesque
- c)Mansard
- d)Rococo







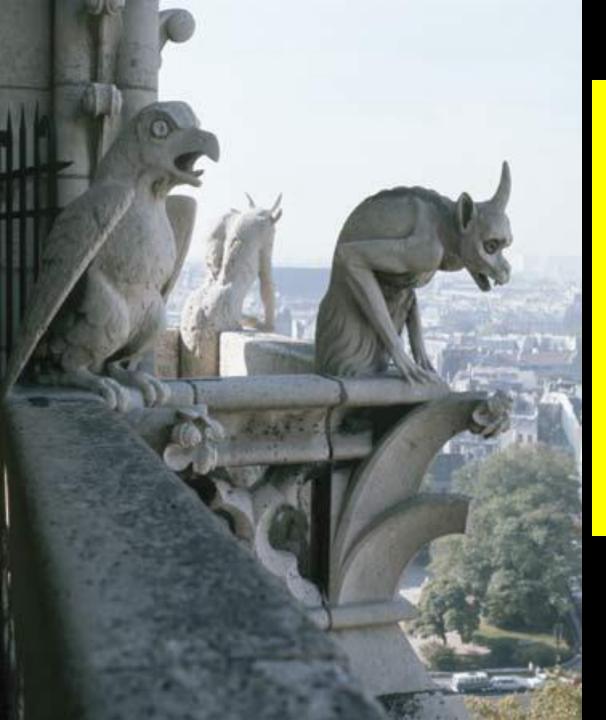


What is the style of this Victorian home?

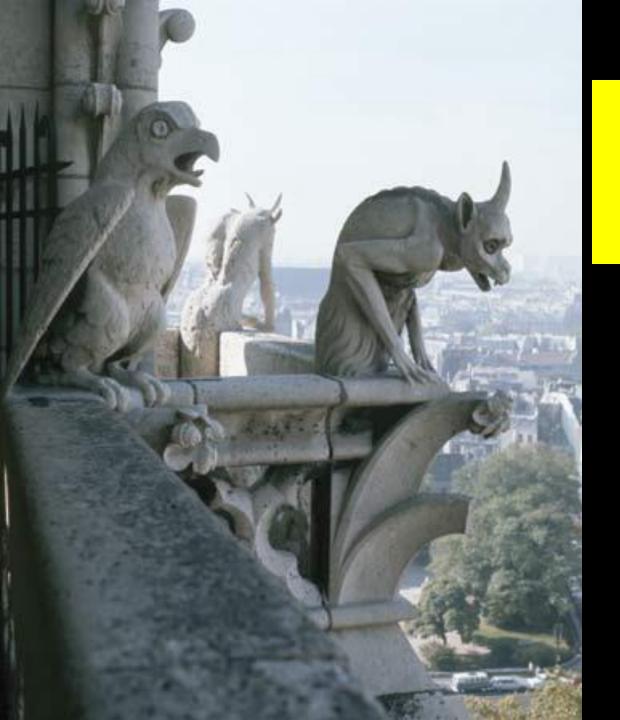


Queen Anne Victorian





What is the name given to this type of sculpture located atop a European church?



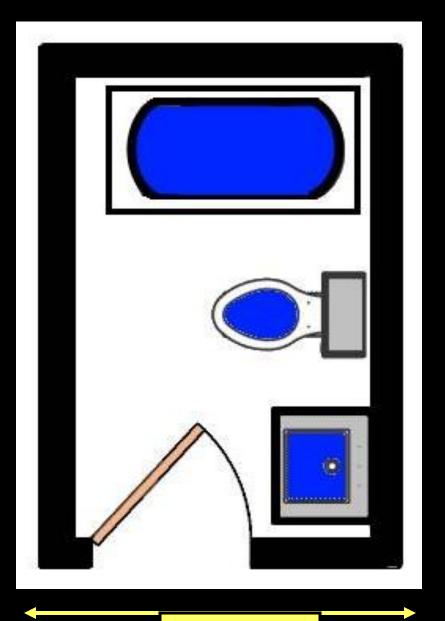
gargoyle

What is this architectural feature called?



What is this architectural feature called?

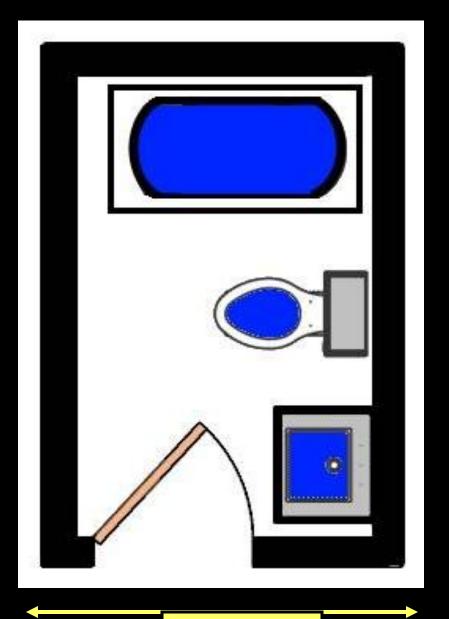




What is the square footage of this bathroom?

5 feet





8 feet x 5 feet = **40 square feet**

5 feet



What is the name of this type of exterior siding?



board and batten

What is the name of a triangular section of wall which meets the sloping roof?



Gable



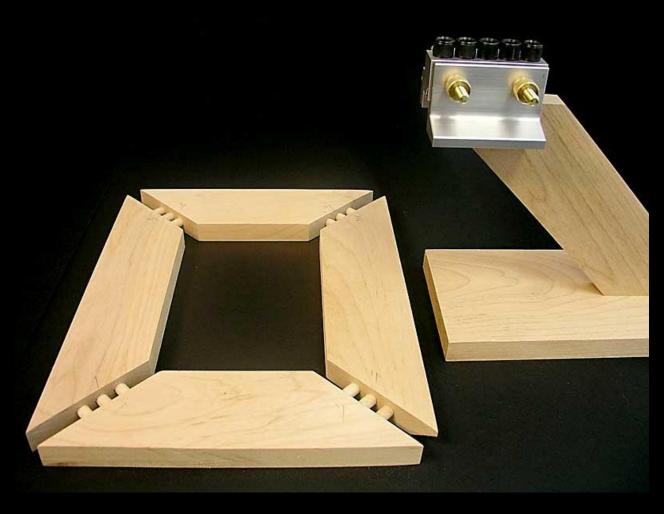


What is the name of the window located above the door?

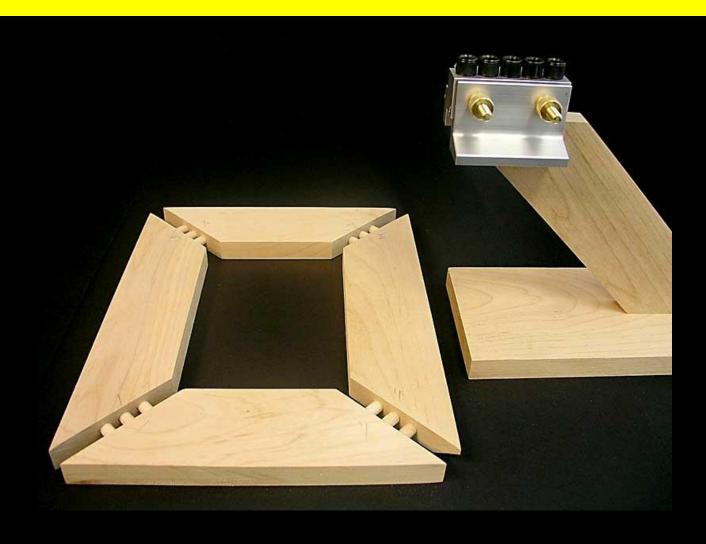


Transom window

What type of joint is seen in this photo?

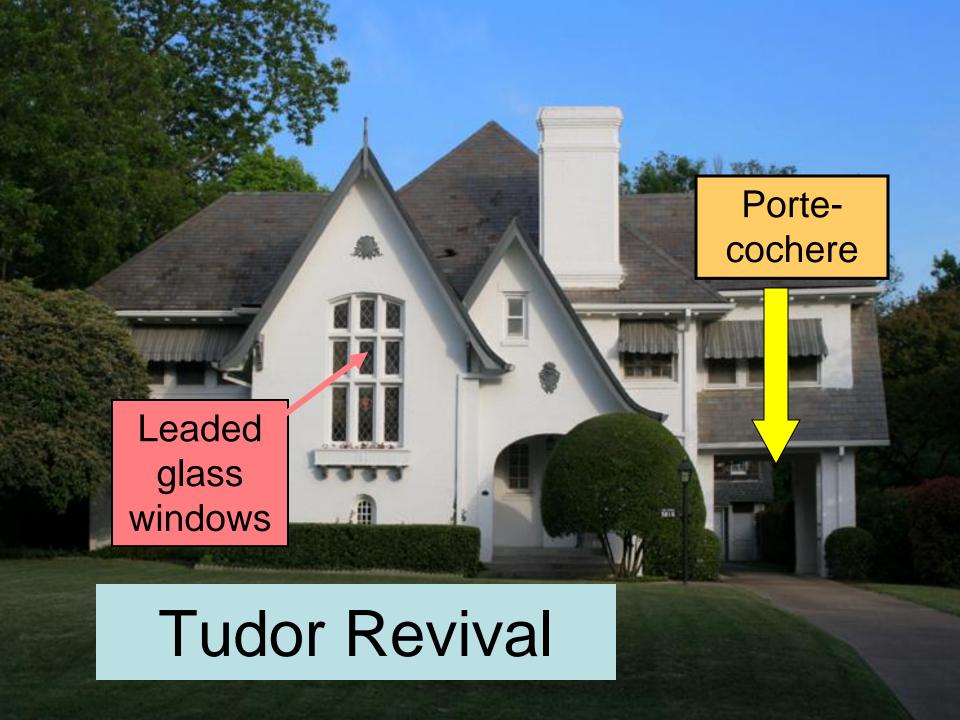


Mitered joint

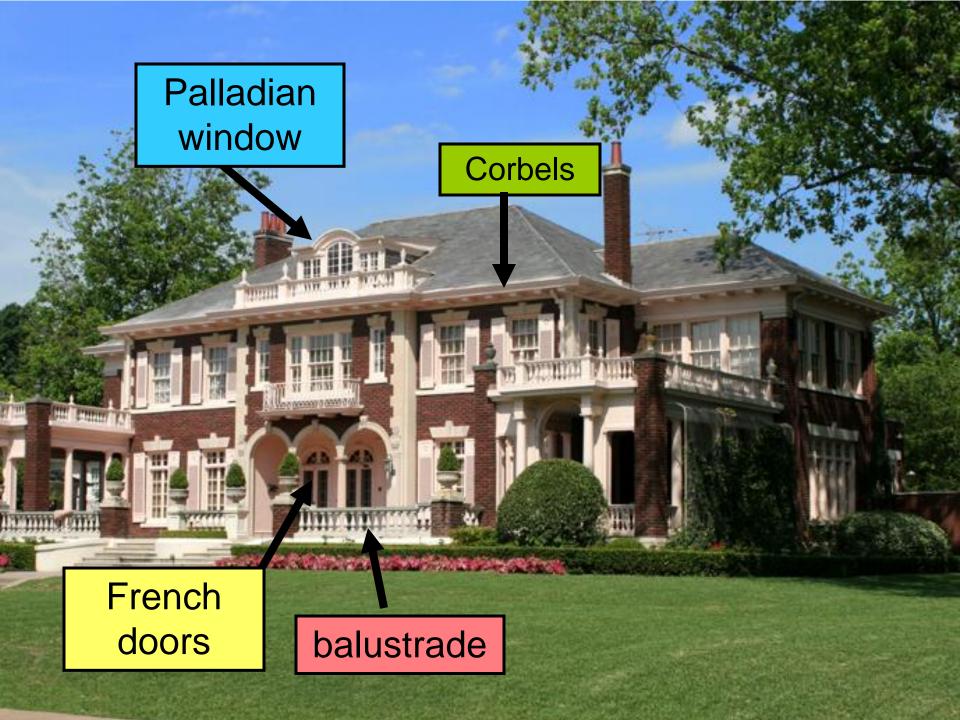




What is the style of this house?







In this Tudor Revival, can you find the merlons, embrasures (crenels) and a Tudor arch?

