Architectural Theory

All photographs by J. Wunderlich unless noted otherwise

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Agenda

Architectural vocabulary

Some personal designs

Architectural Vocabulary

- Form
- Scale
- Behavior
- Context
- Proportion
- Balance

- Symbolism
- Tastes
- Anthropomorphism
- Color
- Texture
- Rhythm

Form

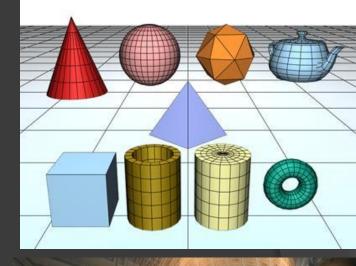
- Recently in the U.S. and many developing countries we accept geometric shapes with sharp edges
- In the past, Euclidian (columns, domes) were more accepted
- Louis Sullivan, and later Frank Lloyd Wright and various Modern Architects would say,

"Form follows function."

However Frank Lloyd Wright said:

"Form follows function - that has been misunderstood. Form and function should be one, joined in a spiritual union."

We will discuss later Frank Lloyd Wright's inspirations from Japan, and the development of his "Organic Architecture"

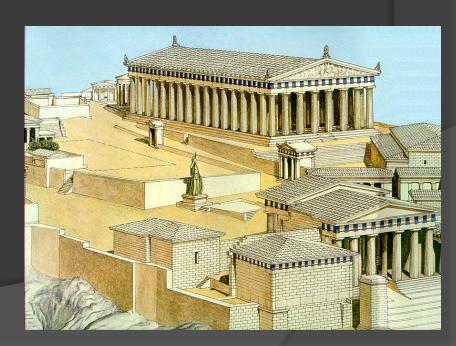






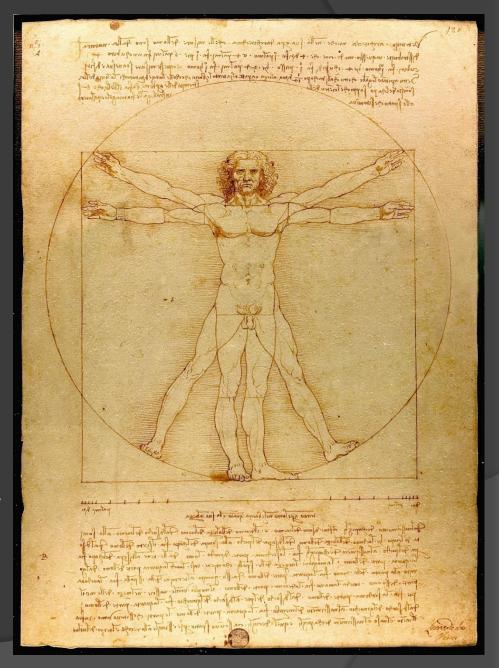
Scale

- Architecture may relate to the <u>scale</u> of humans
 - If not, architecture may be
 - Monumental, impressive
 - Intimidating, frightening
 - Columns on building can give illusion of scale
 - Surroundings and adjacent buildings can scale-up or scale-down a building



Behavior

- Bodies create space
 - Activities
 - Ergonomics
 - Group interactions
 - Beliefs
 - Movement through spaces
 - Flow interior to exterior
 - Bank of widows and French doors invite outside in



Context

Architecture can be an expression of a time

Can relate to other buildings

Can relate to land

Be "Organic"!



Photograph by other





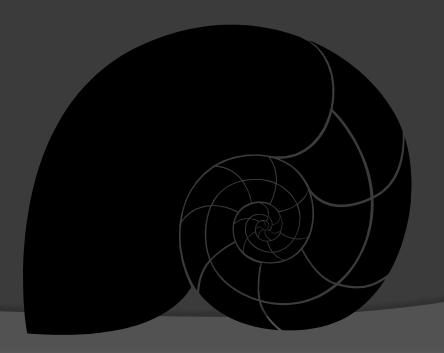


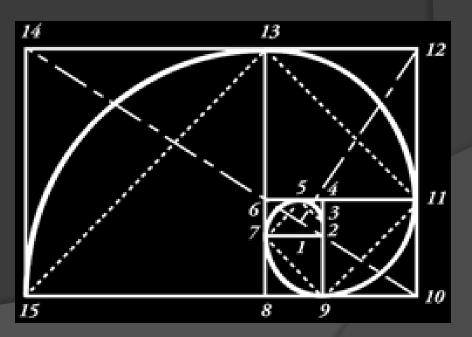


Proportion



- Relation between spaces
 - Between rooms in a floor plan
 - Between elements of a facade





Balance

- Symmetry
 - May symbolize order, or wealth
 - May put people at ease (perceived stable)
- Asymmetry
 - Can symbolize revolt
 - Can evoke feeling of movement & excitement, or comfort
 - Can arise from organic vernacular growth
 - Medieval cities
 - Frank Lloyd Wright made entrances low and dark to surprise you with the final destination
 - Also, light at end of corridor draws you in



Symbolism

- Power
- Status
- Change
- Tradition
- Spirit





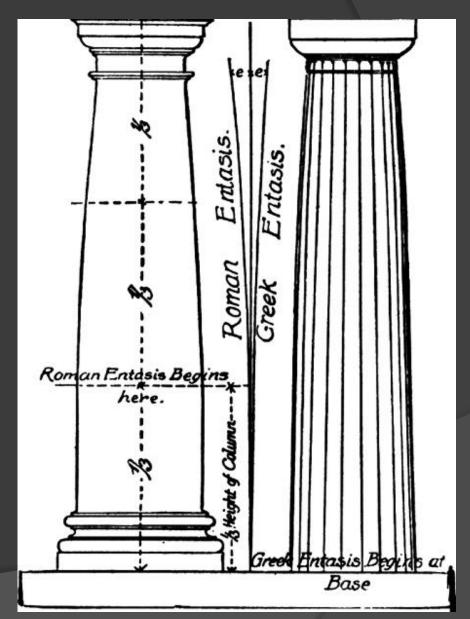
Tastes

Change over time

Vary across cultures

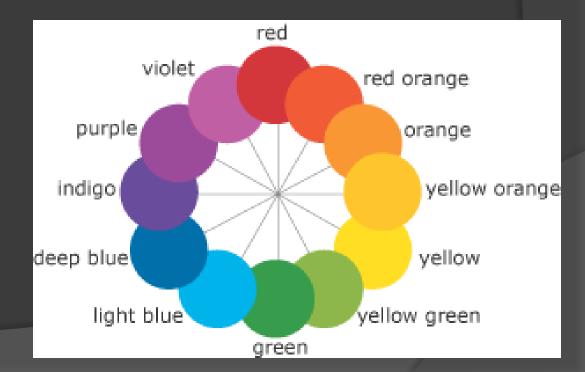
Anthropomorphism

- Animate the inanimate
 - Equate columns with humans
 - "Entasis" in columns is a slight curvature to resemble hips



Color

- Harmonized colors
 - Use different hues of same color or pair hues of colors close to each other on color wheel



Texture



Ordered



Smooth



Rough

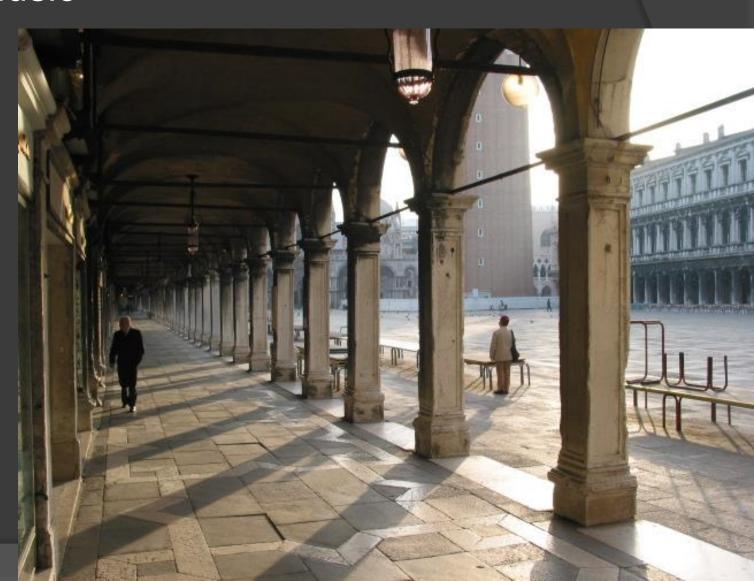


Rhythm

• Like Music









Rhythm





VIDEO:

https://www.youtube.com/watch?v=36Fmp2pVKOc



Some J Wunderlich Personal Case Studies

JT Wunderlich 1977 (age 16)

3rd prize

Philadelphia Municipal Building

Pennsylvania state-wide Architectural Design Competition

ARCHITECTURE THEORY (2015 reflection)

- Form = interconnected octagons
- Scale = human
- Behavior = welcoming, serving
- Context = metropolitan city center
- Proportion = complimenting octagons
- Balance = symmetrical
- Symbolism = democracy, leadership
- Tastes = simple geometric forms
- Anthropomorphism = none intended
- Color = uniform
- Texture = smooth, ordered
- Rhythm = radiating center
- STYLE = Modern



Doerring Development Company
Austin TX

Helped Design and Build a thirteen building office park







One of two IBM360 Computer Centers in complex



Doerring Development Company Austin TX

- Wrote architectural and engineering specifications
- Worked under registered Architect at Doerring Development Corporation, one of the companies of Doerring & Associates
- Managed all construction (Doerring acted as General Contractor)

n today's highly dynamic financial markets, investors require a real estate investment partner who is truly capable of managing their investment needs. One with a proven track record, a history of success, and the resources to provide expert personalized counseling and investment services.

Based on those demands and qualifications, Doerring is the type of partner that institutional and individual investors can count on. In good times. And bad.

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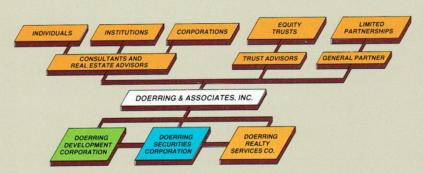






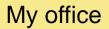
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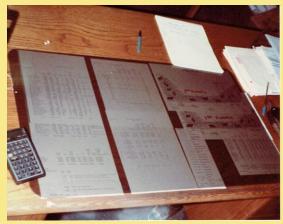
JT Wunderlich 1984,85

Doerring Development Company
Austin TX



"Project Manager" / Designer







Doerring Development Company

Austin TX

ARCHITECTURE THEORY (2015 reflection)

- Form = sharp-edged cubes
- Scale = monumental cluster
- Behavior = private work spaces
- Context = minimal imposition on landscape
- Proportion = parallelogram-buildings; complimenting each other
- Balance = asymmetrical
- Symbolism = changing, but complimenting, the natural landscape
- Tastes = simplicity
- Anthropomorphism = none
- Color = reflective black (camouflage)
- Texture = smooth, ordered
- Rhythm = melodic site plan
- STYLE = Modern





High-tech office complex in San Diego CA JDC inc (Development Company), La Jolla CA

- On Architectural Design Team
 (as Developer's Representative "Director of Projects")
- Added significant Architectural Design
- Project nominated for annual San Diego "Orchid Award"



JT Wunderlich 1985,86 La Jolla. CA

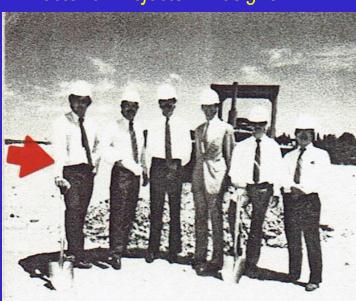
Xscribe Corp., the nation's largest manufacturers of computeraided court transcription systems, will occupy 60 percent of this complex.

Xscribe — currently housed in three separate locations at Kearny Mesa, Carroll Canyon and Torrey Pines — found a need to consolidate its facilities into one central headquarters.

The five-year built-to-suit lease contract calls for construction of a two-story, 60,000-square-foot structure. A compatible, three-story 44,000-square-foot office building will be erected adjacent to Xscribe's facility, surrounding a common courtyard.

"Director of Projects" / Designer







La Jolla, CA

66,000sf hi-tech office and light manufacturing

• 44,00sf office building

"Director of Projects" / Designer

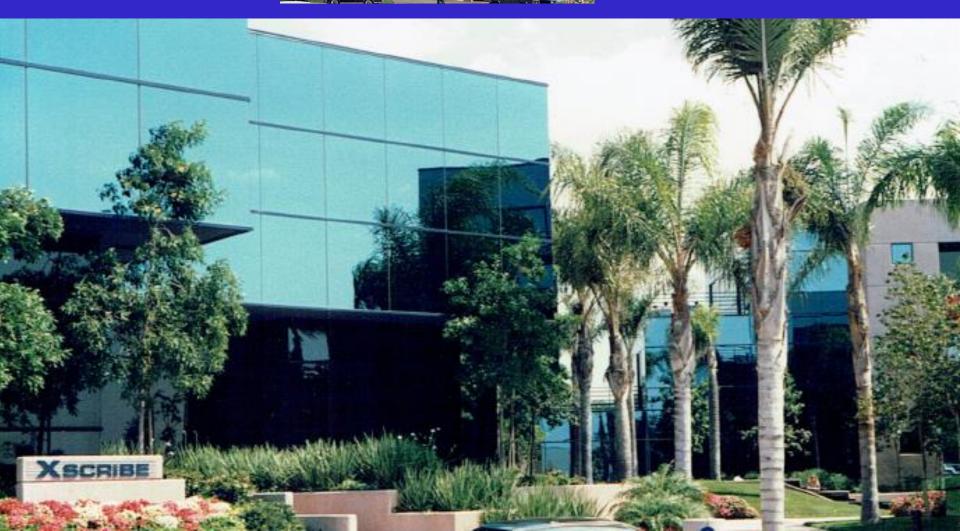




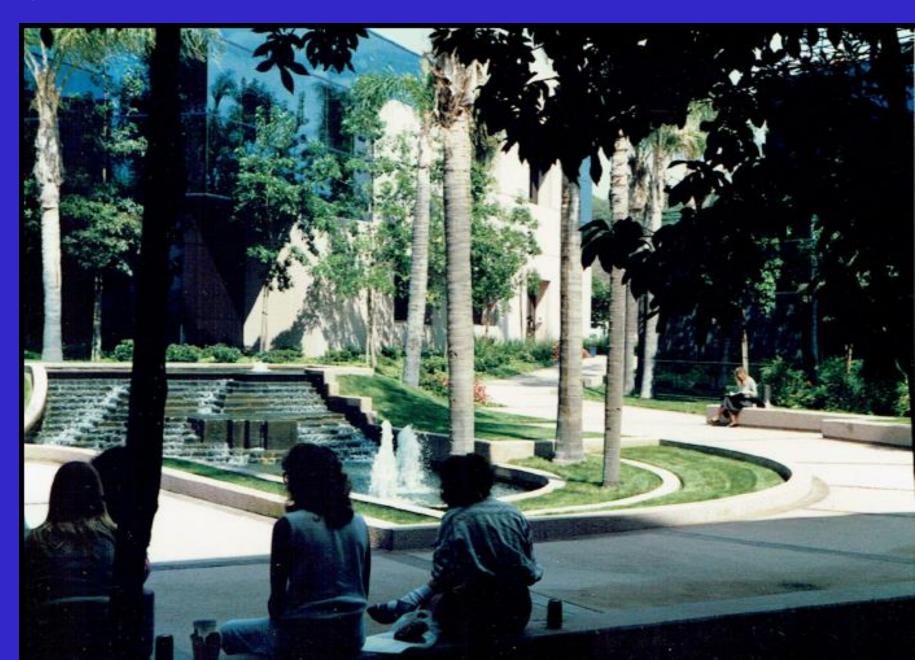
La Jolla, CA



"Director of Projects" / Designer



La Jolla, CA



JT Wunderlich 1985,86 High-tech office complex in San Diego CA JDC inc (Development Company), La Jolla CA

ARCHITECTURE THEORY (2015 reflection)

- Form = sharp-edged cubes
- Scale = both human & monumental
- Behavior = outgoing, but peaceful within
- Context = San Diego high tech
- Proportion = blue cube in pink shell
- Balance = asymmetrical
- Symbolism = change, birth, tech
- Tastes = cubic with soft connections
- Anthropomorphism = emergence
- Color = pastel pink, blue, green
- Texture = smooth, ordered
- Rhythm = harmonized
- STYLE = Modern





JT Wunderlich 1987

Design/Builder

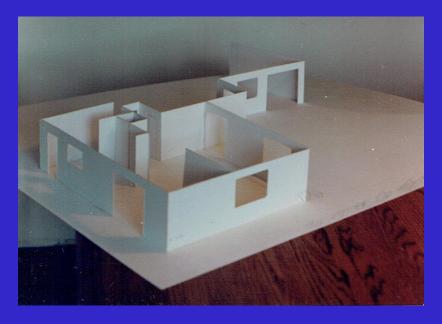
1000sf Calivita Remodel San Diego, CA

Before





San Diego, CA







JT Wunderlich 1987

San Diego, CA







JT Wunderlich 1987







Also work in kitchen and bedrooms - No pictures taken

JT Wunderlich 1987

1000sf Calivita Remodel San Diego, CA

ARCHITECTURE THEORY (2015 reflection)

- Form = rectilinear & Euclidean
- Scale = human
- Behavior = nesting
- Context = San Diego
- Proportion = paired rectangles
- Balance = asymmetrical
- Symbolism = tasteful upgrade
- Tastes = craftsmen, international
- Anthropomorphism = none
- Color = complimentary
- Texture = varied
- Rhythm = syncopated
- STYLE = Post-modern, craftsmen





JT Wunderlich 1989,90

Design/Builder

Wayne PA







Wayne PA



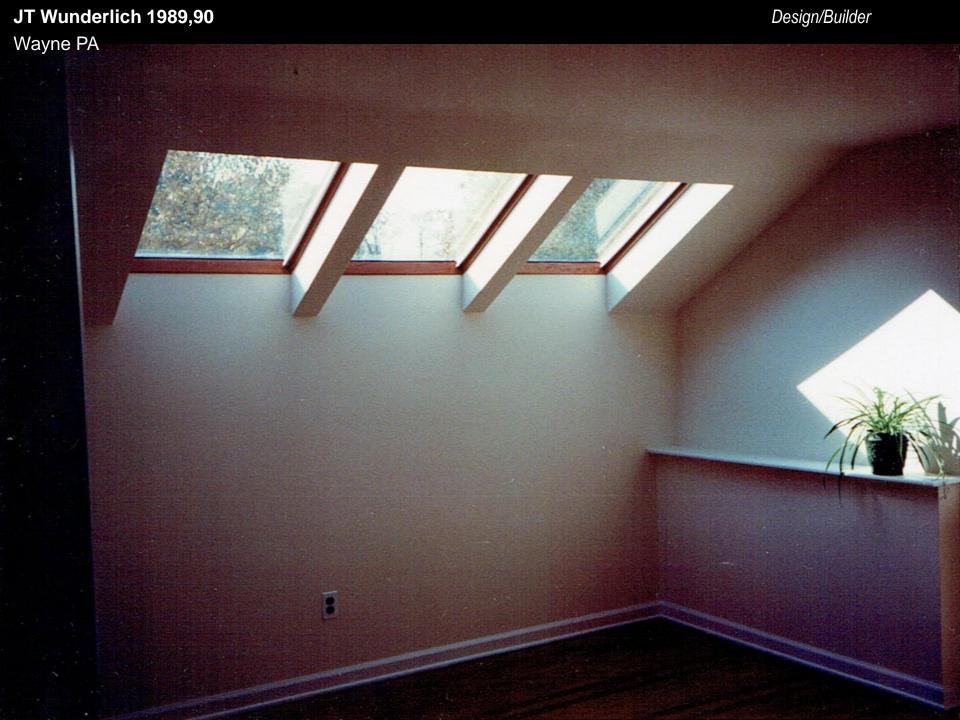


JT Wunderlich 1989,90 Wayne PA



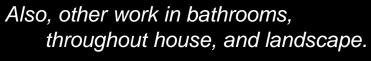






JT Wunderlich 1989,90









JT Wunderlich 1989,90

School Lane Remodel

Wayne PA

ARCHITECTURE THEORY (2015 reflection)

- Form = gables, vertical
- Scale = human \odot
- Behavior = home \odot
- Context = suburb \odot
- Proportion = vertical \odot
- Balance = symmetrical \odot
- Symbolism = raise the roof \odot
- Tastes = traditional \odot
- Anthropomorphism = none \odot
- Color = pastels, natural wood \odot
- Texture = smooth, ordered \odot
- Rhythm = slow tempo \odot
- STYLE = Colonial, Post-modern \odot









- Inspired by childhood on Philadelphia Main Line
- And trips to Europe



Site





THREE MAJOR DESIGN CHOICES







selected design

DESIGN CHOICE 3







Reminds me of this picture I took in St. Peters Cathedral in the Vatican in Rome after I had built this ->





Before and After





JT Wunderlich 2002

Southeastern Pennsylvania 2000sf remodel +1500sf new

4000 man hours

Only contract was shingles and concrete mix truck

No Employees



Homeowner / Design-Builder

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

ARCHITECTURE THEORY (2015 reflection)

- Form = cubes and gables, vertical
- Scale = human
- Behavior = home, animal reserve
- Context = Amish and Mennonite farmland
- Proportion = complimentary gables
- Balance = asymmetrical
- Symbolism = stability, family, framed vista's
- Tastes = traditional, simple elegance
- Anthropomorphism = none intended
- Color = white, grey, black
- Texture = smooth, ordered
- Rhythm = semi-syncopated
- STYLE = Post-modern, colonial, craftsmen

