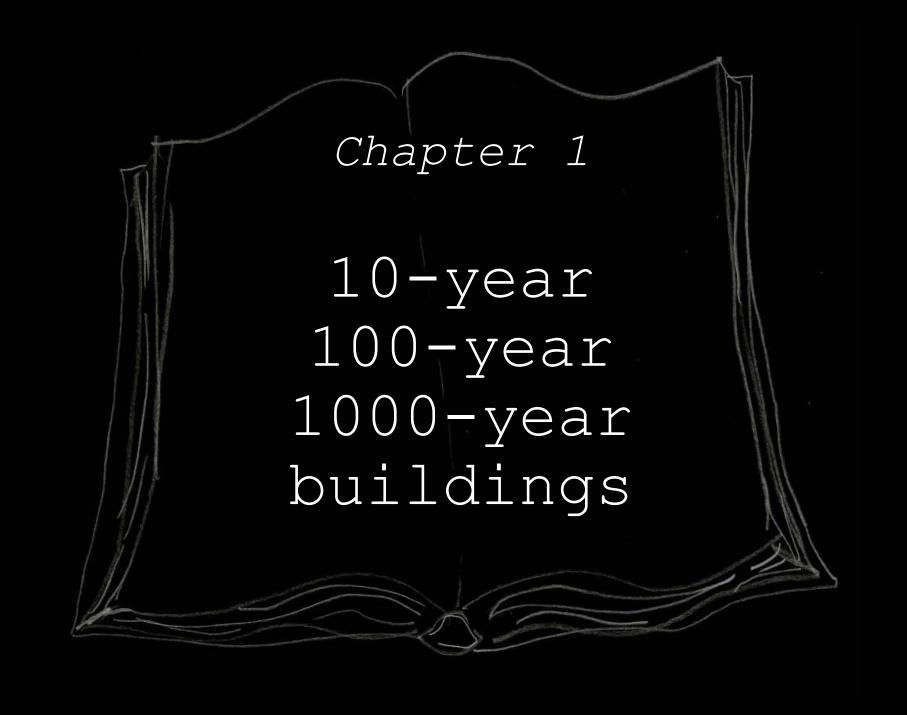
Architectural Koyaanisqatsi: 10-year, 100-year, 1000-year, buildings

Keith A. Simon, AIA, CPHC, BECxP, CxA+BE, LEED AP Adjunct Faculty, University of Texas School of Architecture Senior Associate at BES, a division of Terracon

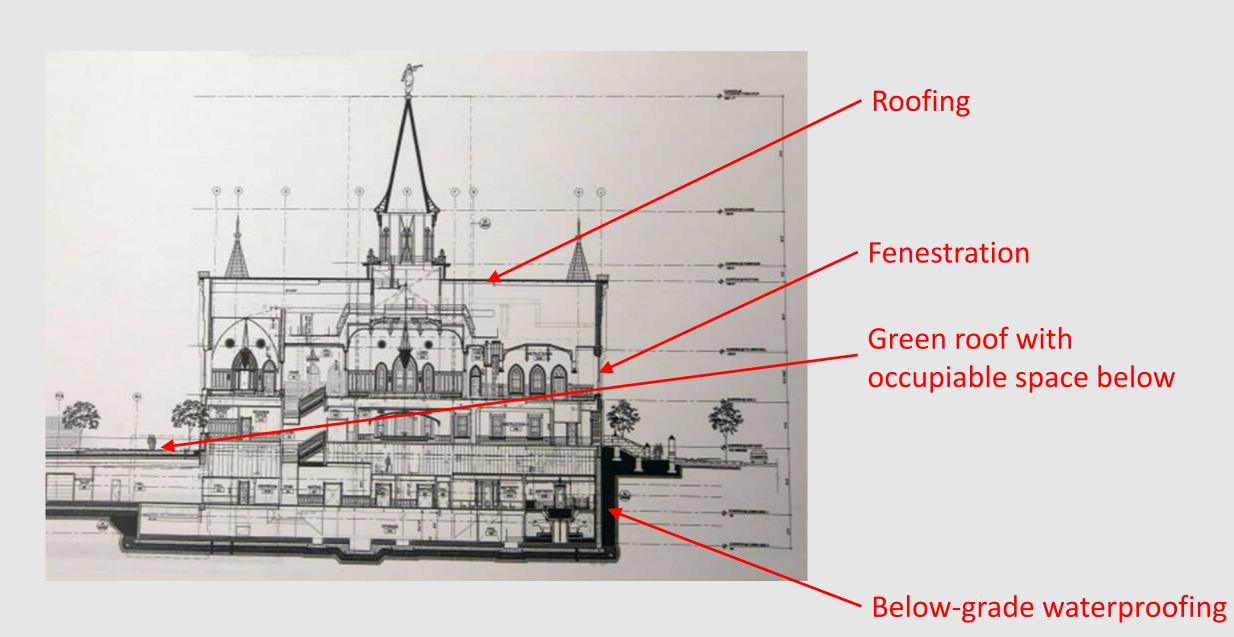


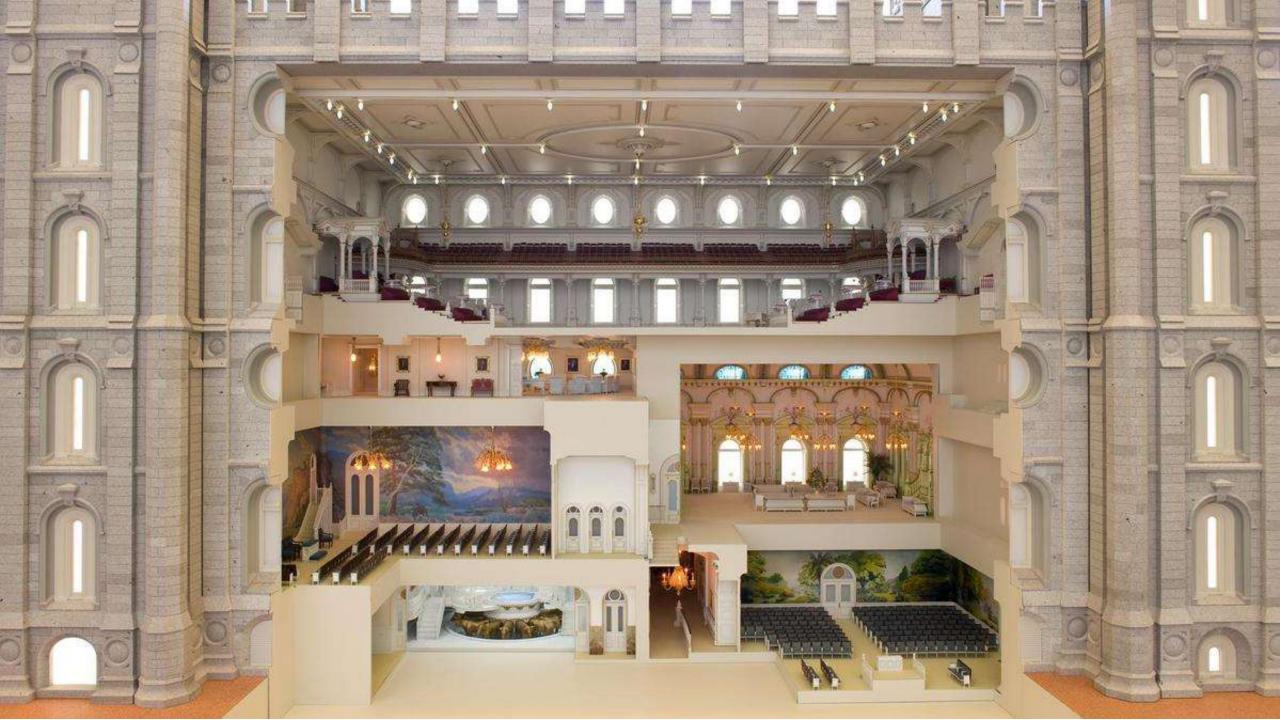




Mormon Temple, 1853 Salt Lake City

Architect Truman O. Angell



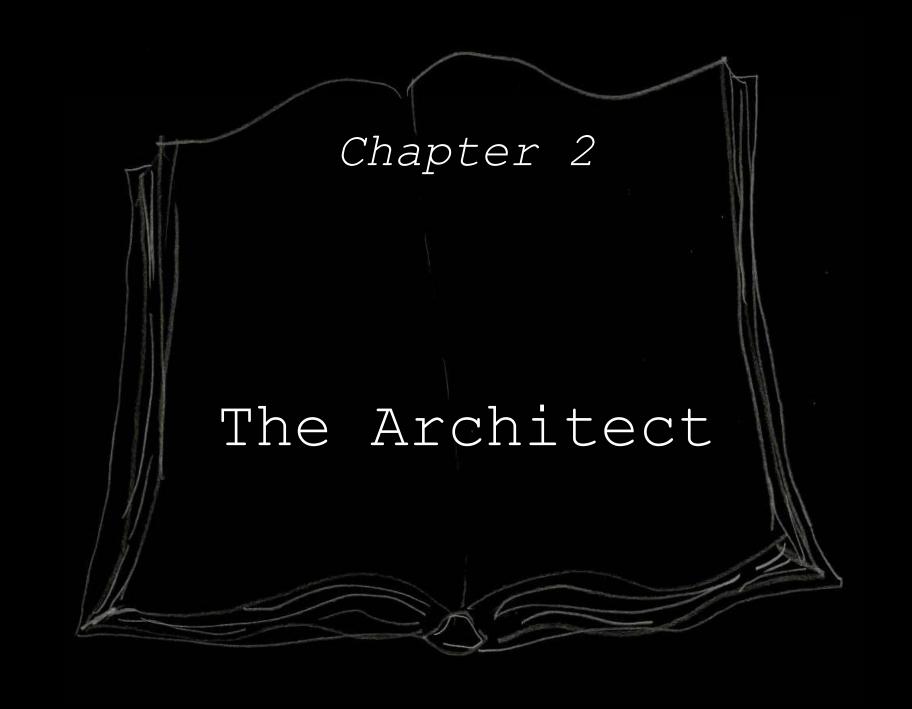


Constructed over 40-year period Used granite quarried from 23-miles away Walls are 9-feet thick at ground, tapers to 6 Maintenance and upkeep are unquestioned Style has elements of Gothic and Romanesque Has survived two bombings and an F2 tornado



What do we teach in architecture schools?



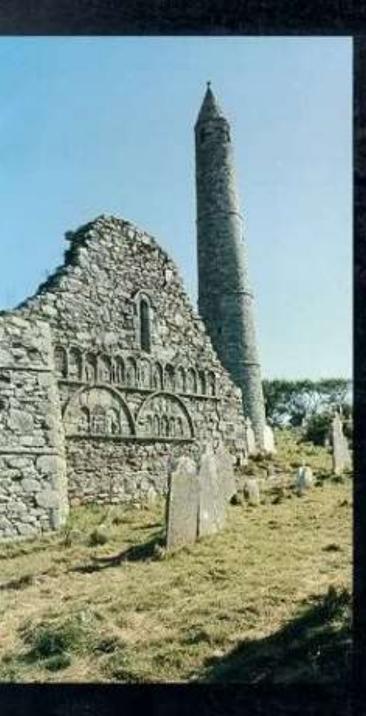




Malcolm Wells

The Architect



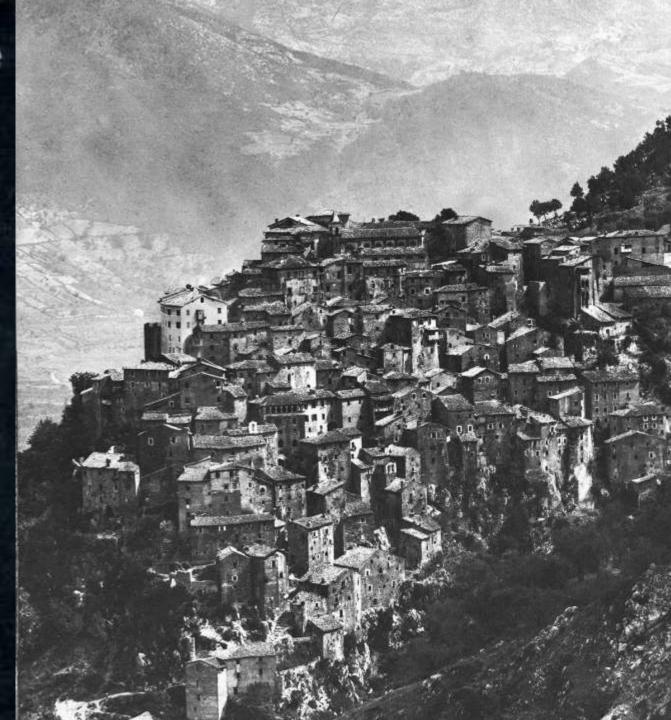


A Short Introduction to Non-Pedigreed Architecture



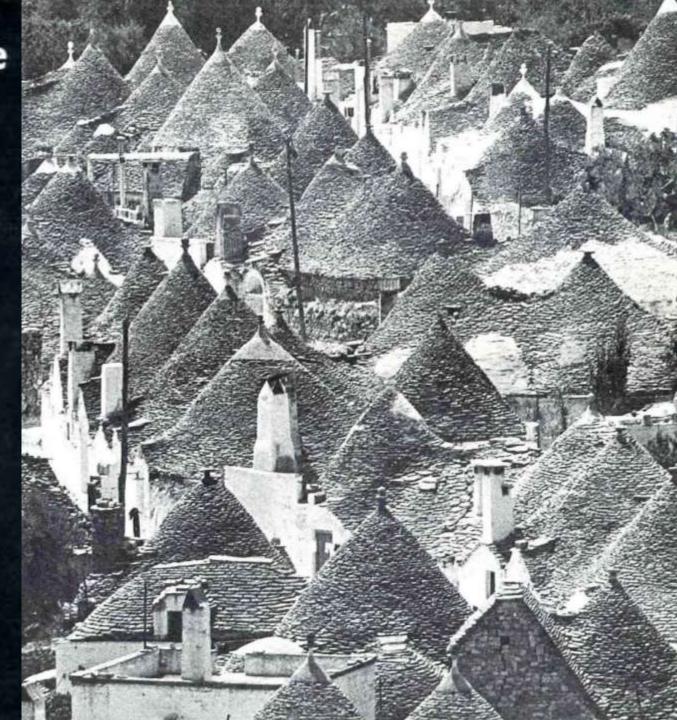


A Short Introduction to Non-Pedigreed Architecture





A Short Introduction to Non-Pedigreed Architecture



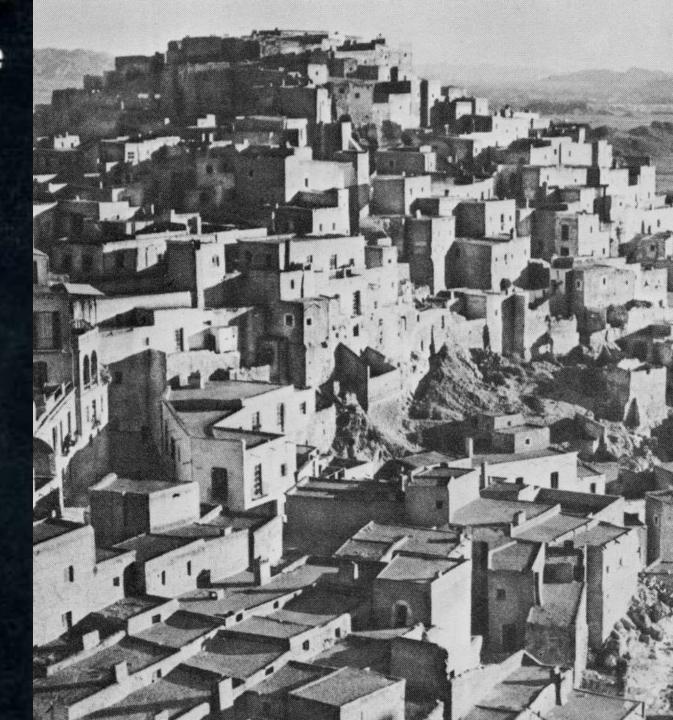


A Short Introduction to Non-Pedigreed Architecture





A Short Introduction to Non-Pedigreed Architecture





A Short Introduction to Non-Pedigreed Architecture





A Short Introduction to Non-Pedigreed Architecture

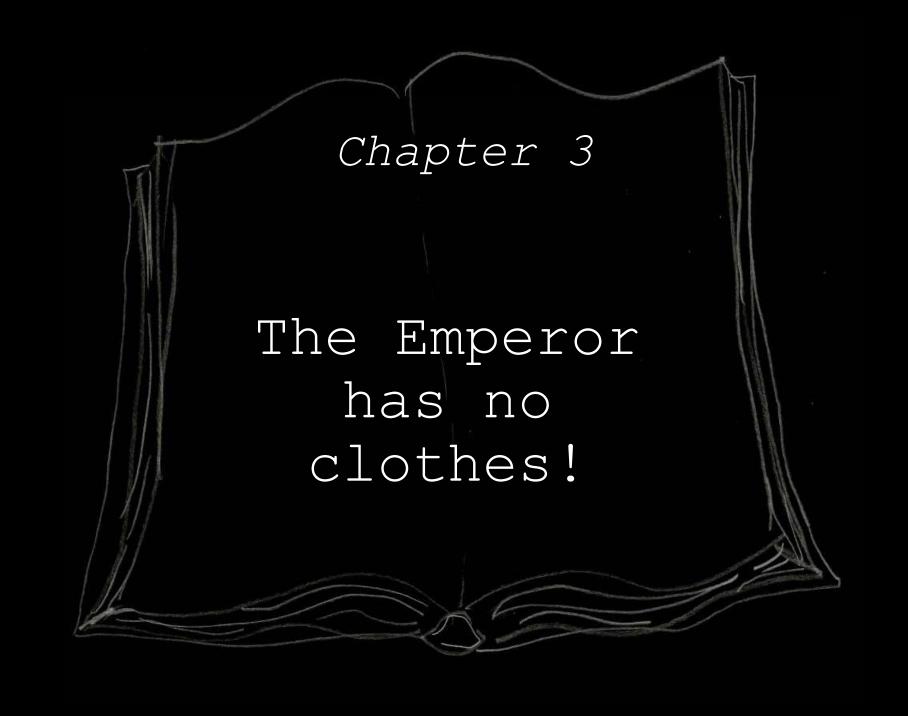




A Short Introduction to Non-Pedigreed Architecture



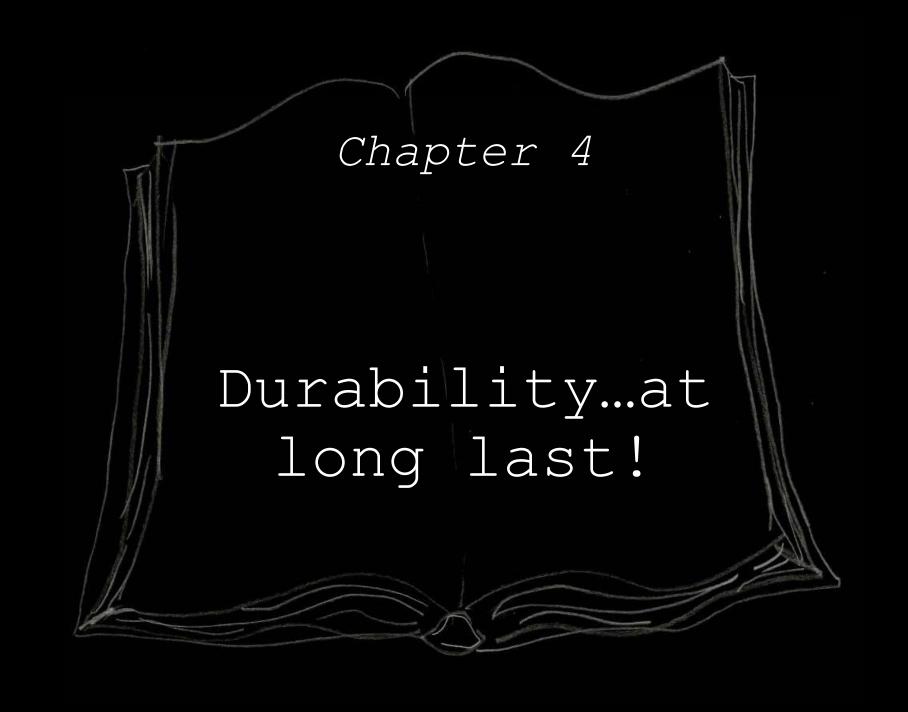


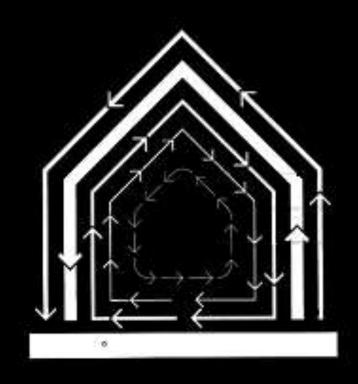


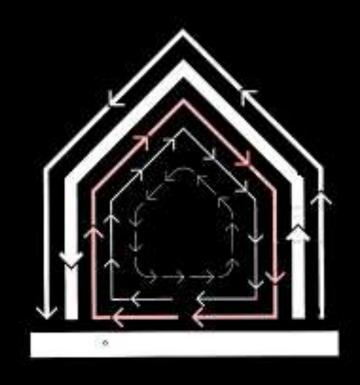


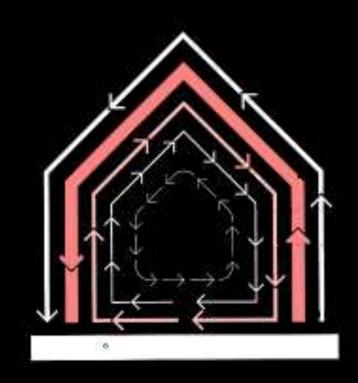




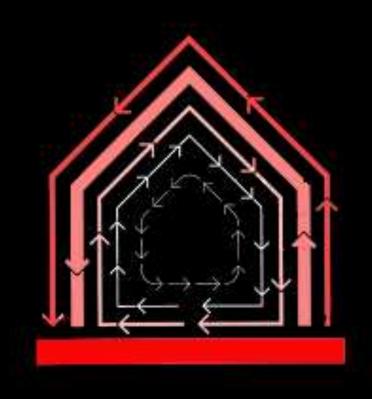


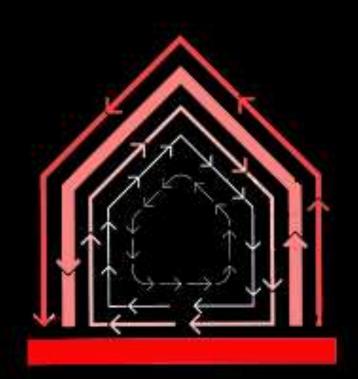












Durability

Life Cycle Cost

Institutional

Flipper

First Cost



Performance

Human Centered

Experience

Fashion

Style

Developer

Magazine Centered

When the height of fashion moves on, they're the ones left behind, stuck in a building that was designed to look good rather than work well, and now...

...it doesn't even look good.

- Stewart Brand

Arts and Crafts 1890-1920







HISTORIC HOMES FOR SALE

OLD HOUSE ARCHIVES RESOURCES OLD HOUSE AGENTS

From The Archives

c. 1910 Arts & Crafts (Craftsman)

Austin, Texas

ICAAS	- 2		10.	1
	-65	ž.		





Front view

Beautifully restored 1910 Craftsman Bungalow on oversized lot in Hyde Park

The Bailey-Houston House which has been designated a City Historic Landmark is considered to be Austin's premier Craftsman bungalow.

Scroll down for more information



Spacious living room with original Built-in bookcases separate the long leaf pine paneling, river rock formal living and dining rooms fireplace, beamed ceiling, built-in bookcases



Enlarged kitchen with tile floor, many windows, built-in cupboard

Kitchen



Listing No. 2754

ARCHIVE LISTING



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- * Pricing and Services
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Your Feedback

"The website is a pleasure to manage listing information from a

*Victorian*1837-1901

The Carson Mansion, 1886 Samuel and Joseph Cather Newsom



The Painted Ladies, 1890 Matthew Kavanaugh





International Style
Art Moderne
Art Deco
1920-1945









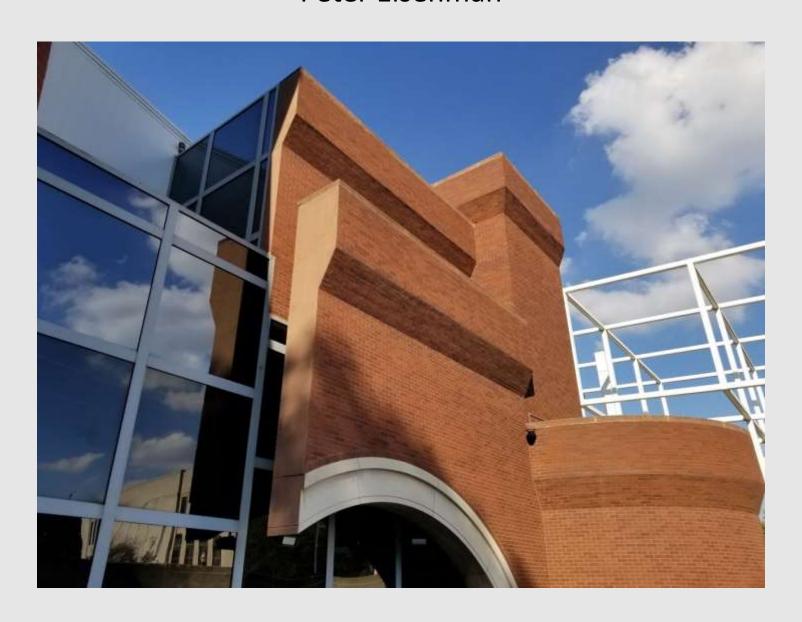
Postmodernism 1960-1990

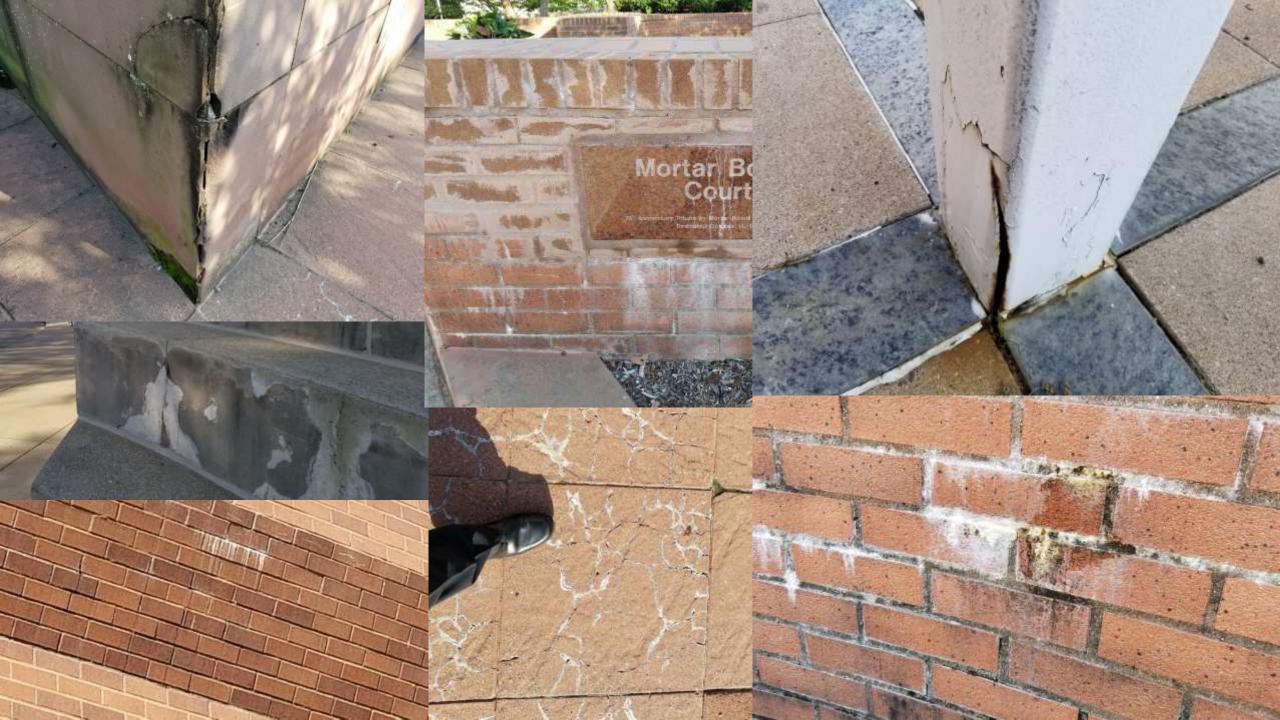


Water pumping station, Isle of Dogs, London, 1988 (John Outram) Reid and Peck / RIBA



Wexner Center for the Arts, 1989 Peter Eisenman





Brutalism1950-1975

Boston City Hall, 1968 Kallmann McKinnell & Knowles







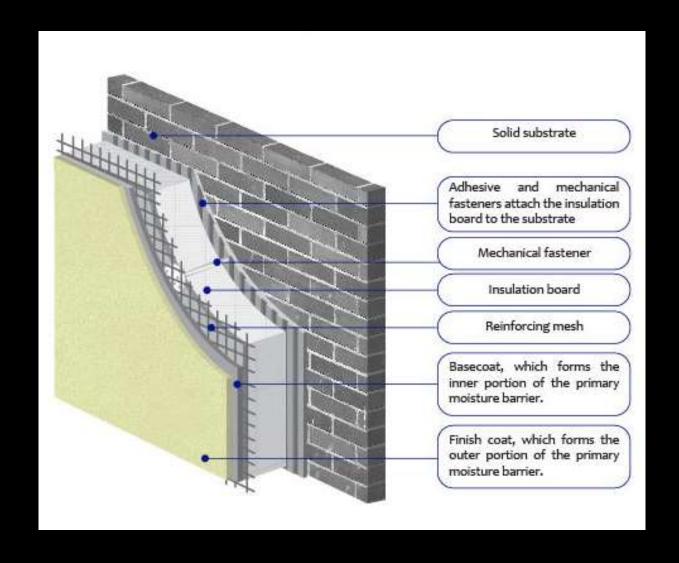




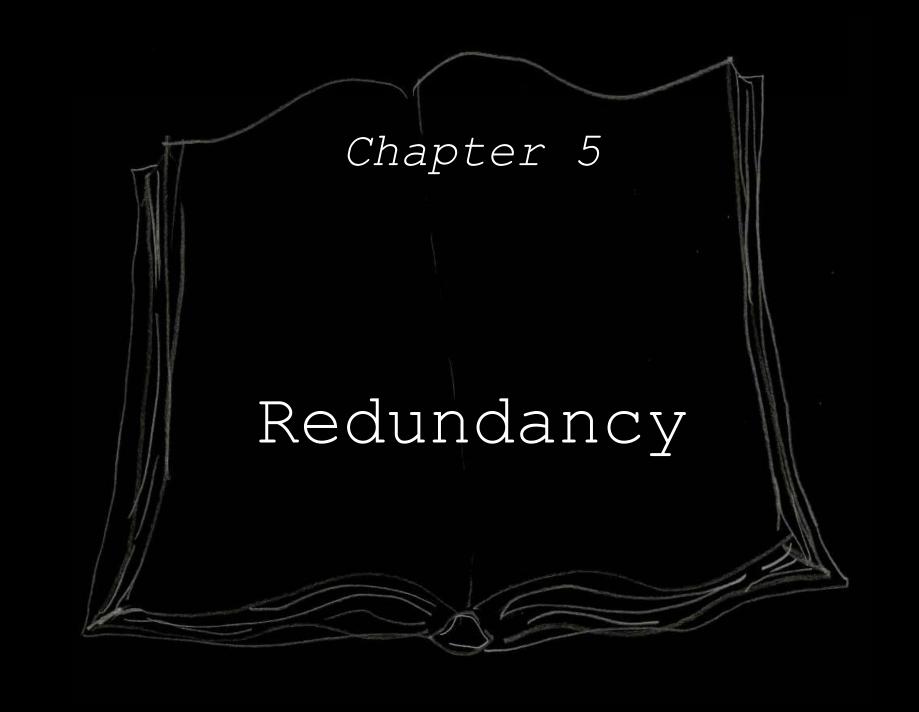


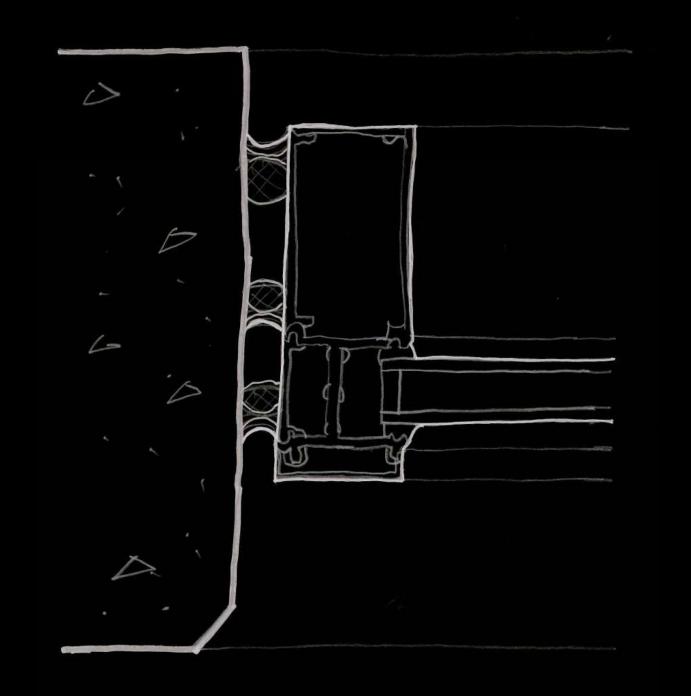


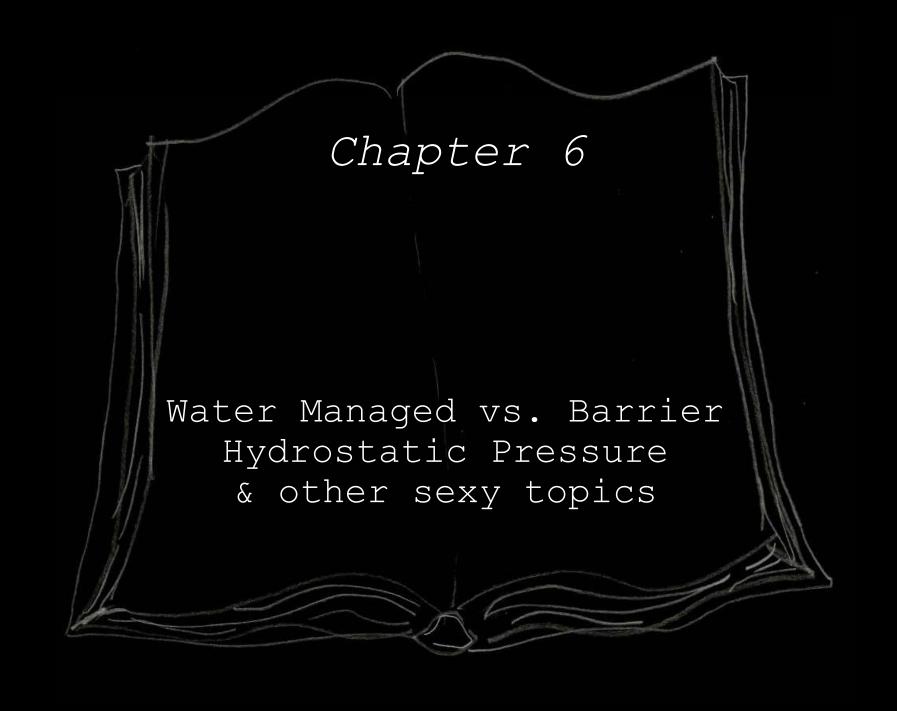




https://www.google.com/search?client=firefox-b-1-d&biw=1920&bih=966&tbm=isch&sa=1&ei=2vhzXPCRDcWIsQXZnIcw&q=wrapping+concrete+building+with+EIFS&oq=wrapping+concrete+building+with+EIFS&gs_l=img.3...77946.82264..82567...0.0..0.134.3205.31j5.....1....1...gws-wiz-img......35i39j0j0i67j0i5i30j0i8i30j0i24.c1iSrMcxo7c#imgrc=_gy779pByxFVsM:

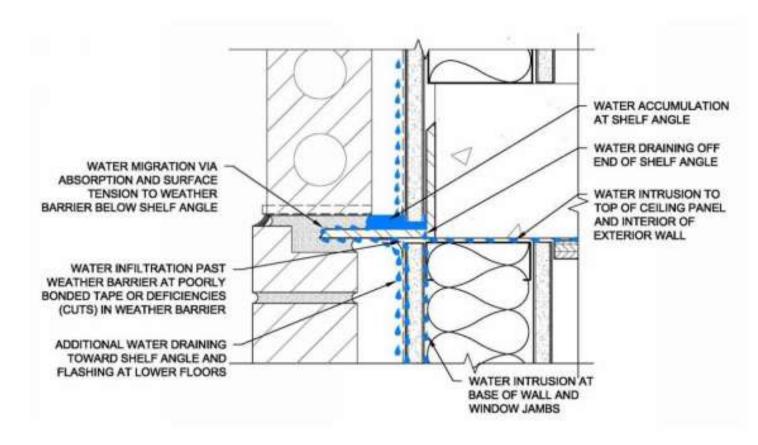






Clad Your Buildings in Garbage

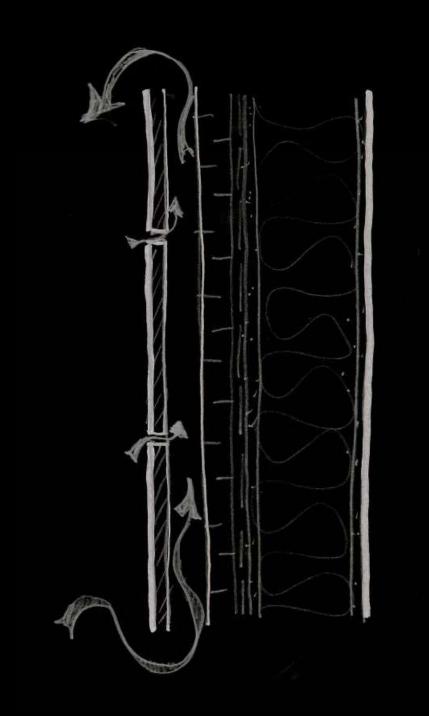




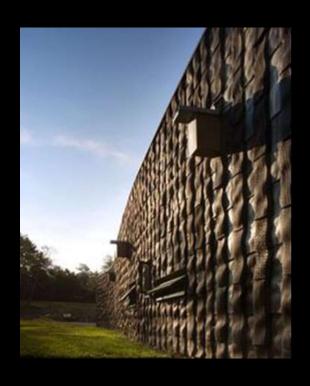








Bohlin Cywinski Jackson





Auburn Rural Studio

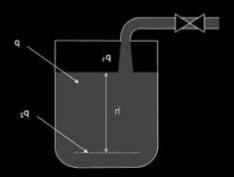


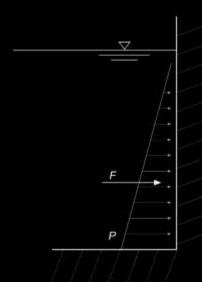




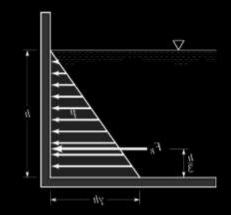
Trinity White Architecture



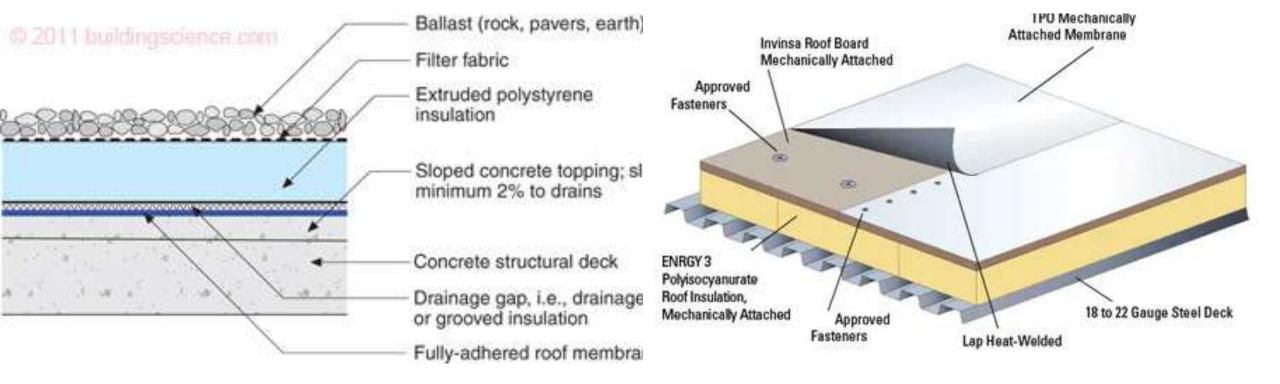


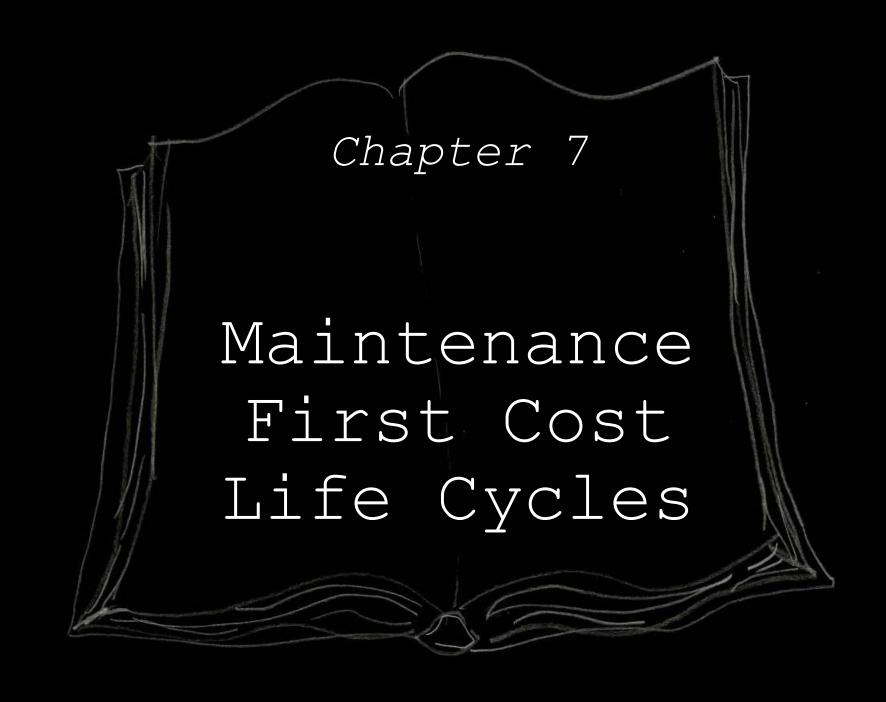


$P = \rho gh$





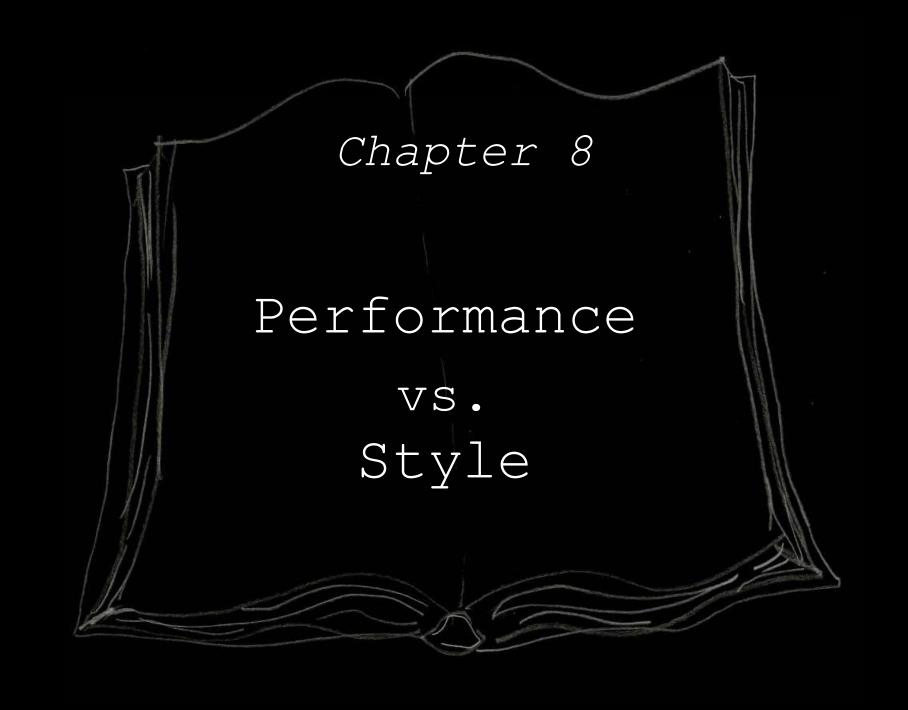




The Multifamily Irony







The Polyester of Brick - John Waters



























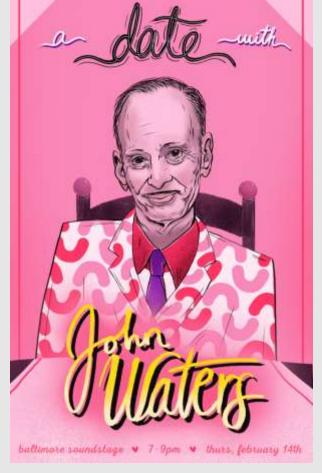


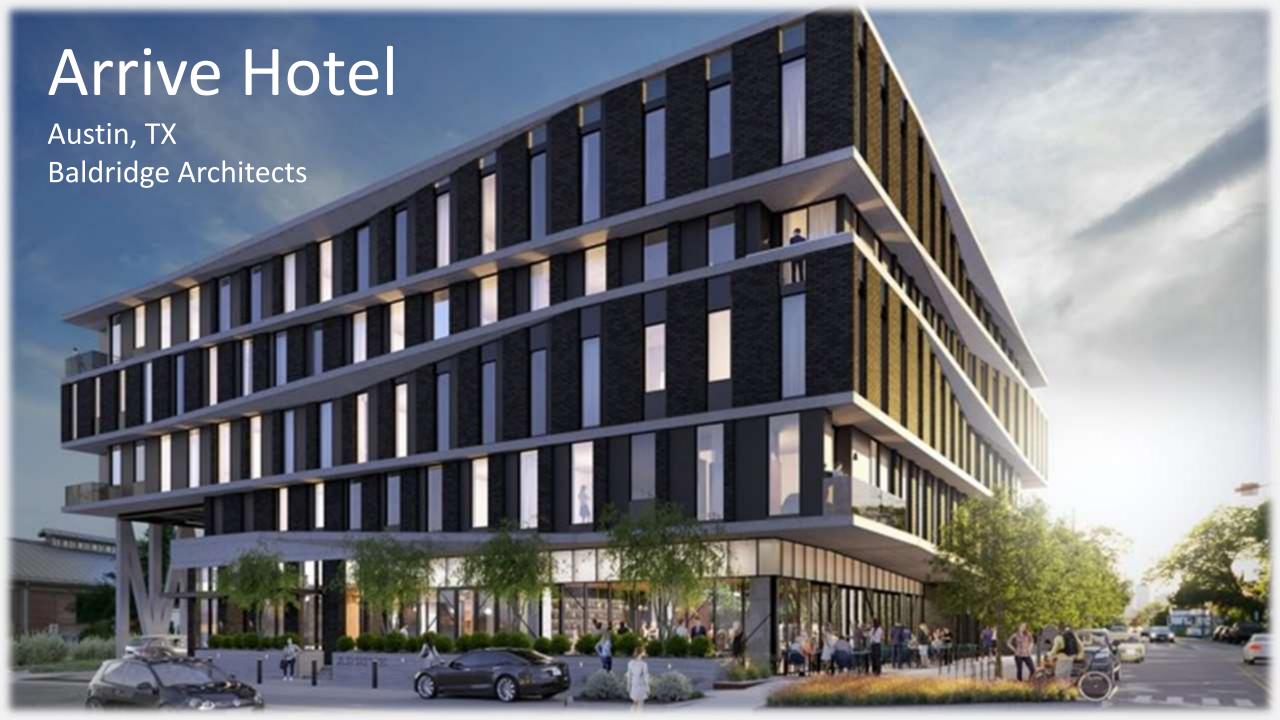


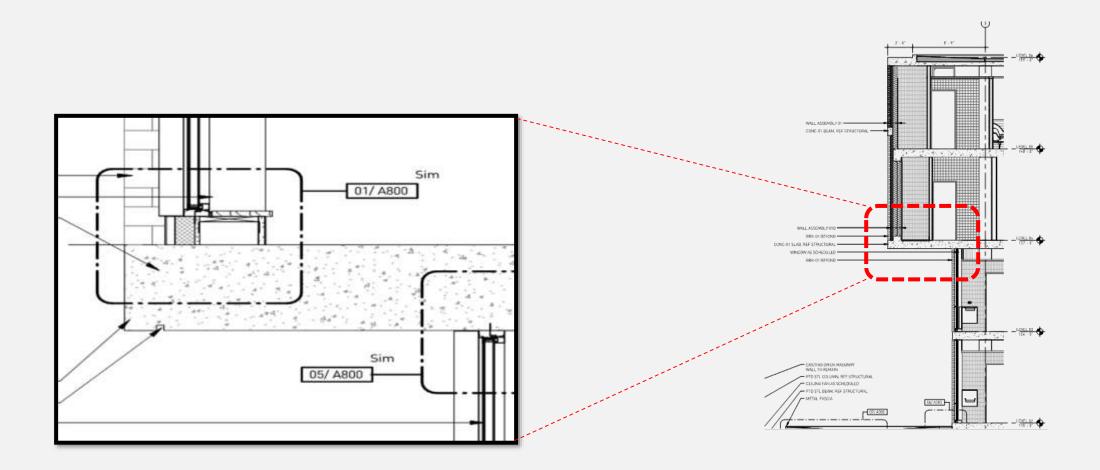












Thermal Comfort

- Air Temperature
- Humidity
- Air Flow/Circulation
- Mean Radiant Heat
- Metabolism
- Clothing



Human Comfort Cold Winter

PHIUS Feels: comfortable!

Session House Institute US

Temperate glass and wall surfaces and no drafts



PHIUS comfort definition: all interior surfaces w/in

Robert Bean FLOORING COMFORT

Floor Temperatures

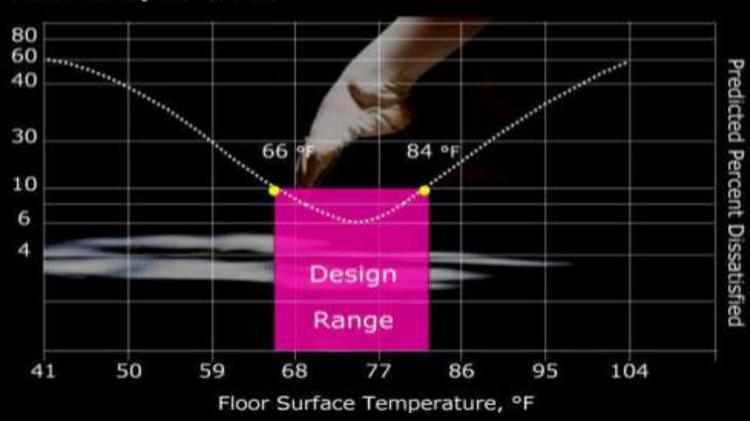




IMAGE **PERMANENCE** INSTITUTE

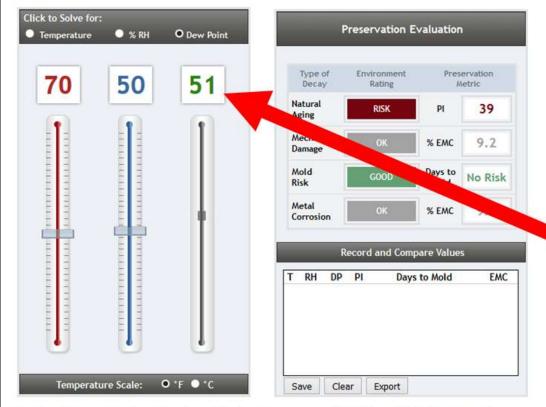
Home

How to Use

About

Welcome to the Dew Point Calculator

Use the sliders to explore combinations of temperature (T), relative humidity (RH), and dew point (DP) to compare the preservation quality of your environment. Knowing the dew point can help achieve long-term preservation of collection materials for libraries, museums, and archives. To report on your storage environment use the PEM2@ to record data and <a hre



The dew point temperature determines what combinations of temperature and RH will be possible in the storage environment.

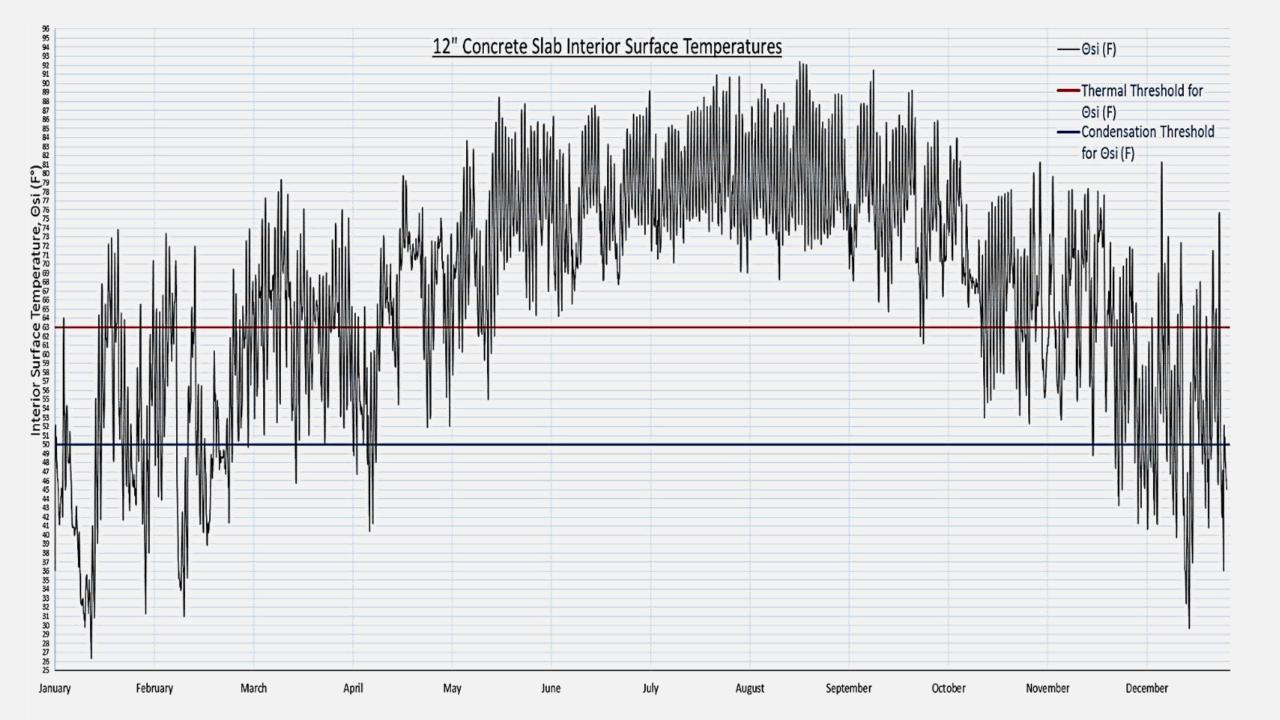
At a constant dew point, when the temperature goes up, the RH goes down and when the temperature goes down, the RH goes up. Controlling the days point is key to managing the risk of material decay. What's your days point? If you know the T & PH in

Dew Point Condensation Potential

Calculation of the Interior Surface Temperature (θsi) of the Cantilevered Assembly

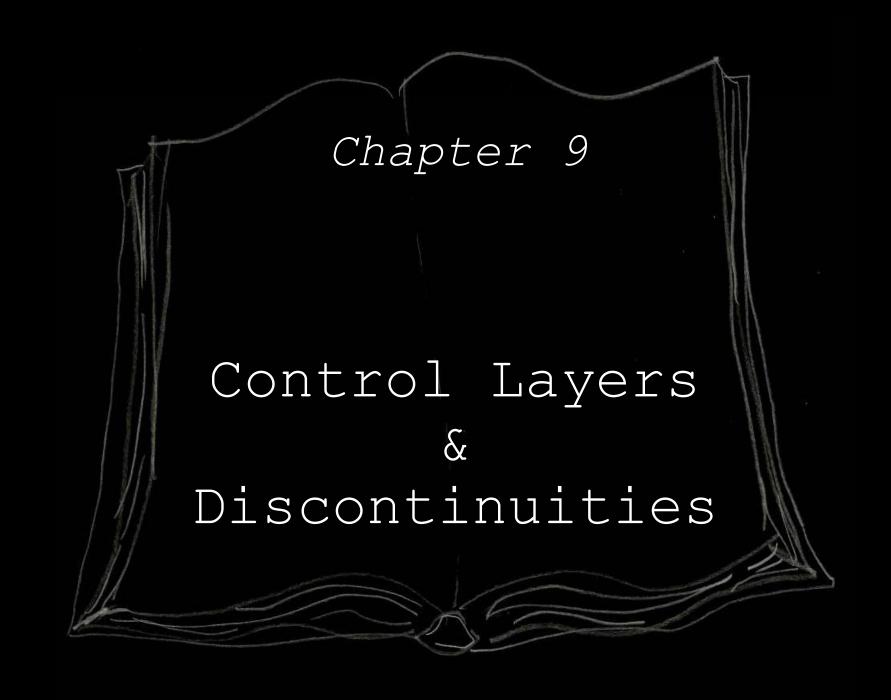
• $\theta si = \theta i - U * Rsi * (\theta i - \theta e)$

Θi:	Room temperature	70° F	
U:	U-value of the assembly	1.19	
		(12" Concrete Slab at 150 pcf)	
Rsi:	Interior surface film resistance	0.74	
Өе:	Outdoor temperature	Austin Climate Data	



RESULT: hours/year below required thersholds				
Concrete Slab Thickness	Thermal Comfort	Condensation		
12"	2920 (See Graph Below)	1077 (See Graph Below)		
Alternative Concrete Slab Thicknesses				
18"	2307	243		
12" with 1" ccSPF	0	0		





Thermal-bridge Free

• $\Psi \leq 0.006$ BTU/ hr. ft °F

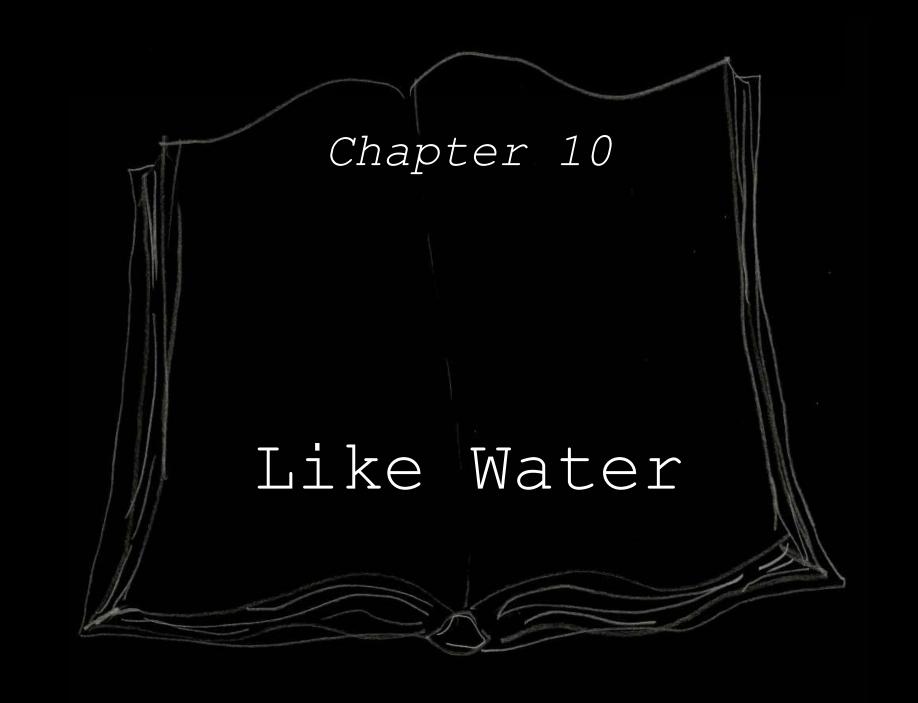






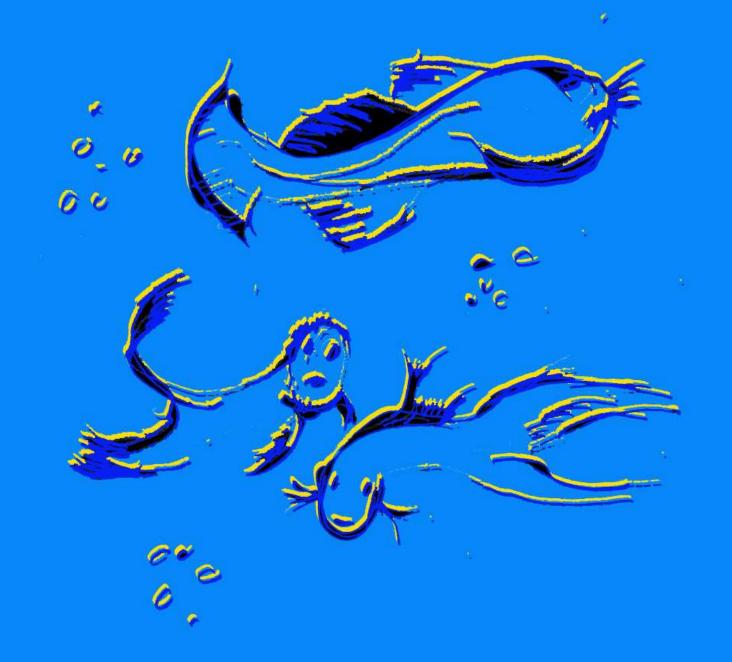




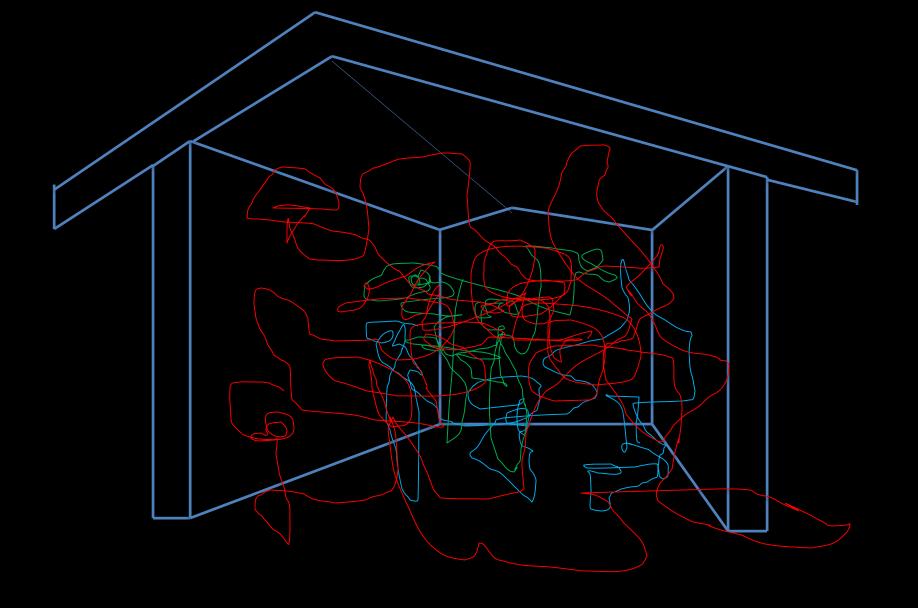


This is Water

- David Foster Wallace







Keith A. Simon

keith.simon@terracon.com 512-800-4485