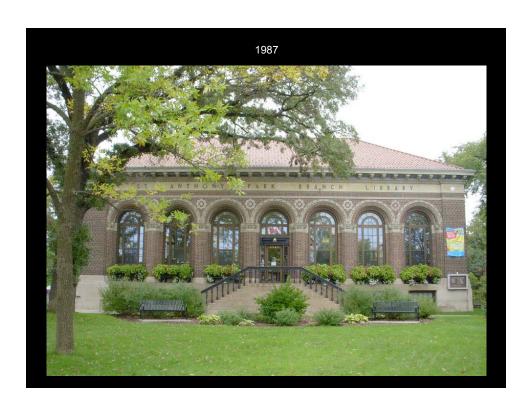
Loisos + Ubbelohde Associates

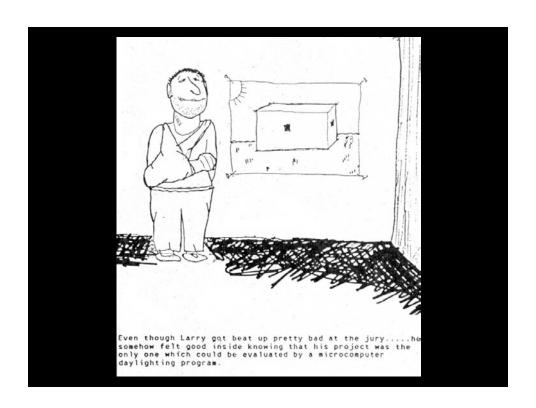
Architecture.Energy

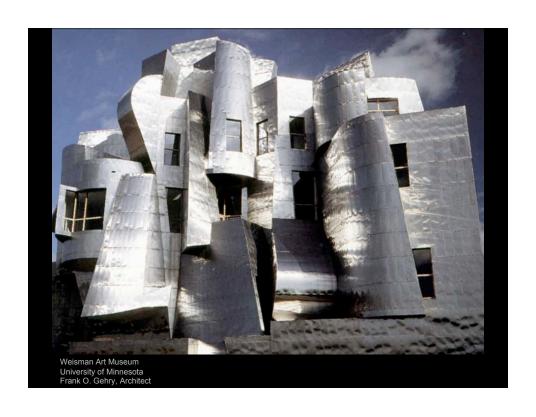
Alameda, CA

Thom Burnham
Susanna Douglas
Christian Humann
Brendon Levitt
Michael Martinez
Santosh Philip
David Scheer ³
Stephan Wasilewski
Toben Windahl

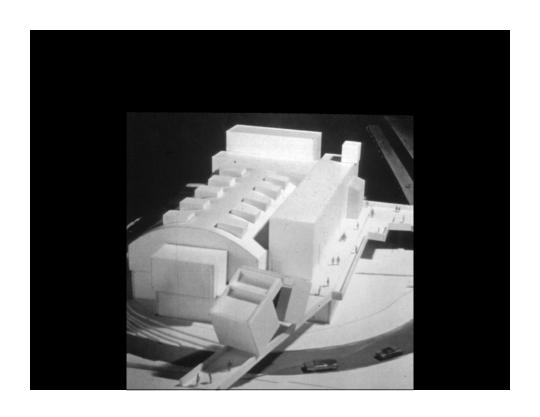
& Suki

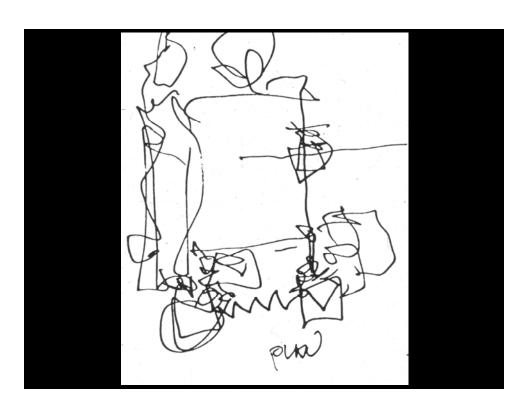




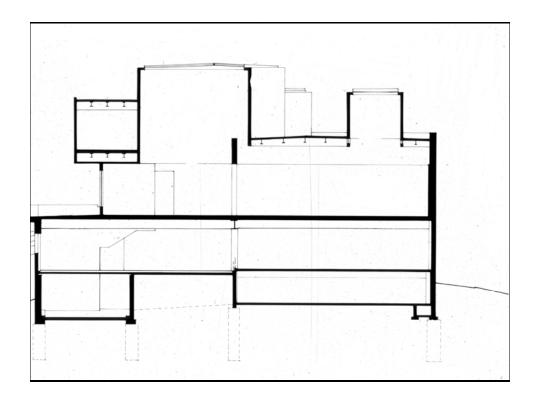


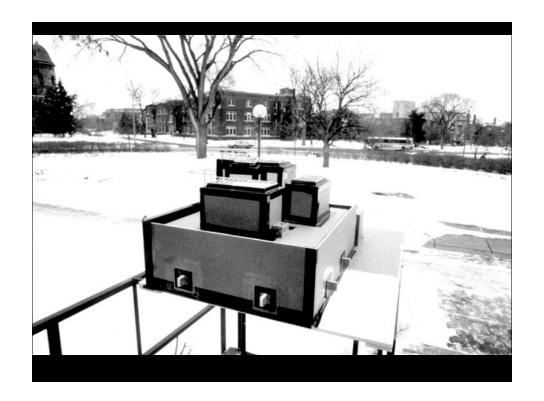




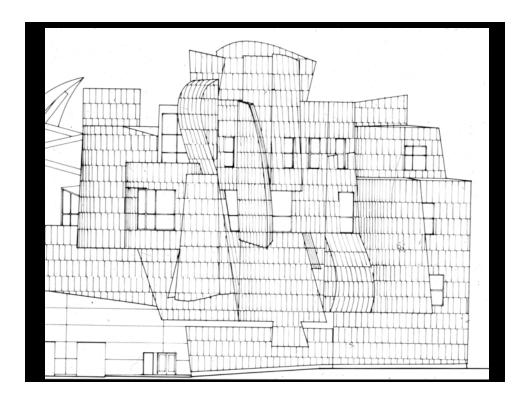


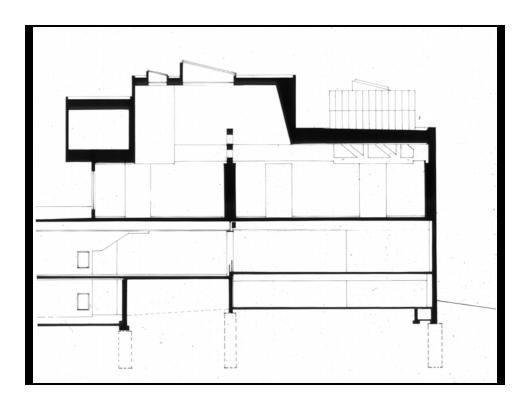












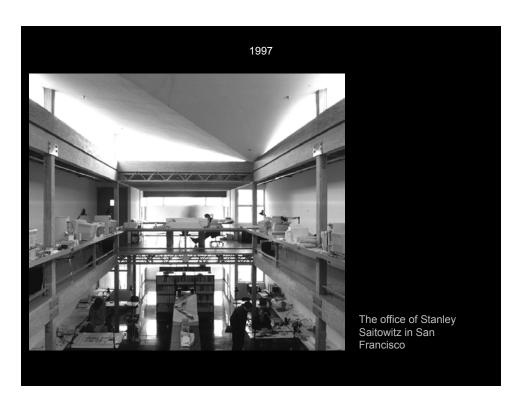


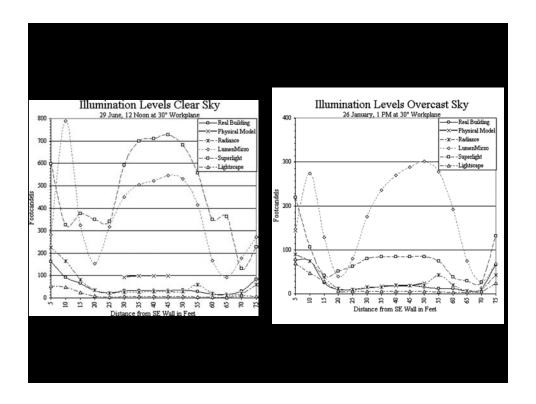


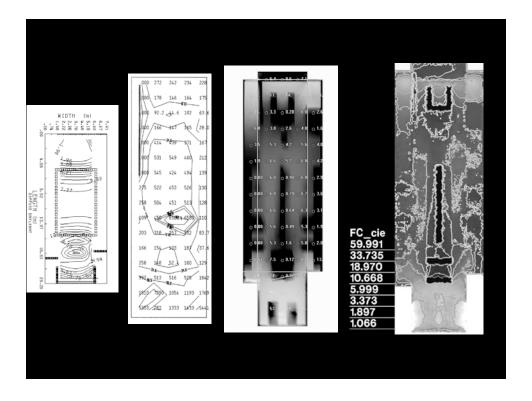


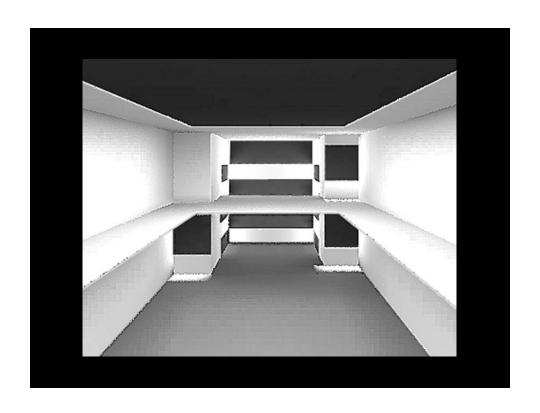


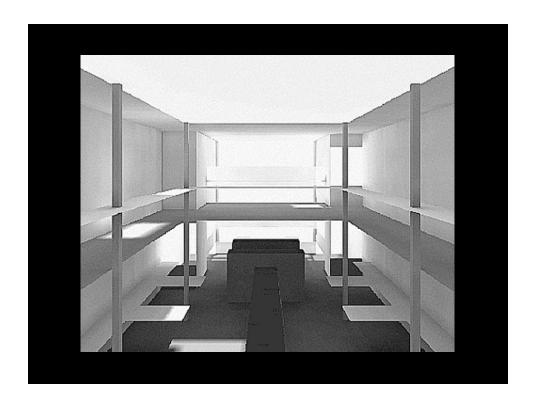








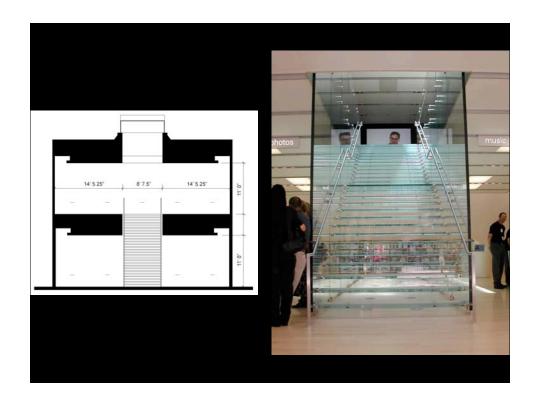


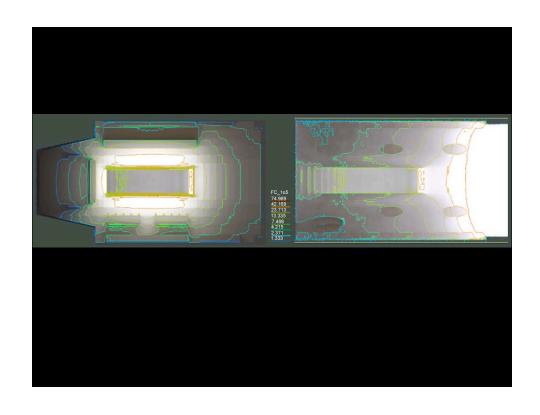


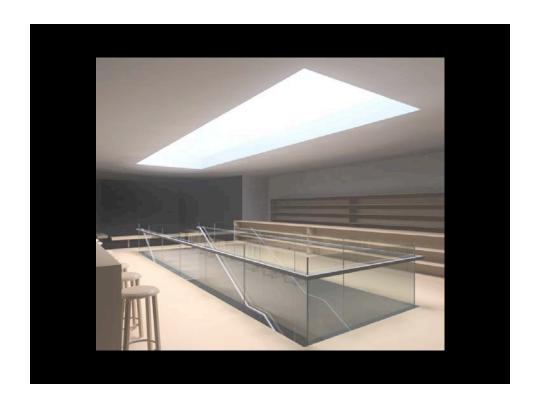






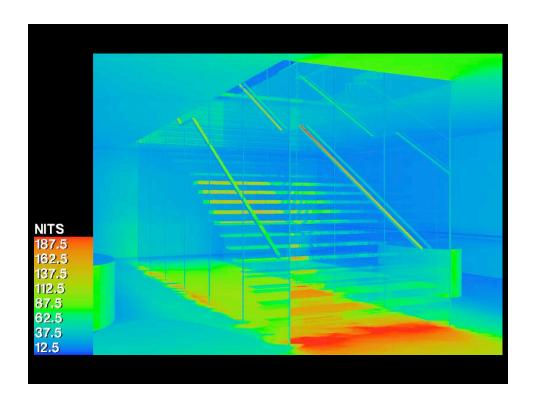




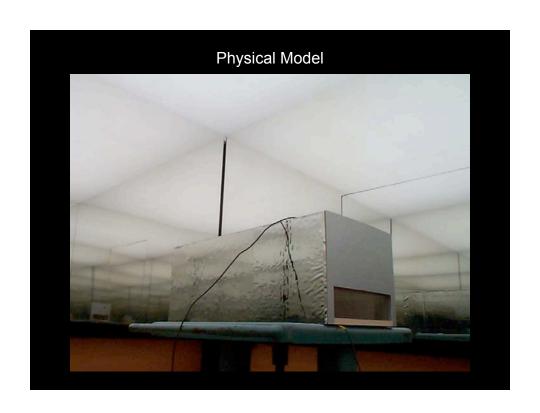




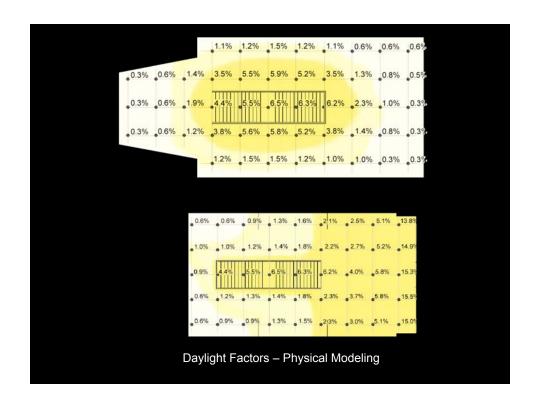


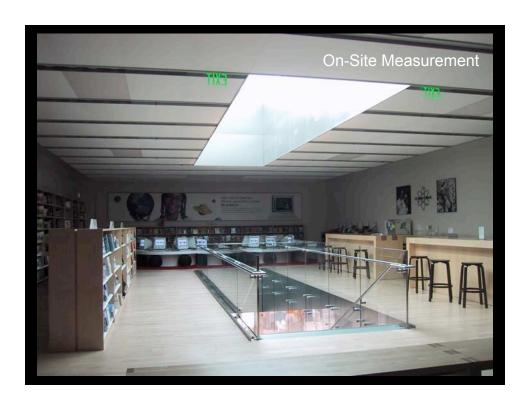


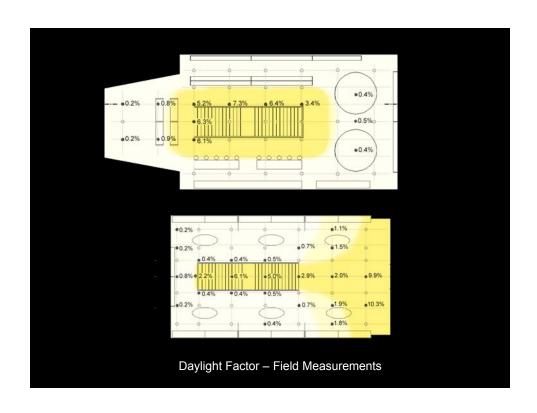


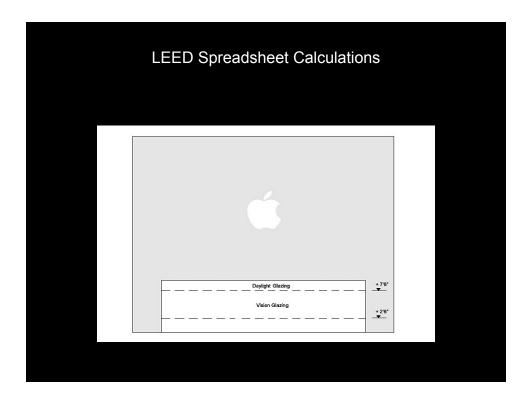












Floor Area ft ² Glazing Area ft ² Window Type T (vis) DF each DF total 2465.9 178 Side-lighting: vision glazing 0.79 1.2% 4.6% 66 Side-lighting: daylight glazing 0.79 0.4% 227 Top-lighting: stair 0.26 3.0%	Area ft² Window Type T (vis) DF each DF total 2465.9 178 Side-lighting: vision glazing 0.79 1.2% 4.6% 66 Side-lighting: daylight glazing 0.79 0.4% Top-lighting: stair 0.26 3.0%							
Area ft² Window Type T (vis) DF each DF total 2465.9 178 Side-lighting: vision glazing 0.79 1.2% 4.6% 66 Side-lighting: daylight glazing 0.79 0.4% 227 Top-lighting: stair 0.26 3.0%	Area ft² Window Type T (vis) DF each DF total 2465.9 178 Side-lighting: vision glazing 0.79 1.2% 4.6% 66 Side-lighting: daylight glazing 0.79 0.4% Top-lighting: stair 0.26 3.0%							
vision glazing 0.79 1.2% 4.6% Side-lighting: daylight glazing 0.79 0.4% Top-lighting: stair 0.26 3.0%	vision glazing 0.79 1.2% 4.6% Side-lighting: daylight glazing 0.79 0.4% Top-lighting: stair 0.26 3.0%	Area	Grazing	Window Type	T (vis)	DF each	DF total	
daylight glazing 0.79 0.4% Top-lighting: 0.26 3.0%	daylight glazing 0.73 0.4% Top-lighting: 0.26 3.0%	2465.9	178		0.79	1.2%	4.6%	
stair 5.20 5.0%	stair 0.20 3.6%		66	Side-lighting: daylight glazing	0.79	0.4%		
I Hoor Galculation	- Incor-Galediation		227	Top-lighting: stair	0.26	3.0%		
					шоп	I		

Floor Area ft²	Glazing Areaft²	Window Type	T (vis)	DF each	DF total
2530.6	227	Top-lighting: Skylight (horizontal plane)	0.31	3.5%	3.5%
		2 nd Floor Cald	culation		

Hopkinson's Daylight Factor Rules of Thumb Side-lighting: Net glazing area Floor area DF min 0.1 * % DF avg = Vertical monitors: Net glazing area 0.2 * % Floor area Sloping shed + north lighting: DF avg Net glazing area 0.33 * % Floor area DF avg 0.5 * Net glazing area Horizontal glazing: Floor area

LEED [™] Daylight Factor Calculator

Window Type	DF=	Geometry Factor	*	Window Area Floor Area		<u>s)</u> T(mi	*	Height Factor
Side-lighting (Vision Glazing): @ 2.5' to 7.5' height	DF =	0.1	*	Window Area Floor Area	*	n) T(vi s) 0.4	*	0.8
Side-lighting (Vision Glazing): @ 7.5' and above	DF =	0.1	*	Window Area Floor Area	*	<u>T(vi</u> <u>s)</u> 0.7	*	1.4
Top-lighting (Vertical Monitor):	DF =	0.2	*	Window Area Floor Area	*	<u>T(vi</u> <u>s)</u> 0.4	*	1.0
Top-lighting (Sloped Monitor):	DF =	0.33	*	Window Area Floor Area	*	<u>T(vi</u> <u>s)</u> 0.4	*	1.0
Top-lighting (Horizontal Skylight):	DF =	0.5	*	Window Area Floor Area	*	<u>T(vi</u> <u>s)</u> 0.4	*	1.0

