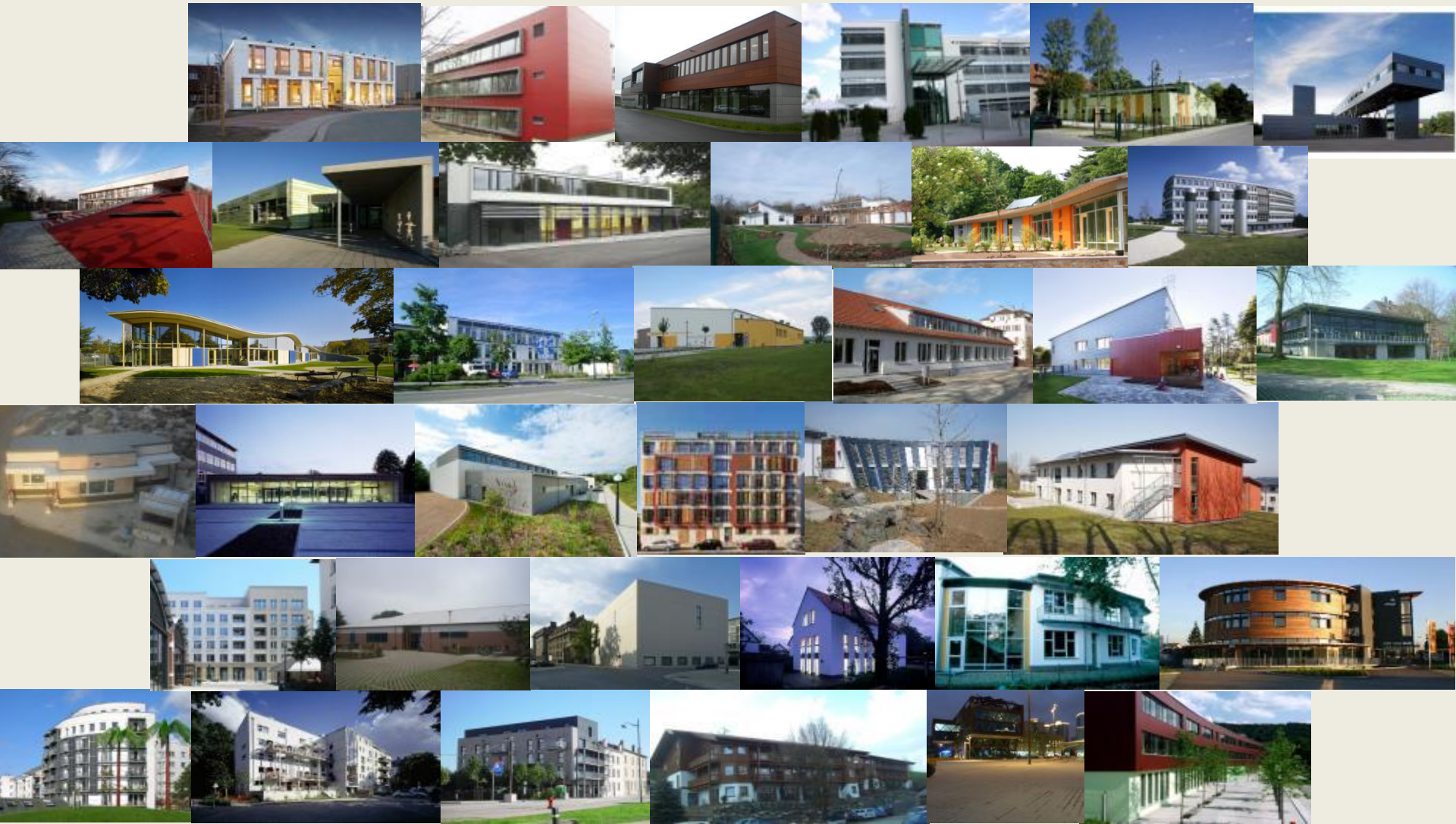


Commercial Passivhaus for the North American Market

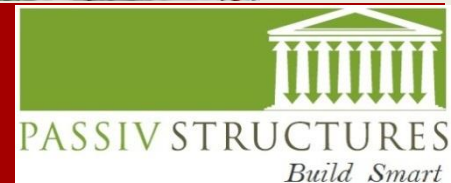
Presented by Adam J. Cohen



Passive House Northwest

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Passive House Beyond Single Family



Commercial Passivhaus it just makes Cents!



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Assumed Building Cost			
Conventional Building Cost		Passivhaus Building Cost	
Total projected bldg cost	\$ 800,000.00	Total projected bldg cost	\$ 880,000.00
		300,000.00	
Ultra Low Energy Building		One time additional cost for Passivhaus	
		80,000.00	
Projected Annual Energy Cost			
Conventional building Energy Cost		Passivhaus building Energy Cost	
Projected Energy cost per sq ft	\$ 1.85	Projected Energy cost per sq ft	\$ 0.46
Projected Annual cost for energy in 2011	\$ 18,500	Projected Annual energy cost in 2011	\$ 4,625
		Annual SAVINGS**	
		39,200.00	
		39,984.00	
		40,783.68	
		41,599.35	
		42,431.34	
		energy from 1990 -	
		2015 Energy Savings with Passivhaus	
		\$ 15,018.75	
Projected Annual cost for energy in 2035	\$ 29,756.09	Projected Annual cost for energy in 2035	\$ 7,439.02
		2035 Energy Savings with Passivhaus	
		\$ 22,317.07	
		63,050.74	
Projected Greenhouse Gas Reduction			
Conventional Building		Passivhaus Building	
Lbs per Year	114,336	Lbs per Year	32,167
		Annual Lbs per Year REDUCTION	
		82,168	
		884,720	
Economics			
\$12,363.00 / \$80,000.00	Rate of return on investment in first year	17.3%	13.1%
Total monetary savings over 25 years with energy increase equal to 2%	\$	444,420.41	1,255,587.75
Annual additional principal and interest cost if Passivhaus is financed @ 6.5% w/ 25 year amortization loan	\$	6,185.29	7.65 Years
First Year Savings after Passivhaus financing	\$	7,689.71	24,307.46
Total monetary savings over 25 years after PH costs are financed and with energy increase equal to 2%	\$	289,788.07	39,200.00
		Total monetary savings over 25 years after PH costs are financed and with energy increase equal to 2%	
		\$ 647,901.30	

Hillel Montessori School
30,000 sqft Medical office



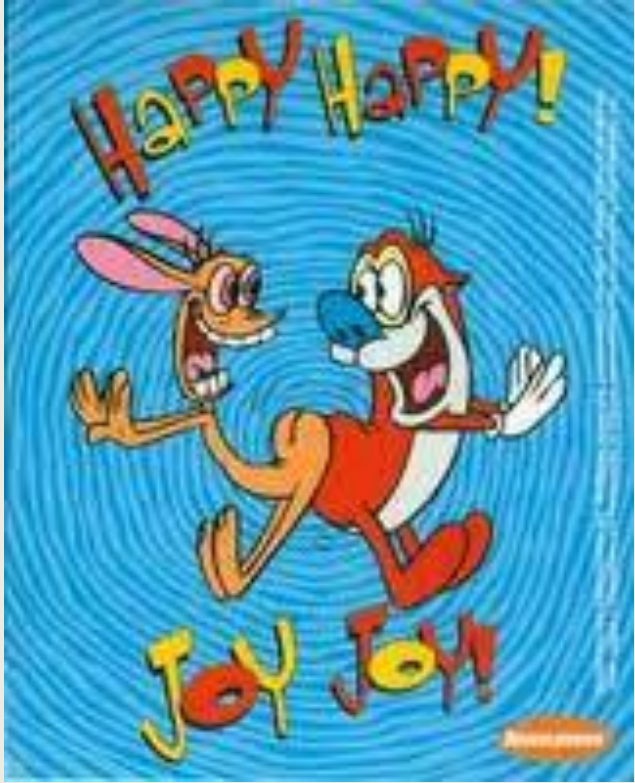
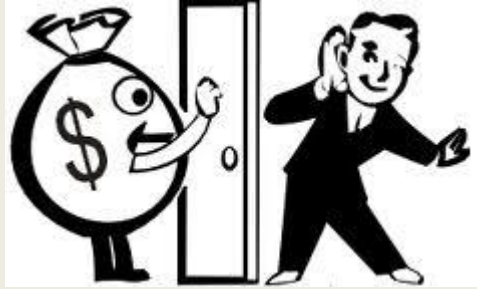
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Commercial Passivhaus **Ready**, Steady, GO!

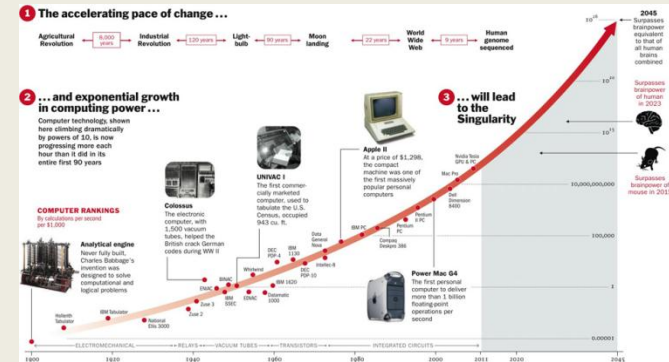
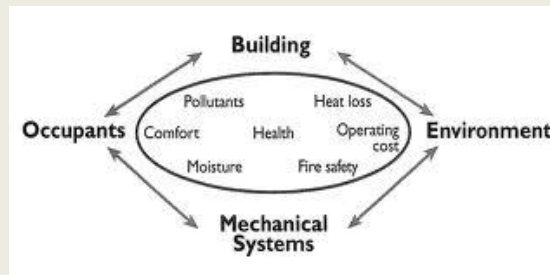
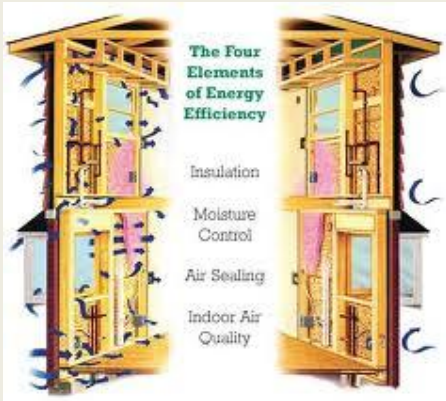


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Commercial Passivhaus Ready, Steady, GO!

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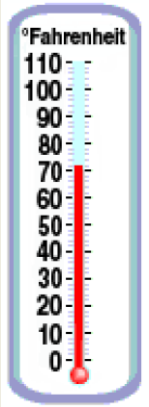
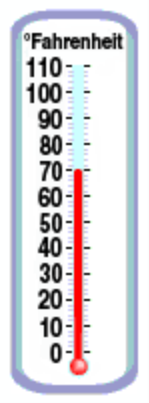
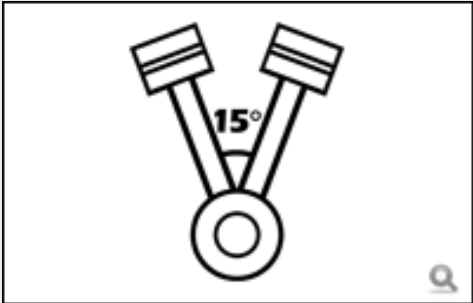
Commercial Passivhaus Ready, **Steady**, GO!



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Commercial Passivhaus Imperatives



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Commercial Passivhaus Imperatives



Non calor sed
umor est qui nobis
incommodat.

CAUTION
Be Smart.
Be Safe.



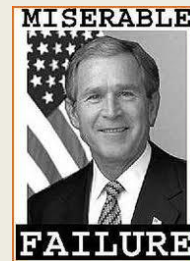
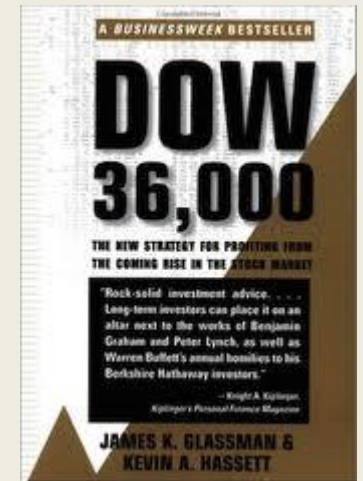
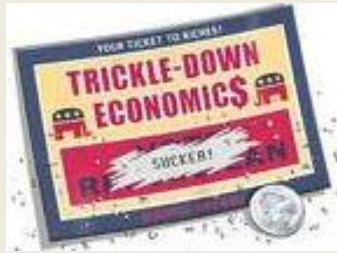
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(540) 774.4800**



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