## NORTH EAST CLUSTER vs. SOUTH-WEST CLUSTER

Table 1: Simulation model input data.

SIM model input.	Unit	N	E,	/ SW	
GEOMETRY resume					
Heated surface	m	88.6		102.33	
Conditioned volume	m	193		350	
Exposed wall surface	m²	98.7 33		139. 29	
Roof area	m	77		91.22	
Windows area	m	19.54		26.47	
	South	0		11.54	
	North	8.00		0	
	East	11.54		0	
	West	0		8.00	
Glass ratio	%	20		20.8	
Thermal zone settings					
Occupancy	W/n	<b>1</b> 2	1,5		Climate data: New Haven
Lighting	W/n	W/m <sup>2</sup>		95	Lat: 41.31° N
Tec. equipment	W/n	W/m <sup>2</sup>		,8	Lng: 72.9°S
Operation time	h/d/v	h/d/w		16/7/ 52	
Heating and cooling set point temperature	°C		19-26		
Air changes per hour	m³/hı	$m^2$ 1		,2	

Table 2: SIM model adjustments. Variables assumed during the simulations.

		unit	value
Timber framed walls	U-value	W/m <sup>2</sup> K	2.20
Concrete Slab (Floor)	U-Value	W/m <sup>2</sup> K W/m <sup>2</sup> K	0.88
Ethyl vinyl Acetate			
coated on tin sheets		W/m <sup>2</sup> K ach	7.1
with Air-gap (Roof)	U-value	VV/III IX doi!	7.1
Windows (single glazed		W/m <sup>2</sup> K	5.1
Timber frame)	U-value		
Air tightness		ach	2
Thermal bridges	Thermal		0.03
bridges			

## SOUTH-WEST CLUSTER Table 1: Simulation model input data.

Table 2: SIM model adjustments. Variables assumed during the simulations.

















