	1R1C	3R1C	5R1C	
Internal temperature	T_{in}	T_{in}	θ_{in}	
External Temperature	T_e	T_e	θ_e	
			θ_{sup}	Mechanical ventilation supply temperature
			θ_s	Surface temperature
			θ_s	Temperature of thermal mass
Resistance of thermal envelope	R_{env}	R_{env}		
Equivalent resistance due to ventilation		R_{vent}	H_{ve}	Transmission coefficient due to ventilation and infiltration
Equivalent resistance due to infiltration		R_{inf}		
			$H_{tr,is}$	Coupling conductance [W/k] between the air node and the surface node
			$H_{tr,w}$	Transmission coefficients of glazed elements and doors.
			$H_{tr,op}$	Transmission coefficients of opaque elements
			$H_{tr,em}$	Combined transmission of $H_{tr,w}$ and $H_{tr,op}$
Capacitance of the room due to thermal mass	C_m	C_m	C_m	[J/K]
Heating or cooling supplied to the room (controlled using setpoints)		Q_{Heat}	$\Phi_{HC,nd}$	Energy input from Heating and Cooling
Solar heat flux		Q_{sol}	Φ_{sol}	$Q_{sol}/3600$ [W]
Anthropogenic heat flux (internal gains)		Q_{Int}	Φ_{Int}	$Q_{int}/3600$ [W]
			Φ_{ia}	internal gains absorbed by air (equal to 0.5 Φ_{Int}) [W]
			Φ_m	Portion of internal and solar gains absorbed by thermal mass of the envelope
			Φ_{st}	Portion of internal and solar gains absorbed by interior thermal mass

Prefix
MULTI_RES
SINGLE_RES
HOTEL
OFFICE
RETAIL
FOODSTORE
RESTAURANT
INDUSTRIAL
SCHOOL
HOSPITAL
GYM

Suffix	Type	Construction Date
1	construction	1920
2	construction	1920-1970
3	construction	1970-1980
4	construction	1980-2005
5	construction	2005-2020
6	construction	2020-2030
7	Renovation	1920
8	Renovation	1920-1970
9	Renovation	1970-1980
10	Renovation	1980-2005
11	Renovation	2005-2020
12	Renovation	2020-2030