Issue: The difference between the Stebbs and Building Archetype setups is unclear. Their input parameters are mixed and hard to separate.

Categories	Input parameters	Range	Related to other models
Geometry	stebbs_Height	>0	Not related
	FootprintArea	>0	
	WallExternalArea	>0	
	RatioInternalVolume	0-1	
	WWR	0-1	
Building material	WallThickness (the same as roof)	>0	Equivalent single-layer properties – can be derived from EHC setup (5 layers) WallEffectiveConductivity = kkAnohm (building) WallDensity* WallCp = cpAnohm (building)
	WallEffectiveConductivity	>0	
	WallDensity	>0	
	WallCp	>0	
	Wallx1	0-1	
	WallExternalEmissivity	>0	
	WallInternalEmissivity	>0	
	WallTransmissivity	0-1	
	WallAbsorbtivity	0-1	
	WallReflectivity	0-1	
	Similar setup for windows, floors, internal mass, and ground floor		Not related
	WallextThickness (similar to roof)	>0	Same (repeated) input for Dyohm, - uses first layer of EHC wall
	WallexteEffectiveConductivity	>0	
	WallextDensity	>0	
	WallextCp	>0	
Occupancy	Occupants	>0	Not related
	MetabolicRate	≥0	
	LatentSensibleRatio	≥0	
	ApplianceRating	≥0	
	TotalNumberofAppliances	≥0	
	ApplianceUsageFactor	≥0	
HVAC	HeatingSetpointTemperature	10-30?	Not related
	CoolingSetpointTemperature	10-30?	
	MaxHeatingPower (in building-archetype)	≥0	
	MaxCoolingPower (stebbs)	≥0	
	HeatingSystemEfficiency	0-1	
	CoolingSystemCOP	≥0	
	VentilationRate	≥0	
Others	BuildingCount	>0	Not related
	IndoorAirDensity	>0	
	IndoorAirCp	>0	
	WallBuildingViewFactor (also for Roof)	≥0	Maybe link to Spartacus/BEERS?
	WallGroundViewFactor	≥0	
	WallSkyViewFactor	≥0	
Domestic hot water	MaximumHotWaterHeatingPower	>0	Not related
	WaterTankWaterVolume	>0	
	WaterTankTemperature	>0	
	WaterTankWallThickness	>0	
	HotWaterHeatingSetpointTemperature	>0	
	HotWaterTankWallEmissivity	0-1	
	DomesticHotWaterTemperatureInUseInBuilding	>0	
	DHWVesselWallThickness	>0	
	DHWWaterVolume	>0	

	DHWSurfaceArea	>0	
	DHWVesselEmissivity	0-1	
	HotWaterFlowRate	≥0	
	DHWDrainFlowRate	≥0	
	DHWSpecificHeatCapacity	>0	
	HotWaterTankSpecificHeatCapacity	>0	
	DHWVesselSpecificHeatCapacity	>0	
	DHWDensity	>0	
	HotWaterTankWallDensity	>0	
	DHWVesselDensity	>0	
	HotWaterTankBuildingWallViewFactor	0-1	
	HotWaterTankInternalMassViewFactor	0-1	
	HotWaterTankWallConductivity	>0	
	DHWVesselWallConductivity	>0	
	DHWVesselWallEmissivity	>0	
	HotWaterHeatingEfficiency	0-1	
	MinimumVolumeOfDHWinUse	≥0	
Initialised coefficient/ temperature	WallExternalConvectionCoefficient	>0 , CIBSE GUIDE A Table 3.47	Not related
	WallInternalConvectionCoefficient	>0	
	RoofExternalConvectionCoefficient	>0	
	RoofInternalConvectionCoefficient	>0	
	WindowExternalConvectionCoefficient	>0	
	WindowInternalConvectionCoefficient	>0	
	FloorInternalConvectionCoefficient	>0	
	InternalMassConvectionCoefficient	>0	
	IndoorAirStartTemperature		
	IndoorMassStartTemperature		
	WallIndoorSurfaceTemperature		
	WallOutdoorSurfaceTemperature		
	RoofIndoorSurfaceTemperature		
	RoofOutdoorSurfaceTemperature		
	WindowIndoorSurfaceTemperature		
	WindowOutdoorSurfaceTemperature		
	GroundFloorIndoorSurfaceTemperature		
	GroundFloorOutdoorSurfaceTemperature		
	InternalWallWaterTankTemperature		
	ExternalWallWaterTankTemperature		
	InternalWallDHWVesselTemperature		
	ExternalWallDHWVesselTemperature		
	WaterTankTemperature		

Storage model	Number of building materual layer	Building surfaces	Output
OHM	/	/	ΔQ_S
DyOHM	1 (outer layer)	Conbined wall and roof	ΔQ_S
EHC	5	Separated wall and roof	ΔQ_S and T_{surf}
STEBBS	1 (homogenous layer) and 1 (outer layer)	Separated wall and roof	ΔQ_S and T_{surf}