`WHAT IS CLAIMED IS:

1. A variable air volume terminal device with multiple heating coils to enhance temperature control for a plurality of rooms in a building, the variable air volume terminal device comprising:

(a) a hybrid variable air volume box having an inlet with an air velocity flow sensor and an optional or floating damper that does not control temperature;

(b) a plurality of outlets coupled to the hybrid variable air volume box, each outlet of the plurality of outlets having a heating coil operably connected thereto and each outlet configured to connect to a duct to provide conditioned air to a plurality of rooms wherein each of the heating coils are disposed in the hybrid variable volume air box; ~~-~~and

(c) a sub plenum disposed in the hybrid variable air volume ~~air~~ box between the plurality of outlets and a terminal wall of the hybrid variable air volume box.

2. The variable air volume terminal device of claim 1 ~~further comprising a~~ wherein the optional or floating damper that does not control temperature is the floating damper disposed in the hybrid variable air volume ~~air~~ box between the inlet and the plurality of outlets and further comprising ~~an~~ at least one automated space control damper disposed outside the hybrid variable air volume ~~air~~ box connected by a single duct to one of the plurality of outlets having a heating coil in the hybrid variable air volume box~~in at least one area outlet for controlling temperature~~.

3. The variable air volume terminal device of claim 1 wherein the heating coils are hot water heating coils or electric heating coils.

4. The variable air volume terminal device of claim 1 wherein the heating coils are electric heating coils disposed inside of the hybrid variable air volume box.

~~5. A variable air volume terminal device with multiple heating coils to provide separate temperature control over a plurality of rooms in a building comprising:~~

~~(a) a hybrid variable box having an inlet;~~

~~(b) a plurality of outlets coupled to the hybrid variable air volume box, each of the plurality of outlets having a separate independently controlled heating coil operably connected thereto and with each outlet configured to connect to a duct to provide conditioned air to a plurality of outlets; and~~

~~(c) a plug in heat cartridge disposed outside the hybrid variable air volume box to plug in at least one of the plurality of outlets coupled to the hybrid variable air volume box.~~

5~~6~~. The variable air volume terminal device of claim 1 further comprising a plurality of automated space control dampers.

6~~7~~. The variable air volume terminal device of claim 1~~6~~ wherein the plurality of automated space control dampers are connected to the hybrid variable air volume box by a single duct.

7~~8~~. The variable air volume terminal device of claim 6~~7~~ further comprising a plurality of thermostats to individually control the plurality of automated space control dampers.

89. The variable air volume terminal device of claim 78 further comprising a wired or wireless connection between the plurality of thermostats and the plurality of automated space control dampers.

910. The variable air volume terminal device of claim 56 further comprising a plug in heat cartridge for at least one of the plurality of automated space control dampers.

101. The variable air volume terminal device of claim 910 wherein the plug in heat cartridge is powered by a lighting circuit.

112. The variable air volume terminal device of claim 1 wherein said plurality of outlets from the hybrid variable air volume box is from between two to seven outlets.

123. The variable air volume terminal device of claim 112 wherein said heating coils are operatively connected to one less outlet than the two to seven outlets.

134. The variable air volume terminal device of claim 12 wherein the sub plenum occupies a space of about 10 percent to 20 percent of the interior space ~~is disposed between the plurality of outlets and a terminal wall~~ of the hybrid variable air volume box.

145. The variable air volume terminal device of claim 134 further comprising a static pressure sensor.

156. The variable air volume terminal device of claim 12 further comprising an air measurement device disposed between the air inlet and the floating damper.

167. A method of providing a variable air volume system to provide an air temperature control for each air-conditioned zone in a plurality of air-conditioned zones comprising:

(a) utilizing a multiple outlet duct variable air volume box having at least one heater associated with at least one outlet duct of the multiple outlet duct variable air volume box;

(b) having the duct with the at least one heater supply conditioned air to a plurality of separate air-conditioned zones;

(c) attaching a plurality of automated space control dampers having an electrically controlled orifice for admitting conditioned air into each of the plurality of separate air-conditioned zones; and

(d) providing one of a virtual or an actual thermostat to each zone of said plurality of separate air-conditioned zones to open or close at least one electrically controlled orifice for admitting conditioned air into a specific zone.

178. The method of claim 167 further comprising having at least one automated space control damper with a plug in heat cartridge ~~heater associated for at least one drop down control damper~~ disposed in at least one of the plurality of separate air-conditioned zones.

189. The method of claim 167 further comprising controlling by way of a computer the at least one heater associated with the at least one of the outlet ducts of the

multiple outlet duct variable air volume box or the plurality of automated space control dampers having an electrically controlled orifice.

1920. The method of claim 189 further comprising providing data on the occupant load with a sensor.

2021. The method of claim 1920 further comprising providing a database to operate the multiple outlet duct variable air volume box based on occupant load data.

212. The method of claim 2019 further comprising providing remote instructions to the computer by a smart device to send a signal to operate the at least one heater associated with at least one of the ducts of the multiple outlet duct variable air volume box.

223. The method of claim 212 wherein the signal is connected to an internet of things.

234. The method of claim 223 wherein the signal is sent by a building manager or a tenant.

245. The method of claim 167 further comprising providing an intelligent controlled cool down and warm up based on past zone occupancy~~comprising calculating an optimum temperature zone by averaging a number of temperature inputs from a number of users of the zone~~.

256. A hybrid VAV box comprising:

(a) a housing having at least one air inlet and at least two air outlets;

(b) an optional or a floating flow control damper that does not control temperature connected to the air inlet wherein the optional or floating flow control damper is disposed inside of the hybrid variable air volume box; and

(c) at least one heating coil connected to each one of the at least two air outlets wherein the at least one heating coil is disposed inside of the hybrid variable air volume box or an outlet of the hybrid variable air volume box.

267. The hybrid VAV box of claim 256 further comprising an air flow sensor.

278. The hybrid VAV box of claim 256 further comprising a controller to control the at least one heating coil.

289. The hybrid VAV box of claim 278 wherein said controller is connected to a computer with a database.

2930. The hybrid VAV box of claim 256 wherein the at least two outlets are three to six outlets and at least one outlet does not have a heating coil.

301. The hybrid VAV box of claim 256 further comprising a sub plenum disposed between the at least two air outlets and a terminal wall of the VAV box and occupying a space of 10 percent to 20 percent of interior space of the hybrid VAV box.

312. A heating and air conditioning balancing apparatus comprising:

(a) a hybrid variable air volume box having an inlet and a plurality of outlets with at least one heater coil in at least one of the plurality of outlets;

(b) a plurality of automated space control dampers disposed in ~~a location remote from the variable air volume box~~ a zone or area served by one of the plurality of automated space control dampers;

(c) a common supply duct connecting the at least one heater coil in one of the plurality of outlets to each one of said plurality of automated space control dampers;

(d) at least one of an air flow and/or a temperature sensor associated with the~~a~~ zone or area served by each automated space control damper of said plurality of automated space control dampers; and

(e) a controller to selectively open and close each of said plurality of automated space control dampers and record at least one of air flow and/or temperature in the zone or area served by each automated space control damper.

323. The heating and air conditioning balancing apparatus of claim 312 further comprising a computer database to operate the heating and air conditioning balancing apparatus.

334. ~~The~~ heating and air conditioning balancing apparatus of claim 323 further comprising a thermostat in each area or zone served by each automated space control damper to operate the controller.

345. The heating and air conditioning balancing apparatus of claim 323 further comprising a timer to time and record the last balancing of the plurality of automated space control dampers.

356. The heating and air conditioning balancing apparatus of claim 312 further comprising a program to periodically rebalance the plurality of automated space control dampers.

367. The heating and air conditioning balancing apparatus of claim 312 further comprising a self-diagnosing and reporting system on the mechanical condition of the components in the hybrid VAV variable air volume box and each component in the plurality of automated space control dampers.

378. The heating and air conditioning balancing apparatus of claim 367 further comprising an occupancy sensor so as not periodically rebalance during occupancy.

389. The heating and air conditioning balancing apparatus of claim 312 wherein the air conditioning and balancing apparatus has a wired or wireless communication link.

3940. The heating and air conditioning balancing apparatus of claim 312 wherein at least one of the plurality of automated space control dampers includes a supplemental heater.

40. A variable air volume terminal device with multiple heating coils to provide separate temperature control over a plurality of rooms in a building comprising:

(a) a hybrid variable air volume box having an inlet and an optional or free floating damper that does not control temperature;

(b) a plurality of outlets coupled to the hybrid variable air volume box, each of the plurality of outlets having a separate independently controlled heating coil operably connected thereto and with each outlet configured to connect to a duct to provide conditioned air to a plurality of automated space control dampers disposed in a location away from the plurality of outlets in the hybrid variable air volume box; and

(c) a plug in heat cartridge disposed outside the hybrid variable air volume box to plug in at least one of the plurality of automated space control dampers coupled to the hybrid variable air volume box.

41. The variable air volume device of claim 40 further comprising a computer link to a controller to allow an occupant of each room of the plurality of rooms to control temperature of that room.

42. The variable air volume device of claim 40 wherein the computer link to the controller implements commands from a database based either on sensed use and/or a history of past usage to save energy.

43. The variable air volume device of claim 40 wherein the controller provides for a programmed or recalibration of the plurality of rooms.