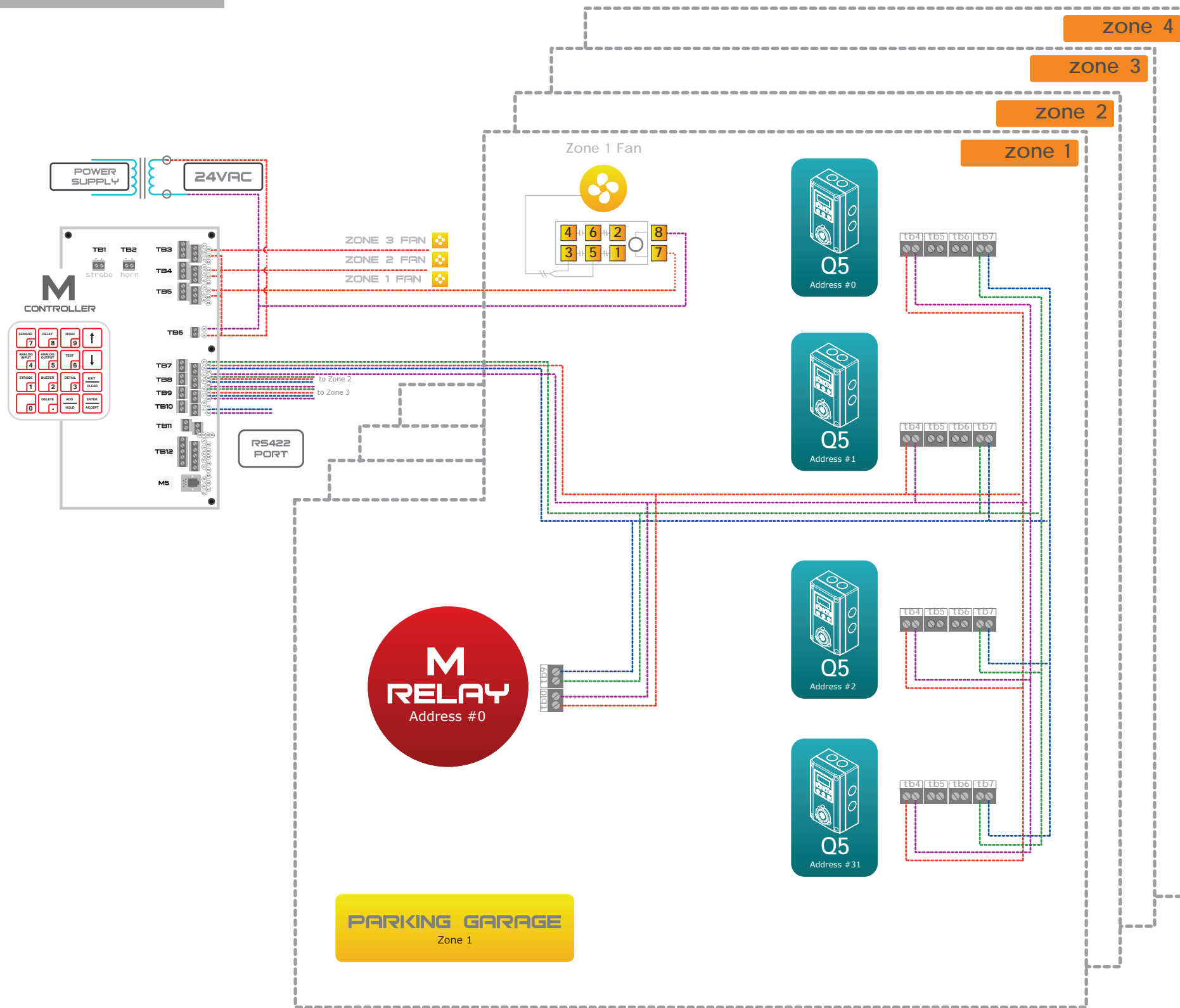




NETWORK DIAGRAMS

# Parking Garage 1



## Typical Control Strategies:

1. Q5 gas transmitters provide local gas concentrations to M-Controller through RS-485 port
2. Q5 are addressable via RS-485
3. Areas or floors can be zoned into one or more groups of sensors to control local fans.
4. Zones can be determined at M-Controller for fan control. M-Controller is able to connect to max. 32 Q5s. They can be connected via one to four RS-485 port.
5. Typical Settings:  
 CO low alarm: 25ppm / 20ppm  
 CO high alarm: 100ppm / 80ppm  
 NO2 low alarm: 1.0ppm / 0.8ppm  
 NO2 high alarm: 3.0ppm / 2.0ppm  
 CO2 low alarm: 1200ppm / 1000ppm  
 CO2 high alarm: 2500ppm / 2200ppm

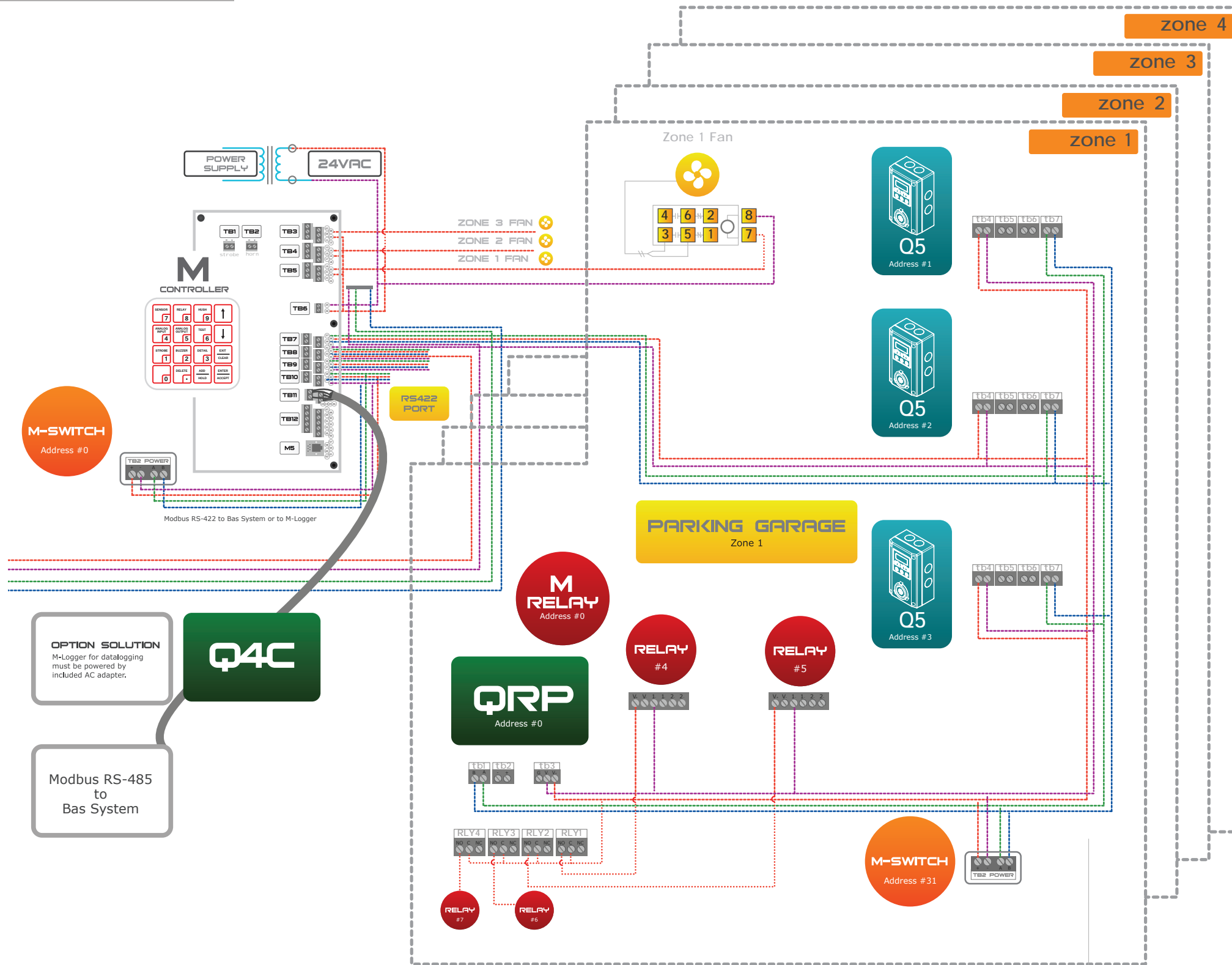
## RS-485 Wiring Trunk Topology

The best topology is a single trunk that in-outs on the terminal blocks of each device it connects.

Avoid Star configurations.  
 Avoid Tees and Stub.

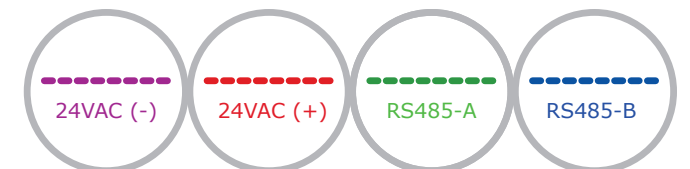


# Parking Garage 2

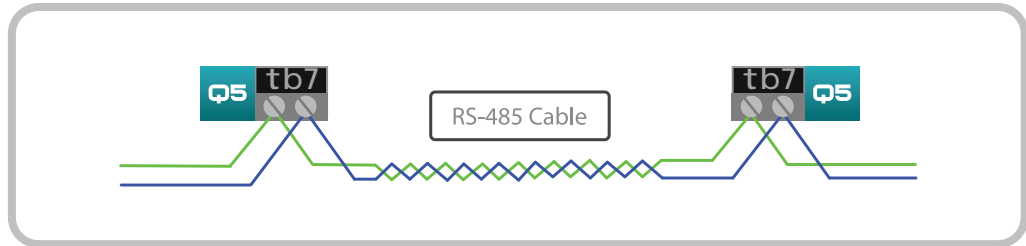
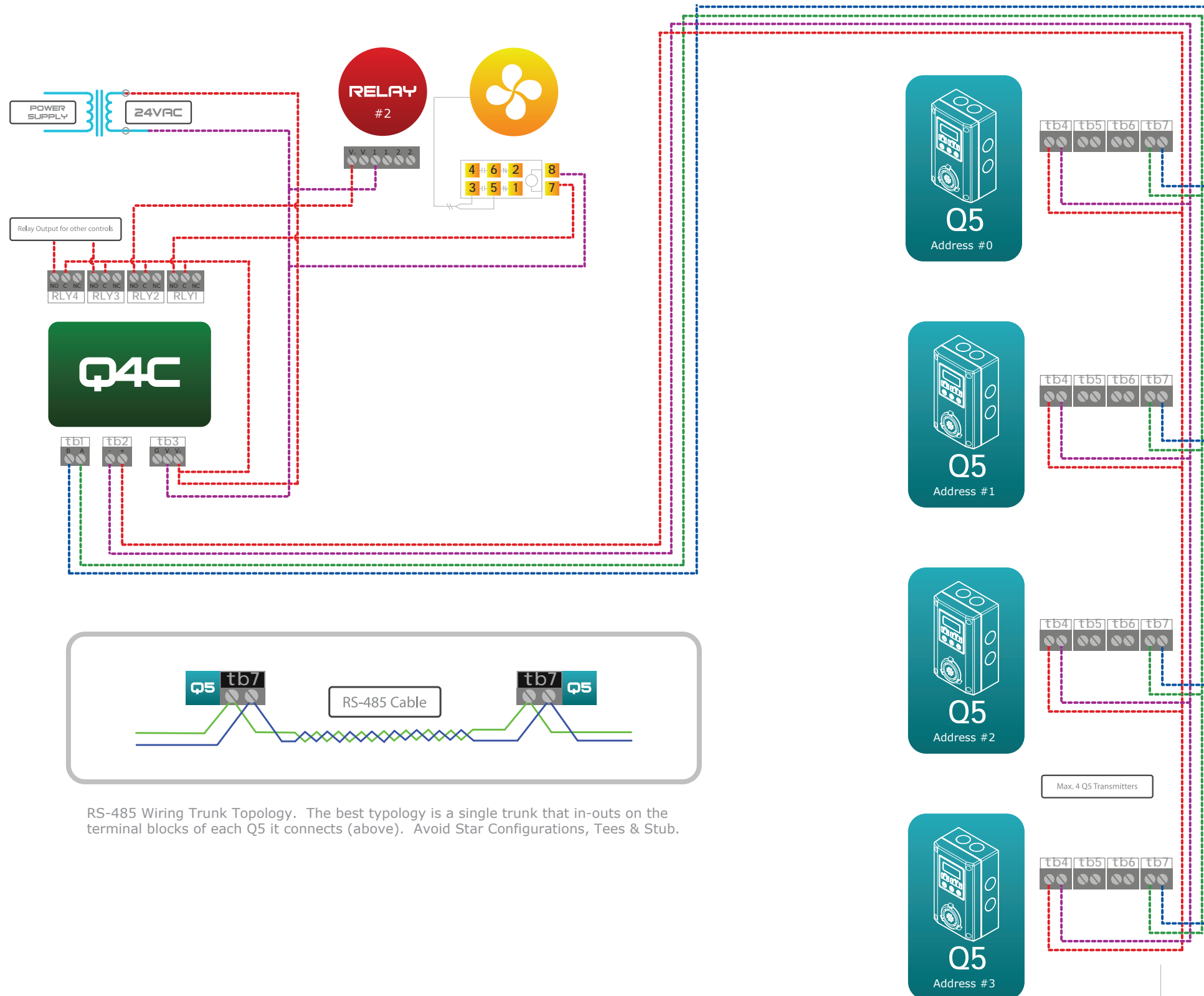


## Typical Control Strategies:

1. Q5 gas transmitters provide local gas concentrations to M-Controller through RS-485 port
2. Q5 are addressable via RS-485
3. Areas or floors can be zoned into one or more groups of sensors to control local fans.
4. Zones can be determined at M-Controller for fan control. M-Controller is able to connect to max. 32 Q5s. They can be connected via one to four RS-485 port.
5. Typical Settings:  
 CO low alarm: 25ppm / 20ppm  
 CO high alarm: 100ppm / 80ppm  
 NO2 low alarm: 1.0ppm / 0.8ppm  
 NO2 high alarm: 3.0ppm / 2.0ppm  
 CO2 low alarm: 1200ppm / 1000ppm  
 CO2 high alarm: 2500ppm / 2200ppm



# Parking Garage 3



RS-485 Wiring Trunk Topology. The best typology is a single trunk that in-outs on the terminal blocks of each Q5 it connects (above). Avoid Star Configurations, Tees & Stub.



## Typical Control Strategies:

1. Q5 gas transmitters provide local gas concentrations to Q4-Controller through RS-485 port
2. Q5 are addressable via RS-485
3. Q4-Controller is able to connect to max. 4 Q5s. They can be connected via RS-485 port.
4. Typical Settings:  
 CO low alarm: 25ppm / 20ppm  
 CO high alarm: 100ppm / 80ppm  
 NO2 low alarm: 1.0ppm / 0.8ppm  
 NO2 high alarm: 3.0ppm / 2.0ppm  
 CO2 low alarm: 1200ppm / 1000ppm  
 CO2 high alarm: 2500ppm / 2200ppm

