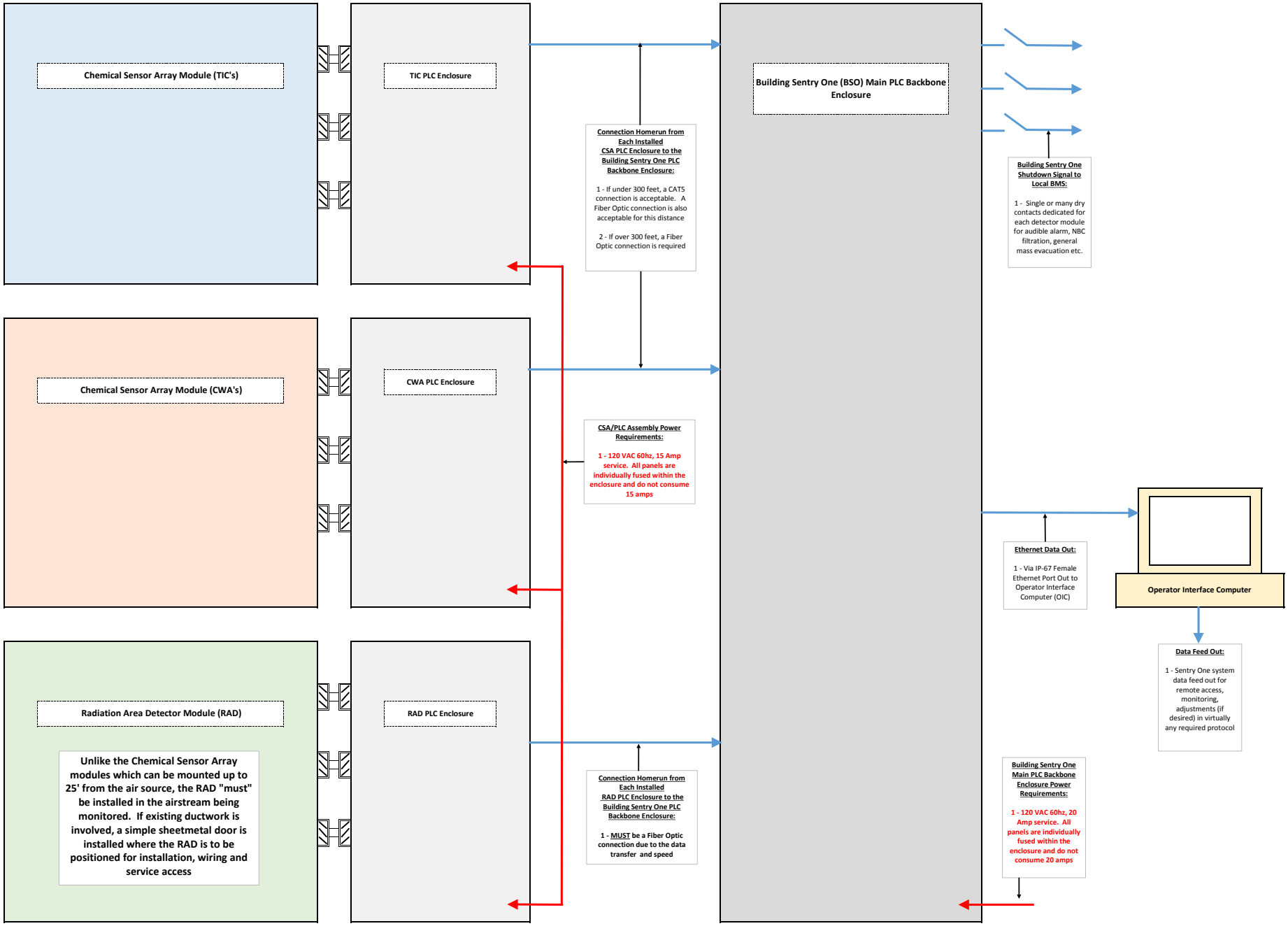
**********NOT TO SCALE**********


Chemical Sensor Array Module (TIC's)
TIC PLC Enclosure
Chemical Sensor Array Module (CWA's)
CWA PLC Enclosure
Radiation Area Detector Module (RAD)
Unlike the Chemical Sensor Array modules which can be mounted up to 25' from the air source, the RAD "must" be installed in the airstream being monitored. If existing ductwork is involved, a simple sheetmetal door is installed where the RAD is to be positioned for installation, wiring and service access
RAD PLC Enclosure
Connection Homerun from Each Installed CSA PLC Enclosure to the Building Sentry One PLC Backbone Enclosure:
1 - If under 300 feet, a CAT5 connection is acceptable. A Fiber Optic connection is also acceptable for this distance
2 - If over 300 feet, a Fiber Optic connection is required
CSA/PLC Assembly Power Requirements:
1 - 120 VAC 60hz, 15 Amp service. All panels are individually fused within the enclosure and do not consume 15 amps
Connection Homerun from Each Installed RAD PLC Enclosure to the Building Sentry One PLC Backbone Enclosure:
1 - MUST be a Fiber Optic connection due to the data transfer and speed
Building Sentry One (BSO) Main PLC Backbone Enclosure
Building Sentry One Shutdown Signal to Local BMS:
1 - Single or many dry contacts dedicated for each detector module for audible alarm, NBC filtration, general mass evacuation etc.
Ethernet Data Out:
1 - Via IP-67 Female Ethernet Port Out to Operator Interface Computer (OIC)
Operator Interface Computer
Data Feed Out:
1 - Sentry One system data feed out for remote access, monitoring, adjustments (if desired) in virtually any required protocol
Building Sentry One Main PLC Backbone Enclosure Power Requirements:
1 - 120 VAC 60hz, 20 Amp service. All panels are individually fused within the enclosure and do not consume 20 amps