AES INSTALLATION REQUIREMENTS
All AES radio transmitters shall be installed and inspected according to NFPA 70, NFPA 72, WAC, manufacturer requirements and recommendation, and the City of Lynnwood guidelines below.

The system shall be installed, tested, and signals verified prior to requesting an inspection. To prevent a reinspection fee, please verify that the AES radio installation meets the requirements below and the FACP is capable of supervising the AES radio as noted prior to calling for an acceptance test.

☐ Install smoke detector above the AES radio if one is not already present.

☐ Verify that there is dedicated to the AES radio. Shared power to the FACP is acceptable.

☐ Verify that the A/C breaker to the AES circuit is correctly labeled and is provided with a lock-on device.

☐ Provide a secured transformer enclosure. Wires from the transformer to the AES shall be in conduit.

☐ All wiring (except A/C power) is required to be shielded with at least one end grounded.

☐ Coaxial cable outside the AES enclosure must be installed in conduit. RG-59 or RG-6 coaxial cable is not permitted.

☐ All bends in coaxial cable outside of the AES enclosure shall have at least a six inch (6”) radius.

☐ An AMSECO transformer (Part No. XF1640) is to be used as per manufacturer requirements.

☐ The AES radio shall be mounted near the FACP in a temperature controlled environment, unless an alternate mounting location is approved by the Fire Department. Alternate locations may require the AES radio to be located inside a lockable NEMA 4 enclosure with a smoke detector and thermostatically controlled heater.

☐ The FACP shall audibly and visibly supervise the AES radio at the FACP for antenna cut, low battery, loss of power and charger fail as a separate zone or address.

☐ AES reception shall have a minimum of two (2) “good” paths with a NetCon of 5 or less.

☐ All wiring less than seven feet (7’) above the finished floor shall be protected.

☐ Each zone or device from the FAC shall be transmitted to the approved Central Station.

☐ 60-hours of backup battery power is required (24-hours for UL-Certificated systems).

☐ Batteries in excess of 7.5 A/h are required to be housed in a separate battery cabinet.

☐ An inspection request is required within 24 hours of energizing the AES radio.

☐ A Routing Table showing NetCon, link layer and signal strength shall be provided to the Fire Inspector at the time of Final Inspection.