AES PERMIT PROCESS
All permit applications for the installation of a Wireless Mesh Network (AES) radio communicator shall contain the following:

☐ Complete Electrical Permit application.

☐ Manufacturer’s cut sheets of all proposed equipment to be installed (AES radio, IntelliTap, IntelliPro Fire, etc.).

☐ A Routing Table from a test radio at the site location prior to installation showing NetCon, link layer and signal strength. A minimum of two (2) “good” paths with a NetCon of 5 or less is required.

☐ Three (3) copies of a floor plan, no smaller than 11 by 17 inches, containing the following:
  1. Date, scale and north arrow;
  2. Name and address of the installation site;
  3. Name, address, phone number and contact person of the installing company;
  4. Scope of work to be performed;
  5. Name of the Central Station monitoring the system;
  6. Battery calculations showing 60-hours of battery backup or 24-hours for UL-Certificated systems;
  7. The size of the proposed battery (batteries in excess of 7.5 A/h require an additional battery box);
  8. Riser diagram showing all existing initiating zones reporting to the FACP and the new zone(s) created to supervise the AES radio;
  9. The proposed location of the AES radio;
  10. A smoke detector over the FACP/AES radio;
  11. A note indicating the AES radio is powered by a dedicated A/C power circuit with a breaker lock-on. AES radio and the FACP may share a dedicated circuit;
  12. A note indicating that a transformer cover is to be installed; and
  13. A note indicating the AES radio will be supervised (both audibly and visibly) for antenna cut, low battery and charger failure (J4 jumper) by the FACP on a separate zone/address.

☐ Addressable systems require an IntelliTap or IntelliPro Fire module for point ID transmission.

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

NOTE
For installations to a UL Certificated system or in a mounting location other than a heated environment next to the FACP, there may be additional requirements.