

System Architecture Diagram

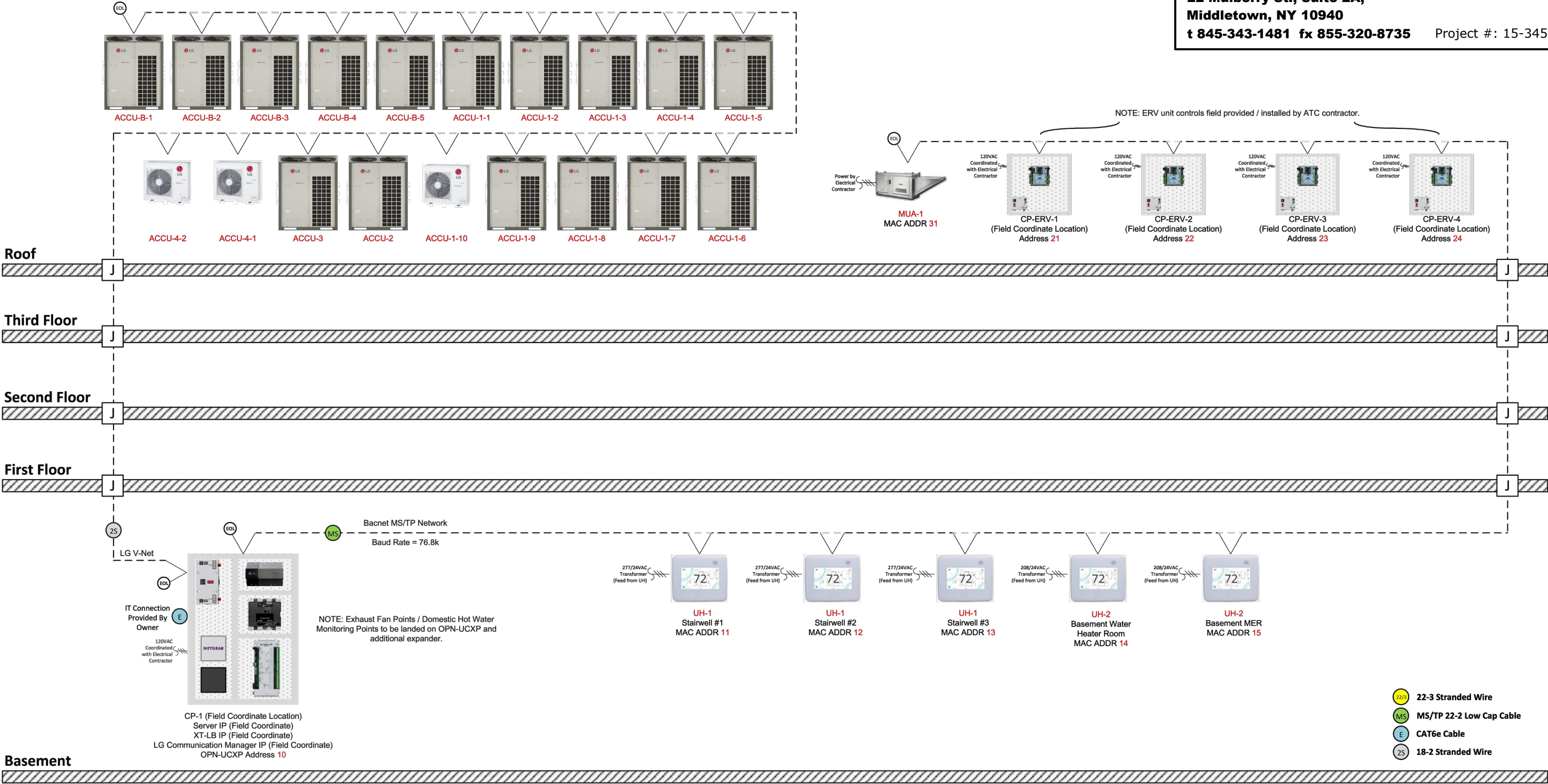
NOTE: All low voltage control wiring to be furnished, installed, terminated, and commissioned by Klima New York.

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System Architecture Diagram

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ACCU-B-1 System Architecture Diagram

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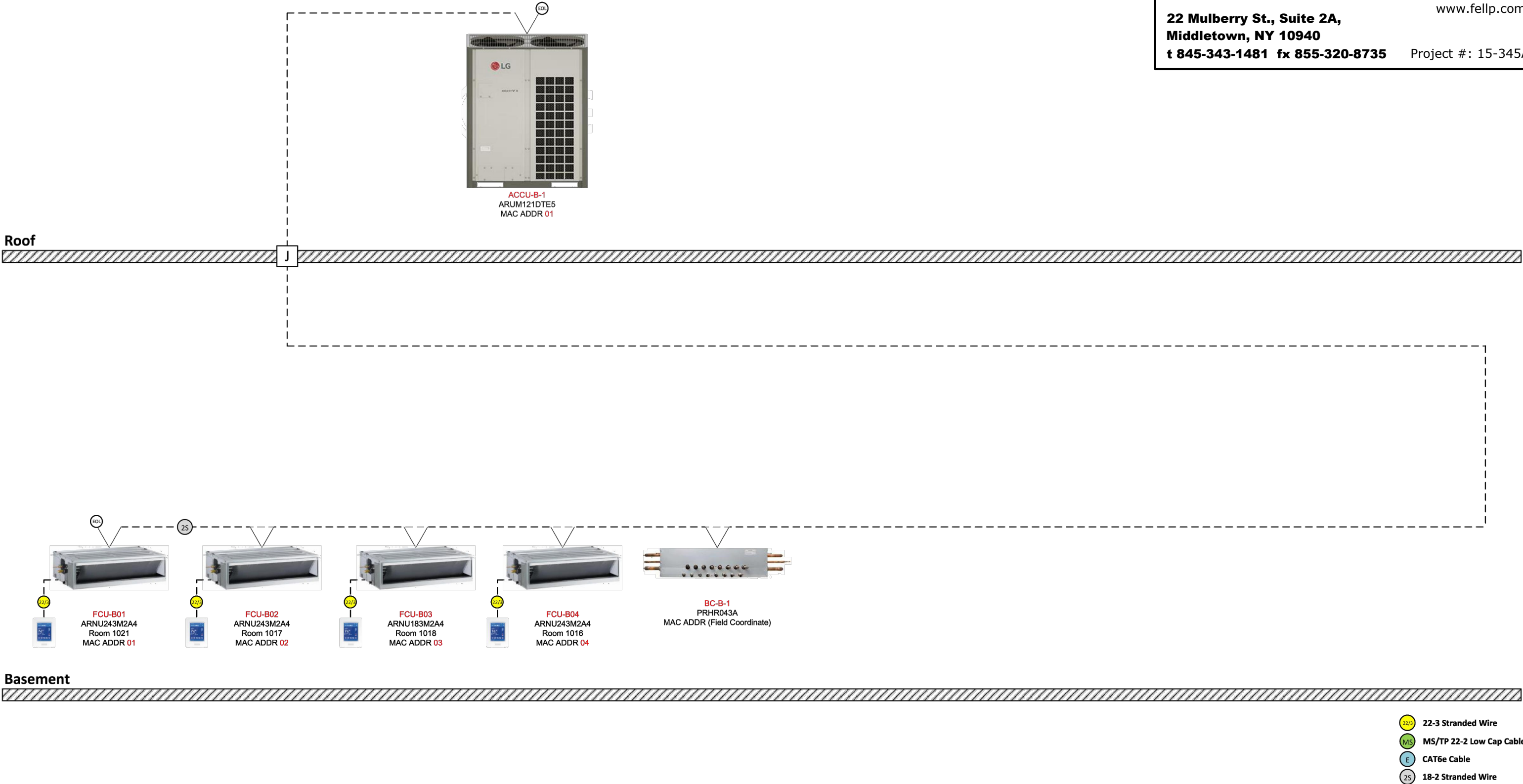
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ACCU-B-2 System Architecture Diagram

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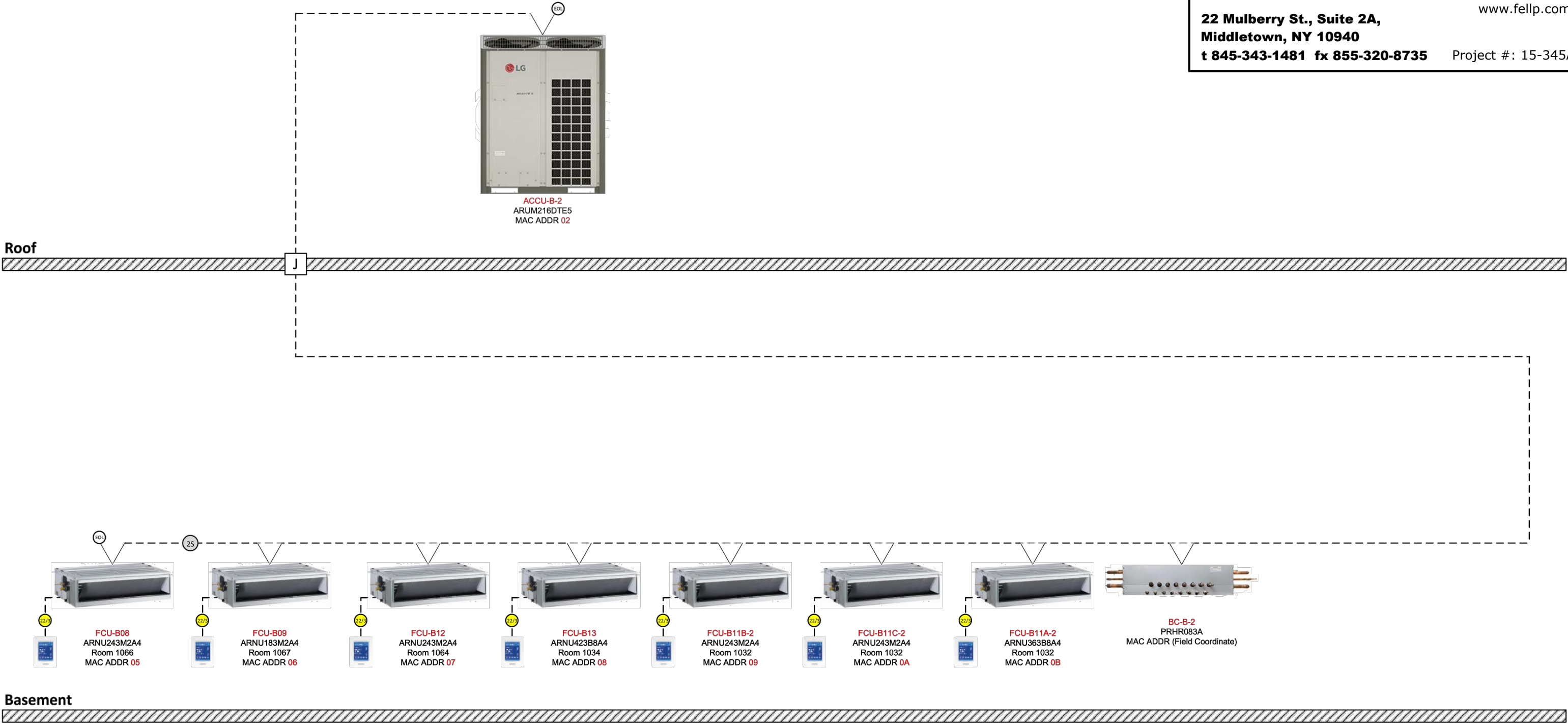
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- 22/3 22-3 Stranded Wire
- MS MS/TP 22-2 Low Cap Cable
- E CAT6e Cable
- 2S 18-2 Stranded Wire



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ACCU-B-3 System Architecture Diagram

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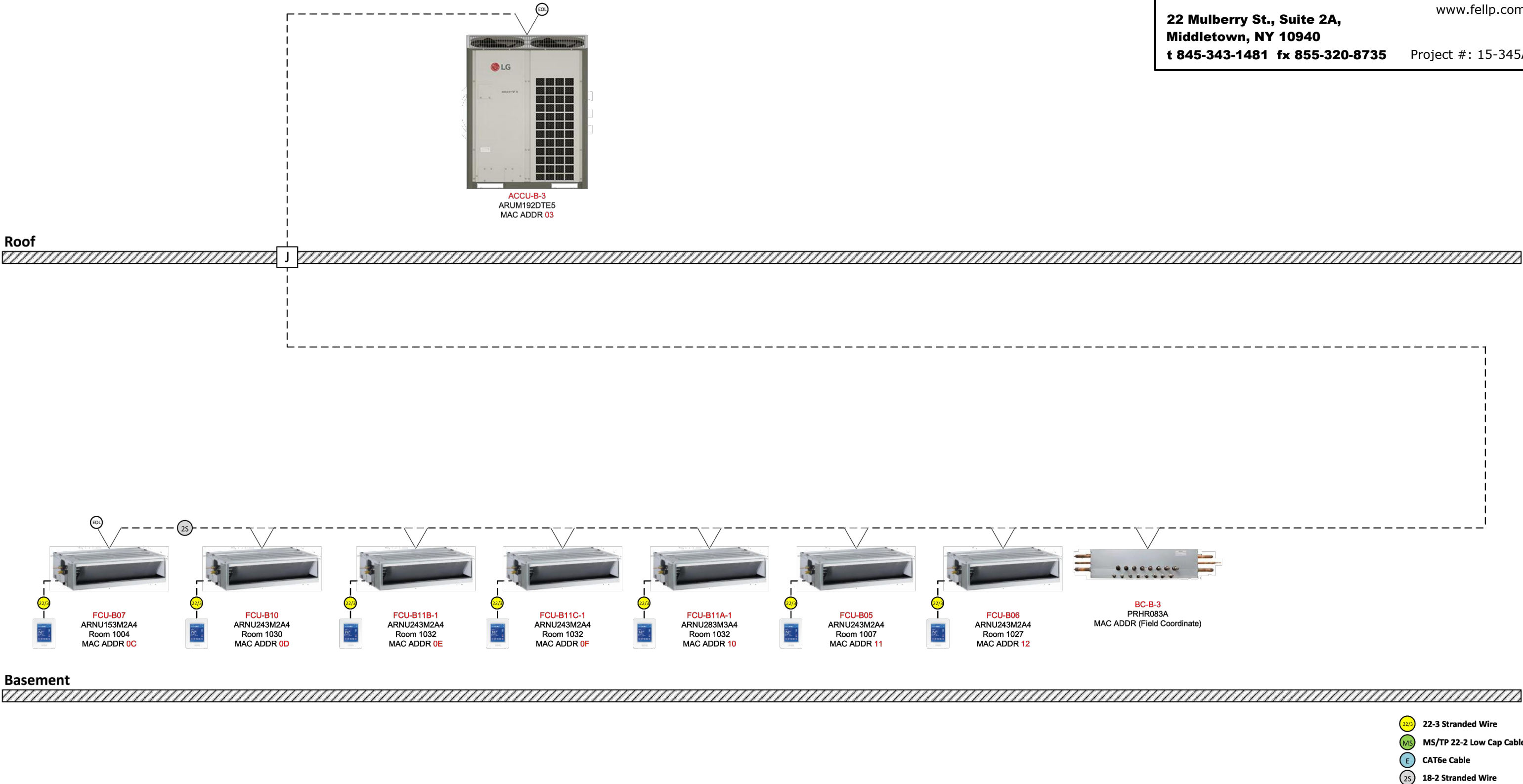
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ACCU-B-4 System Architecture Diagram

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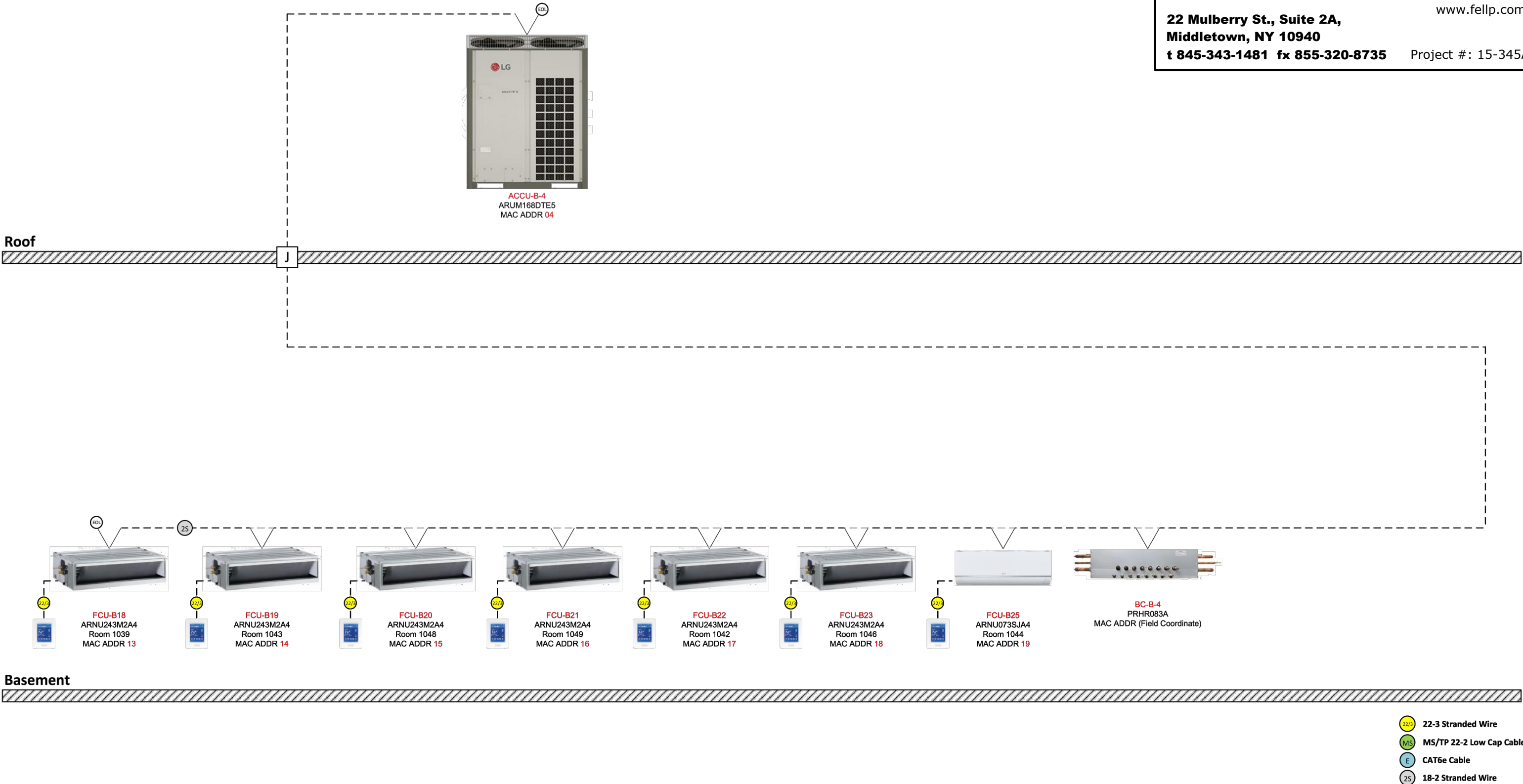
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ACCU-B-5 System Architecture Diagram

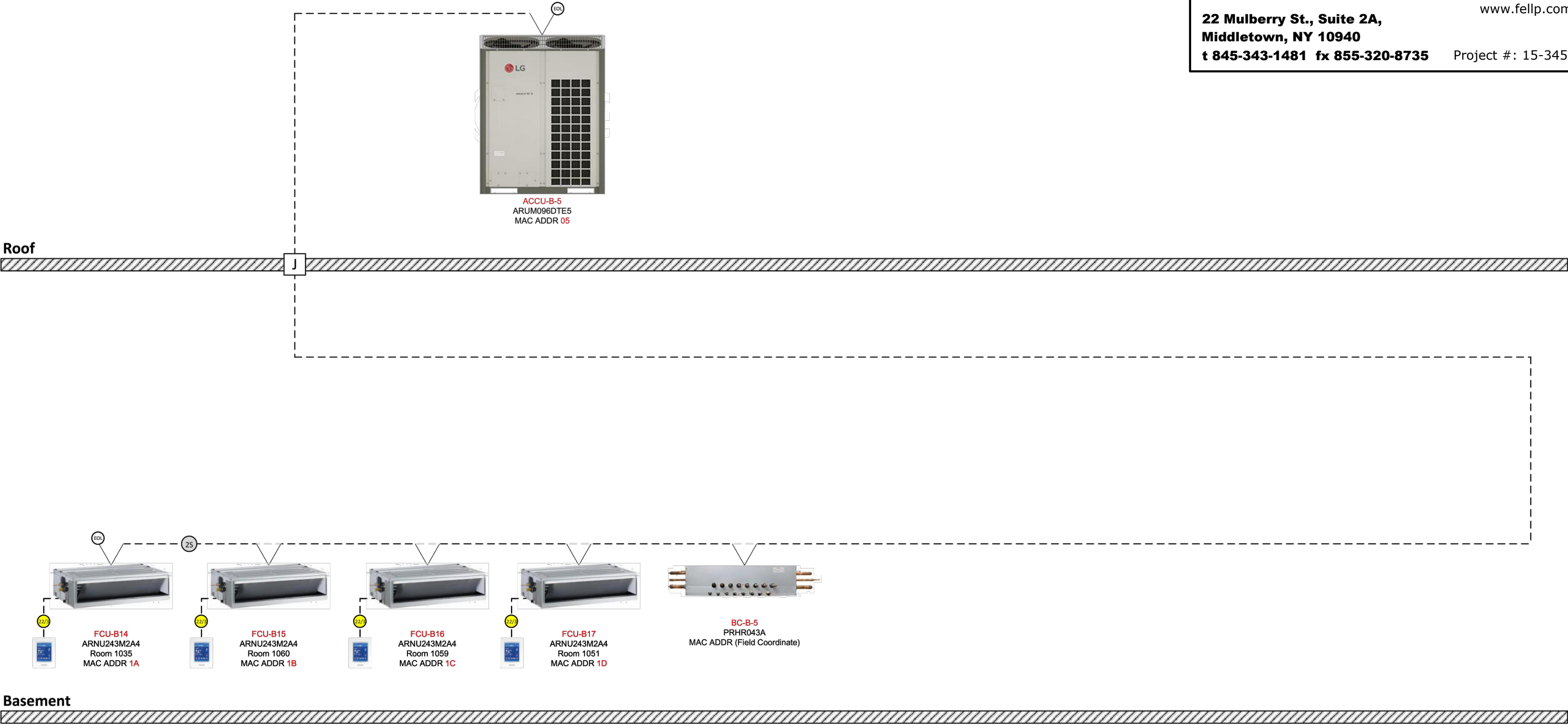
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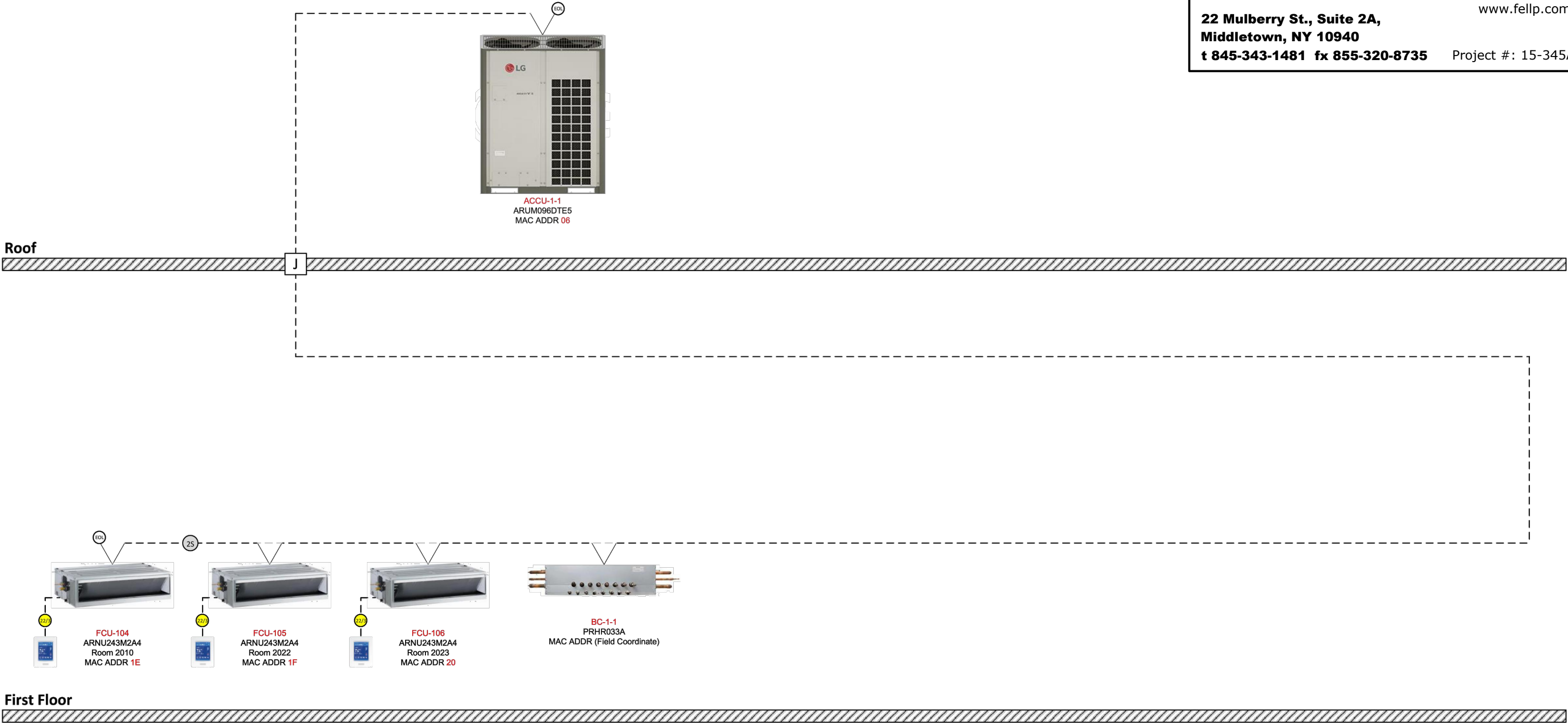
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ACCU-1-2 System Architecture Diagram

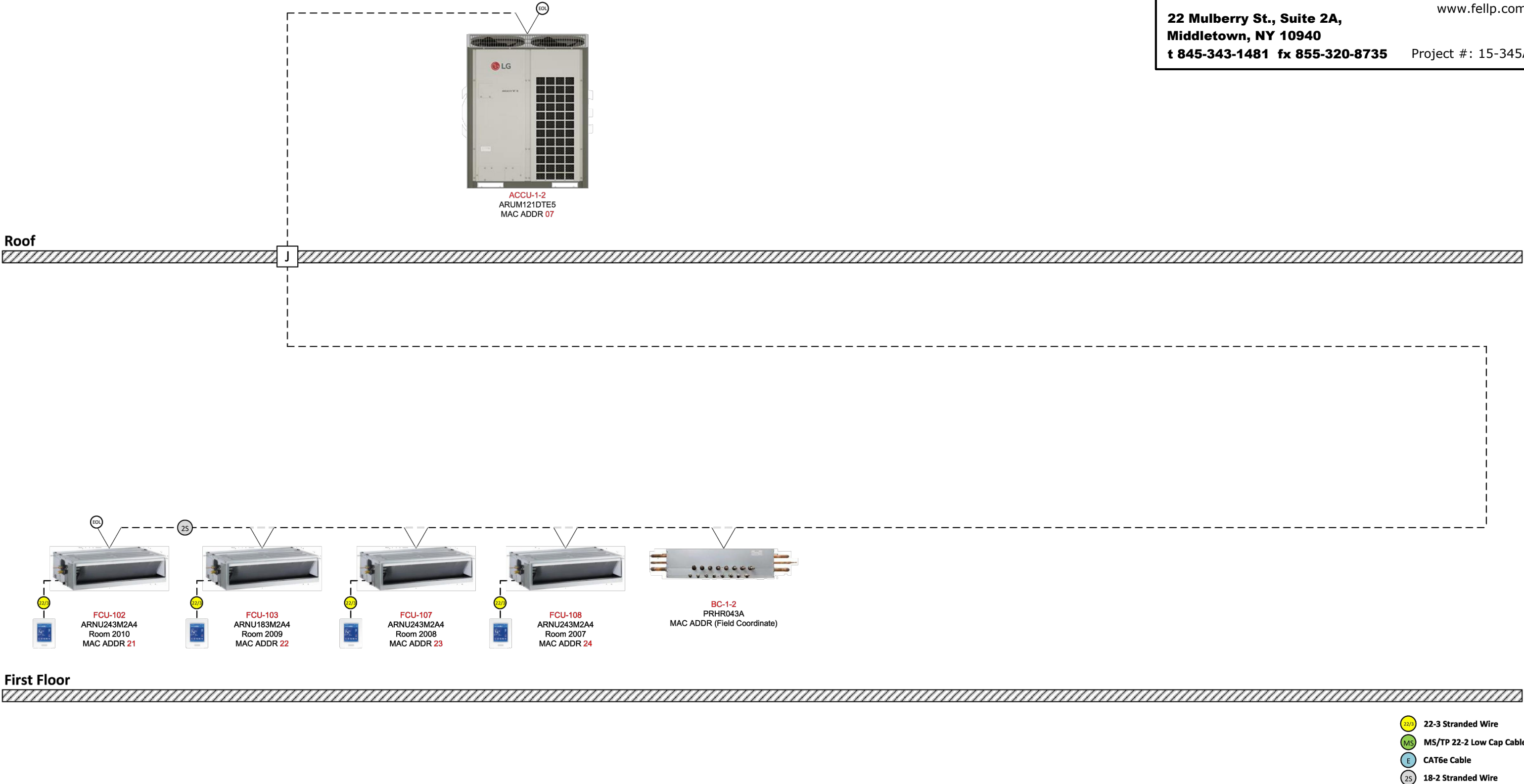
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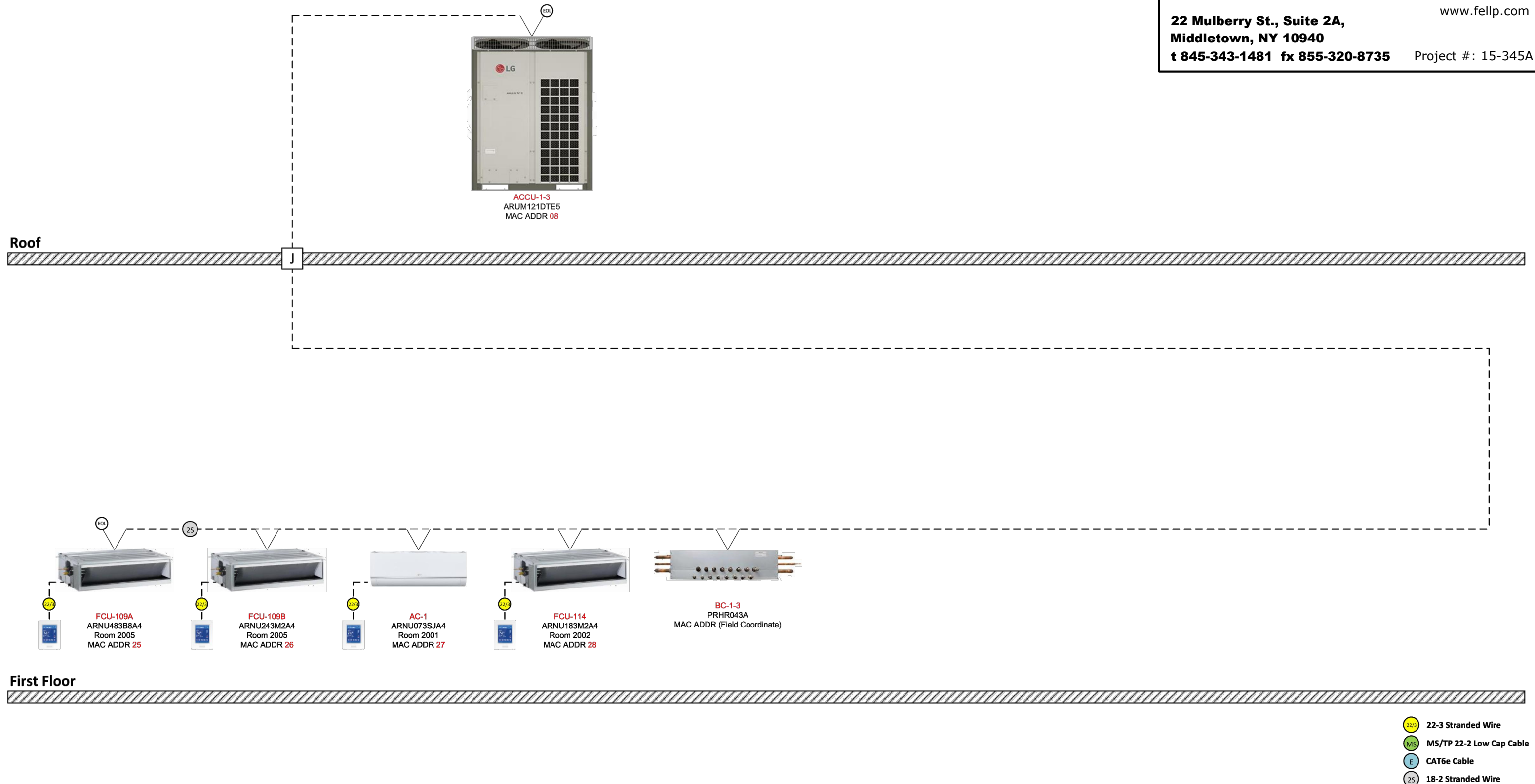
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ACCU-1-5 System Architecture Diagram

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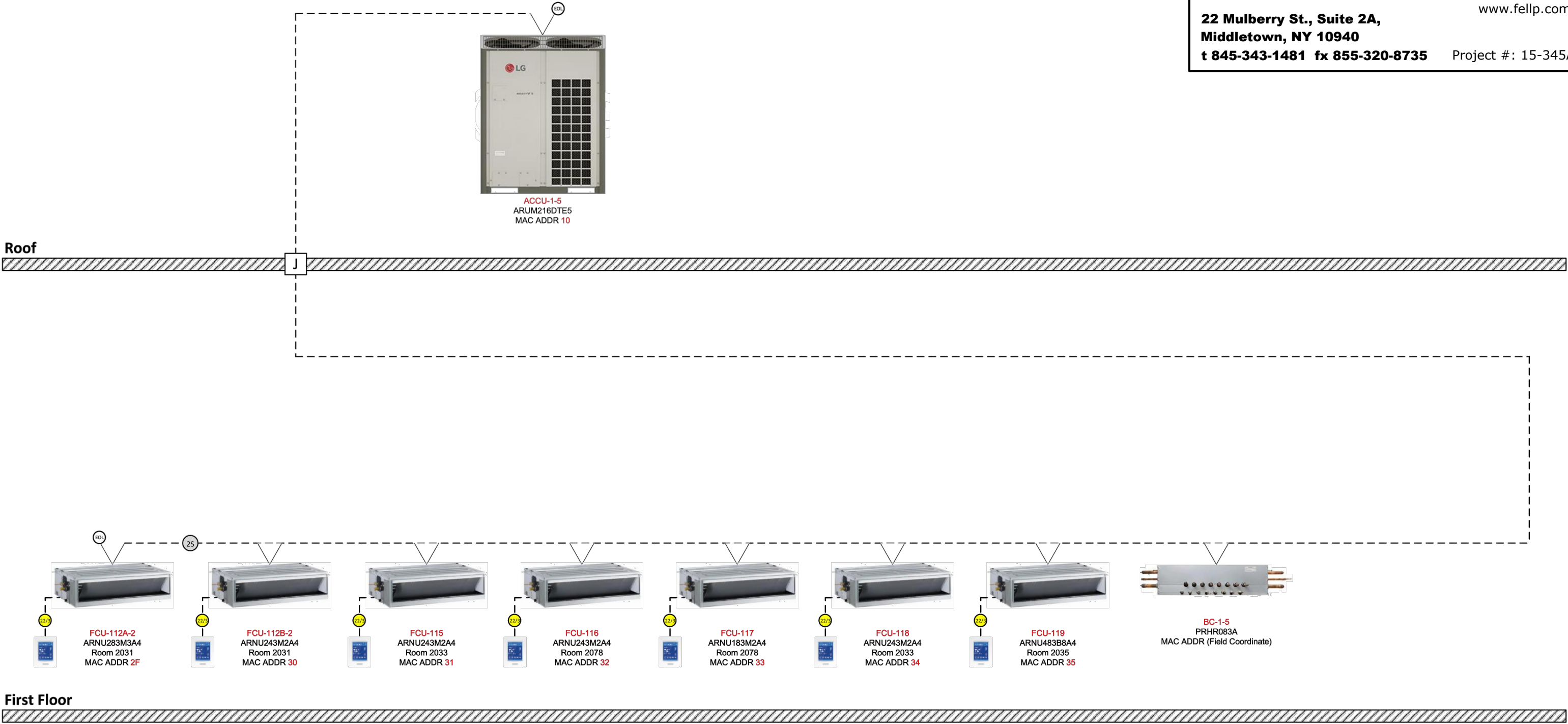
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ACCU-1-6 System Architecture Diagram

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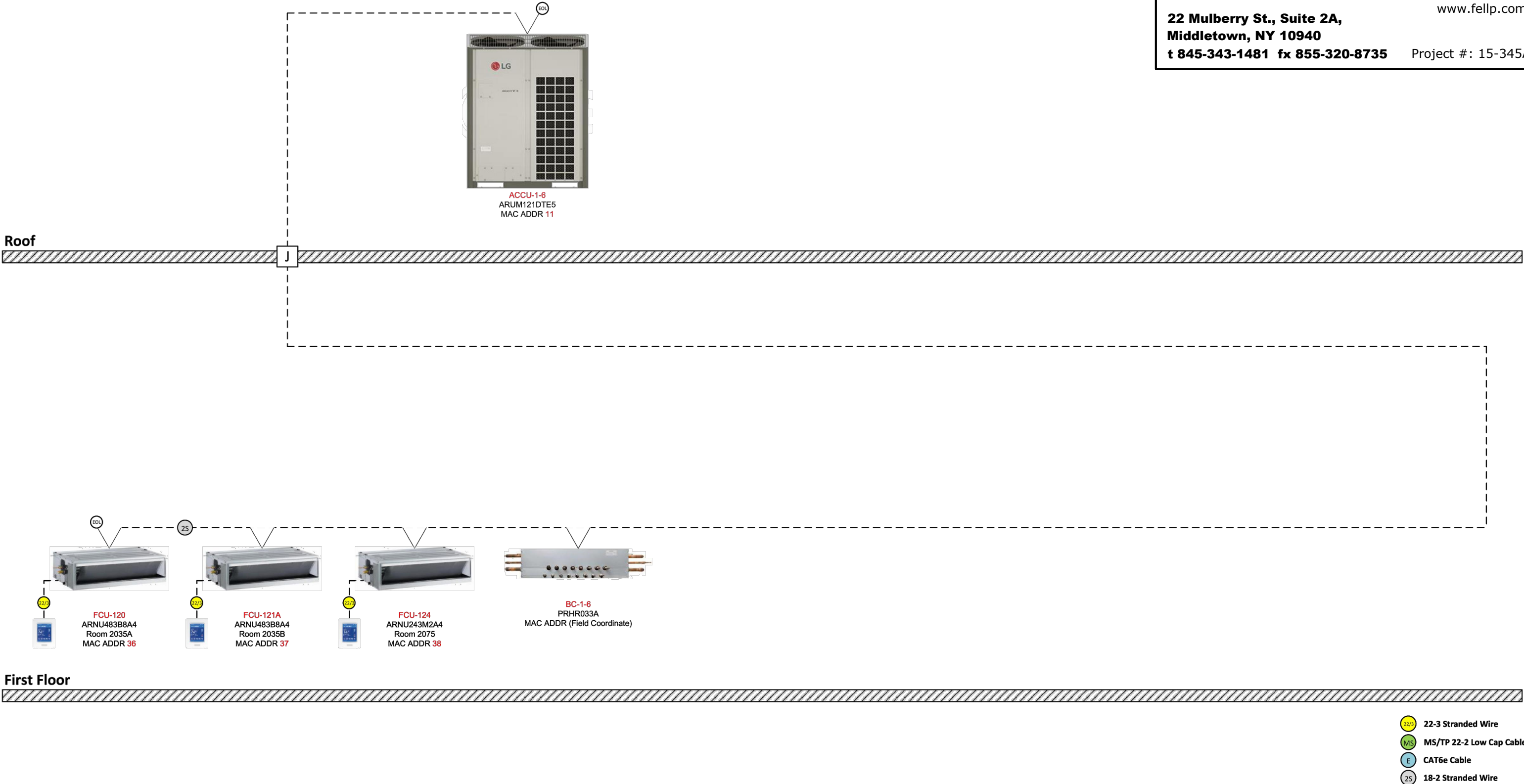
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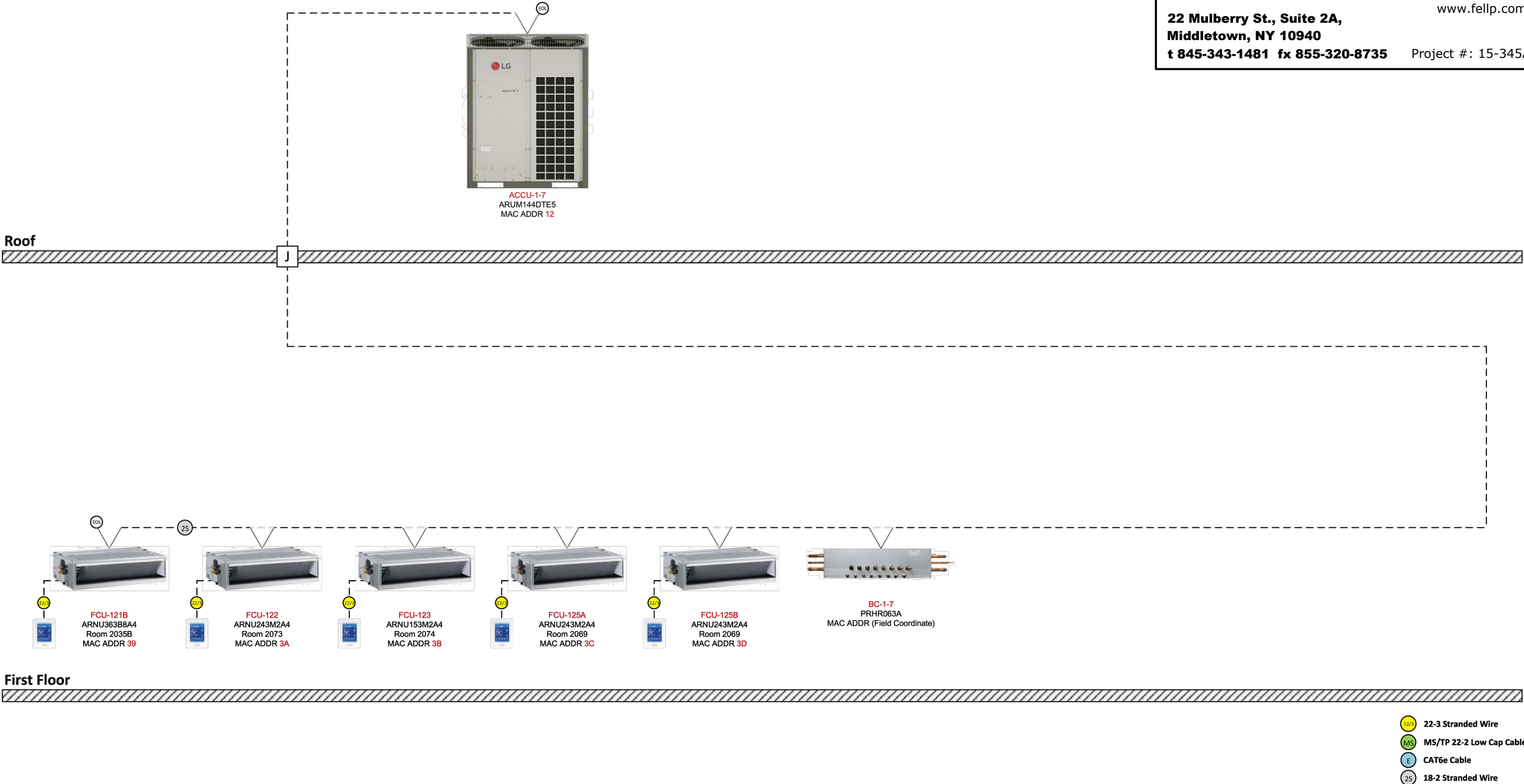
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ACCU-1-8 System Architecture Diagram

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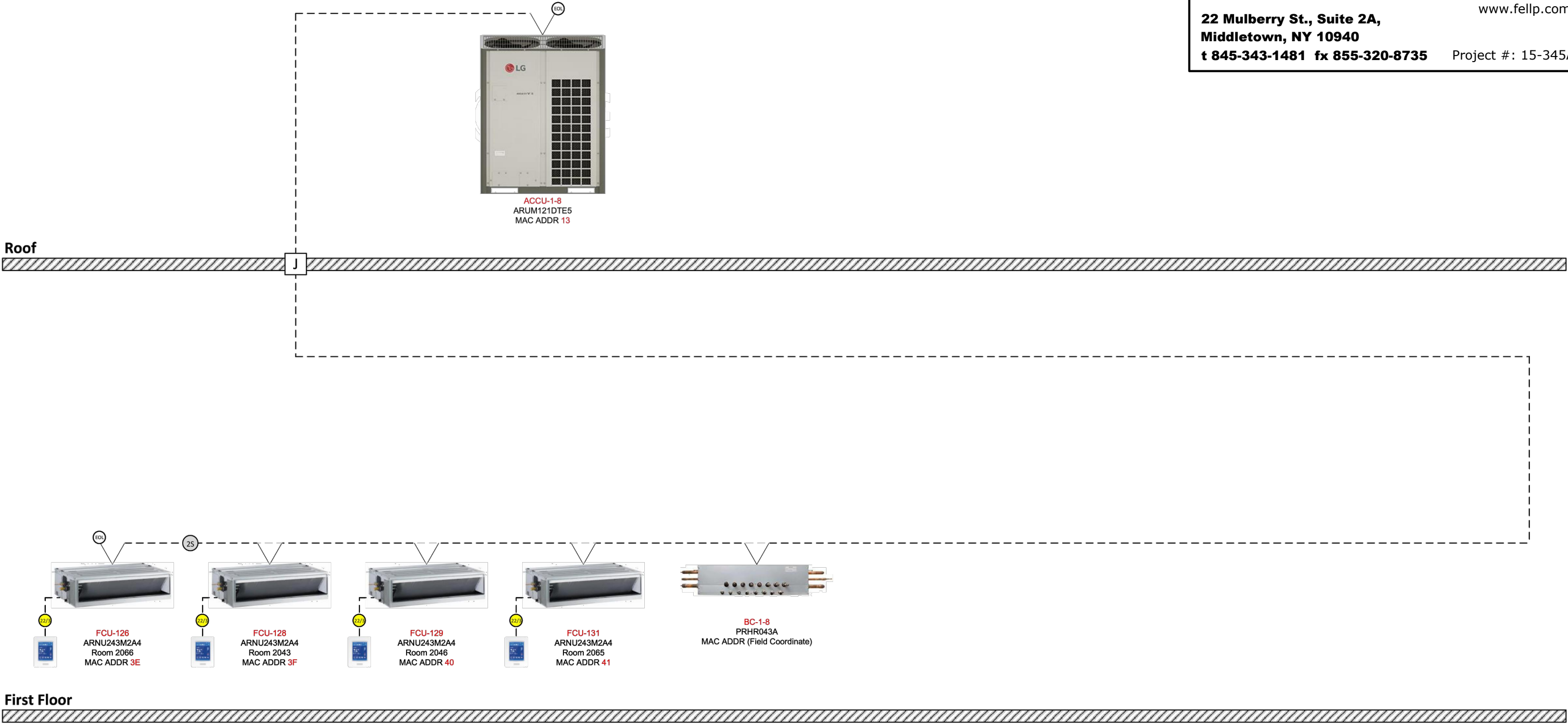
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ACCU-1-9 System Architecture Diagram

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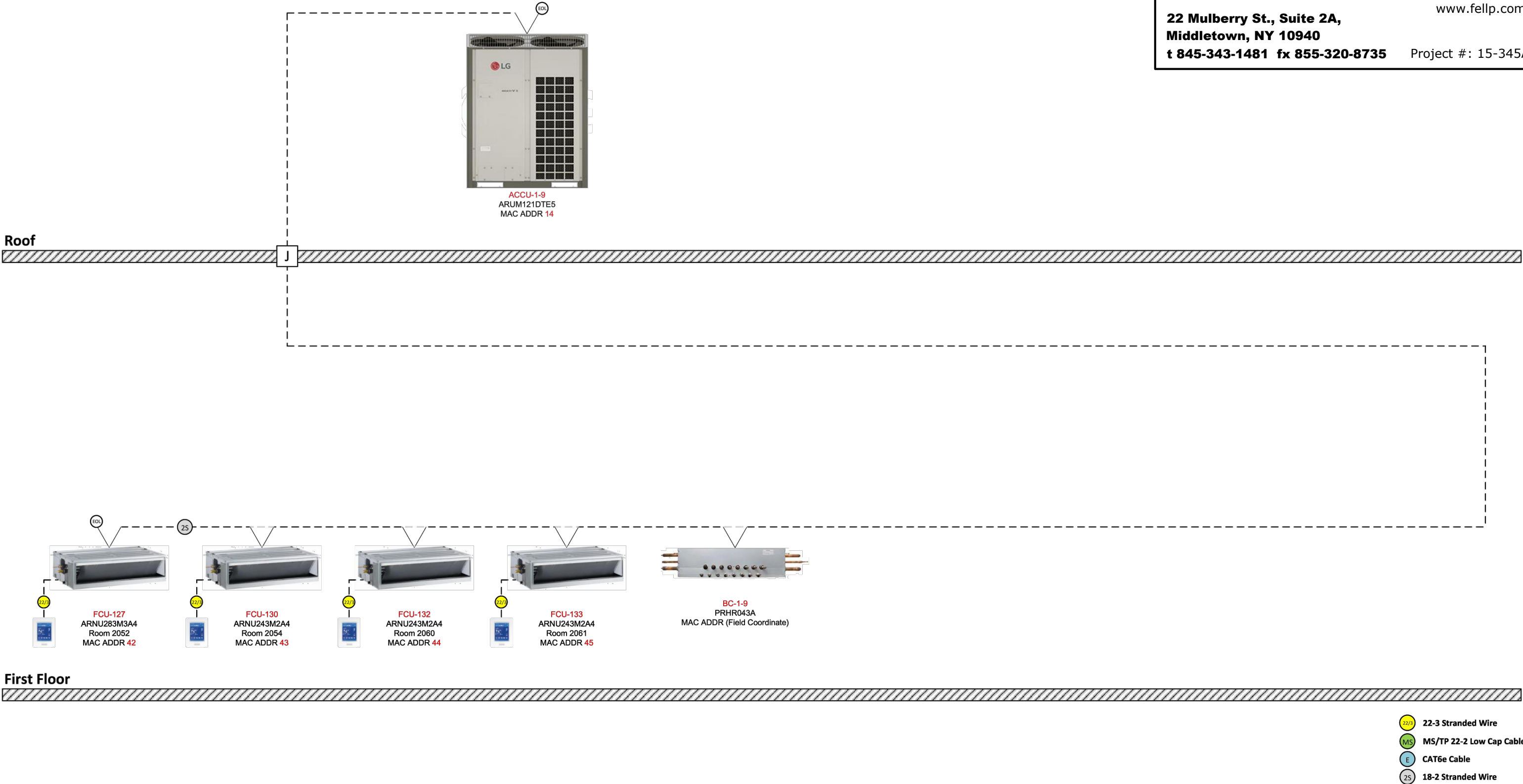
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ACCU-1-10 System Architecture Diagram

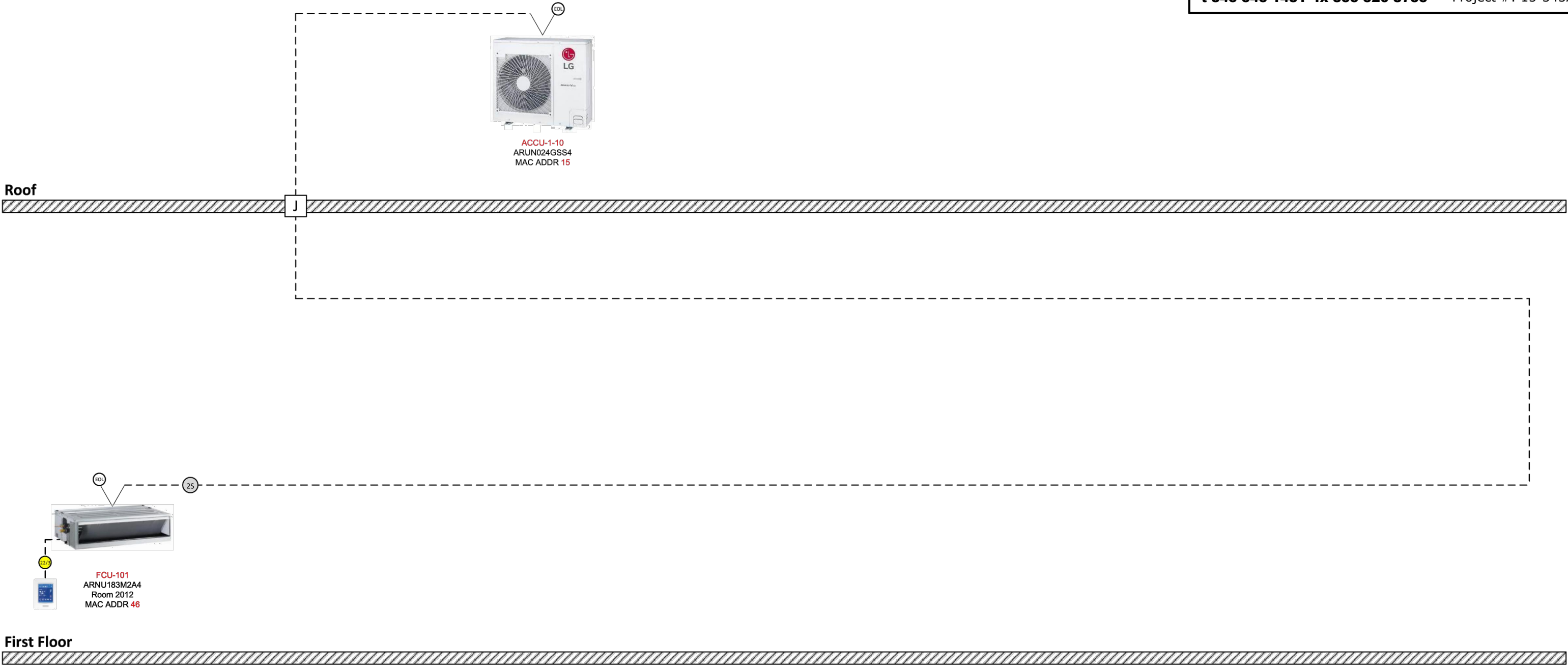
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ACCU-2 System Architecture Diagram

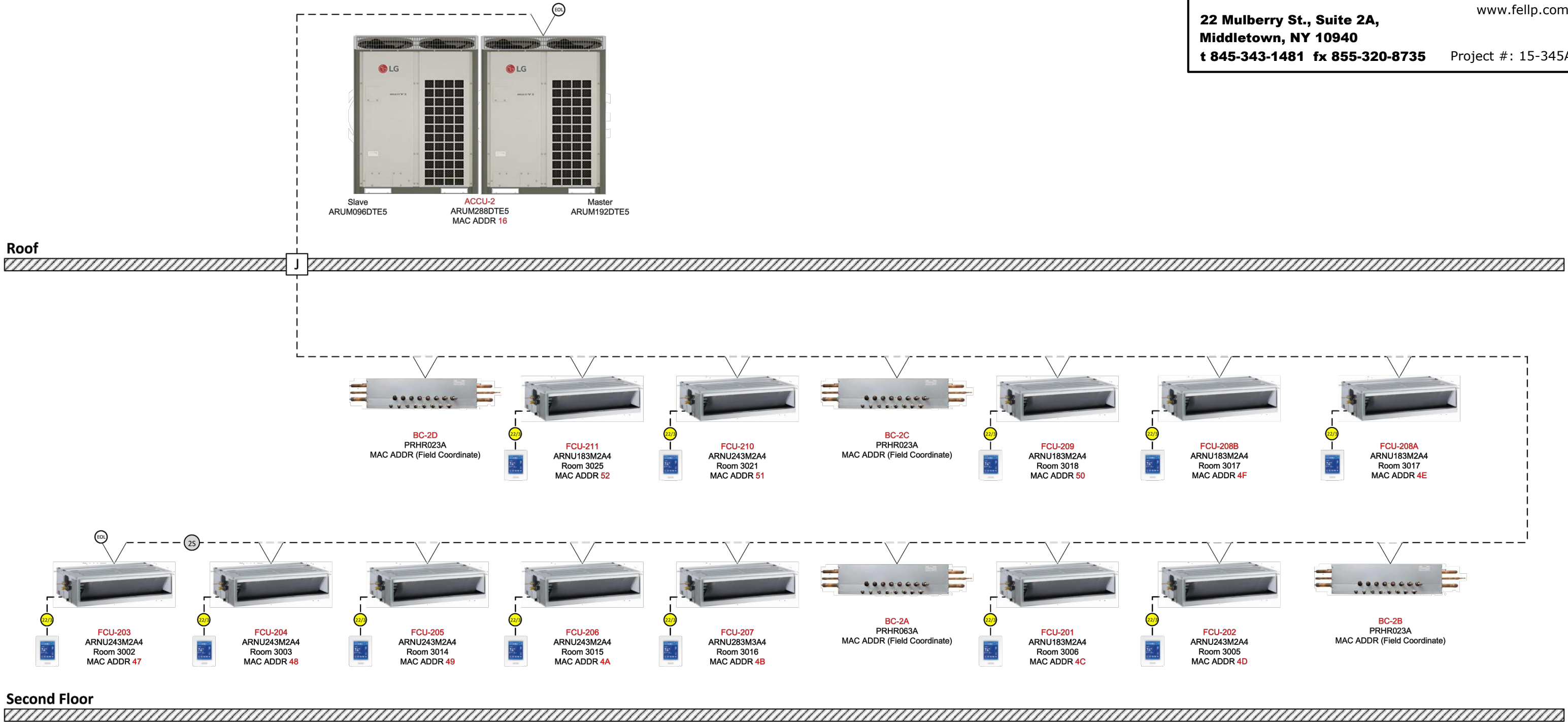
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ACCU-3 System Architecture Diagram

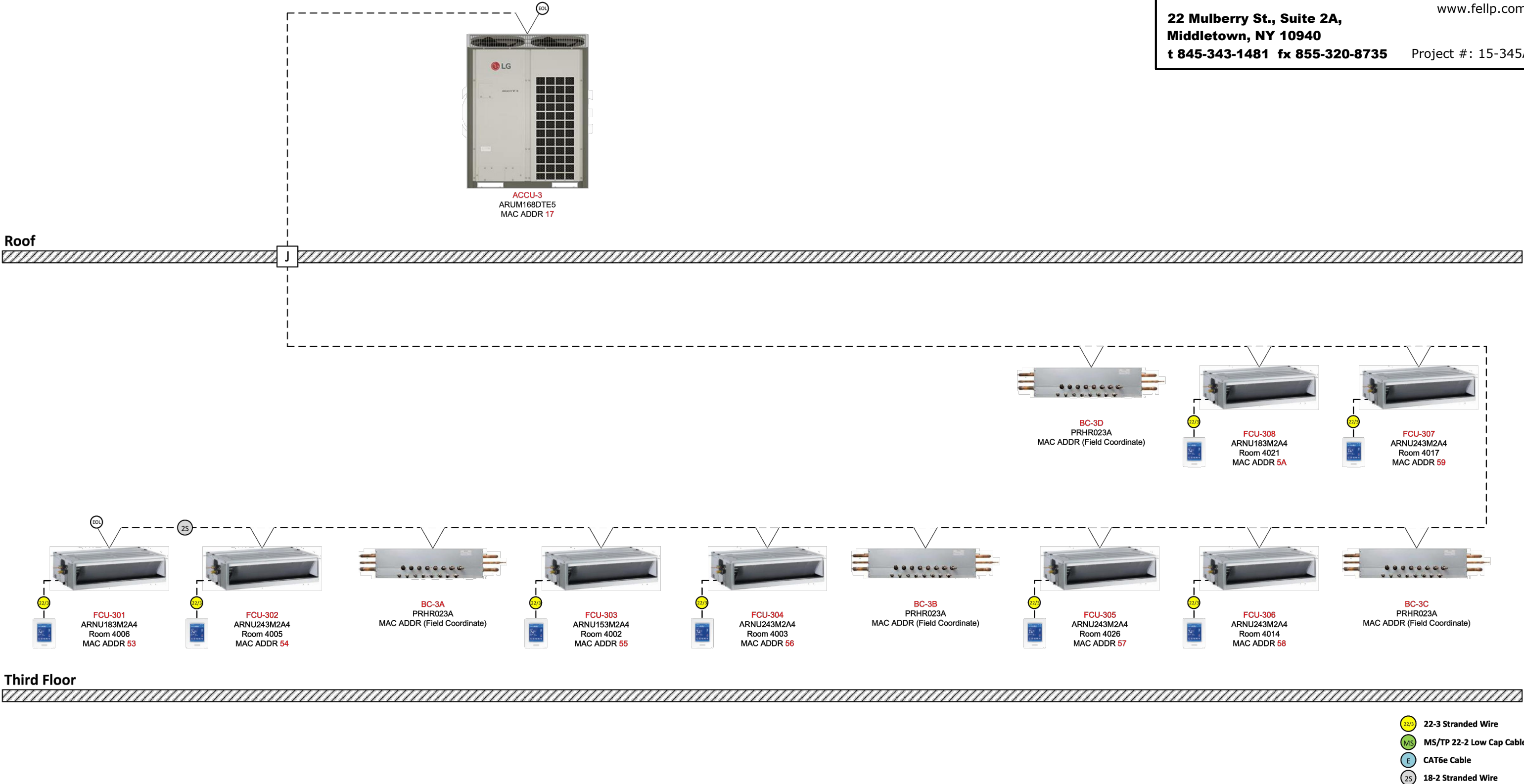
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ACCU-4-1 System Architecture Diagram

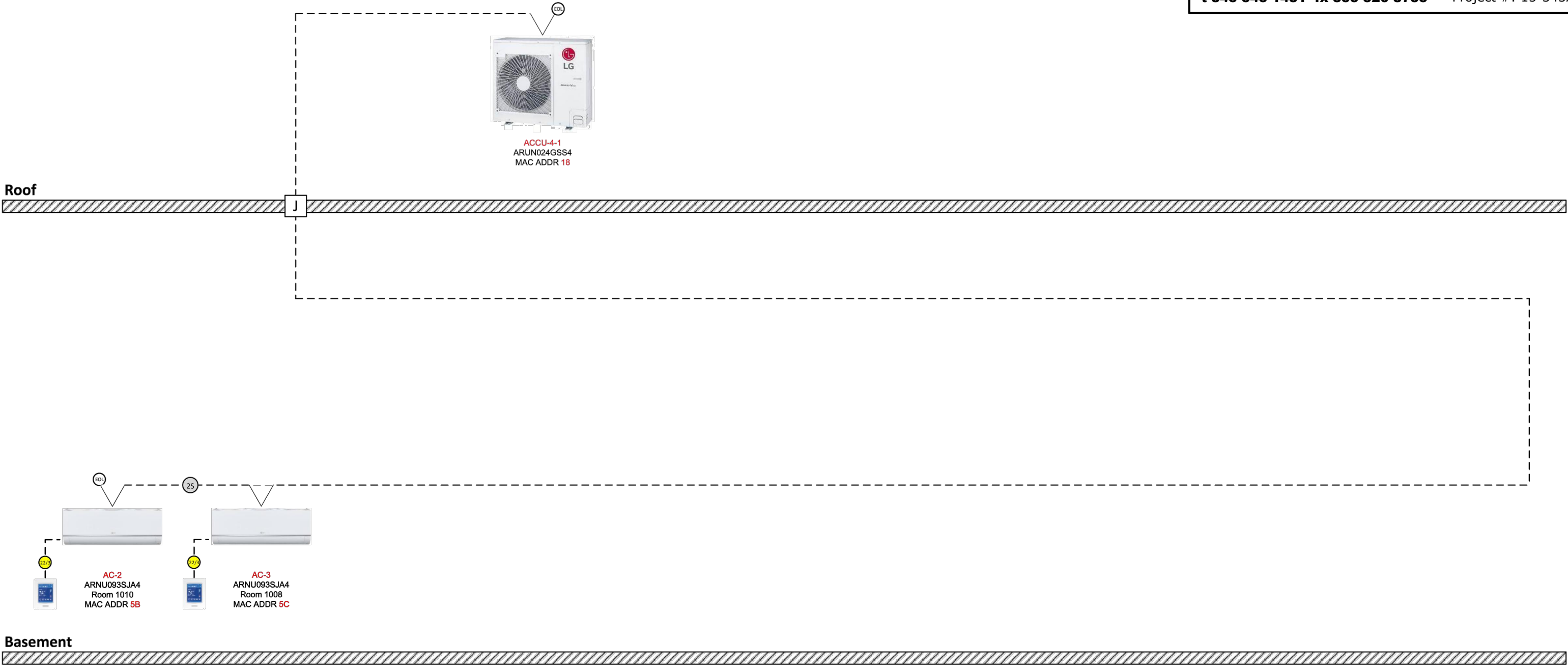
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ACCU-4-2 System Architecture Diagram

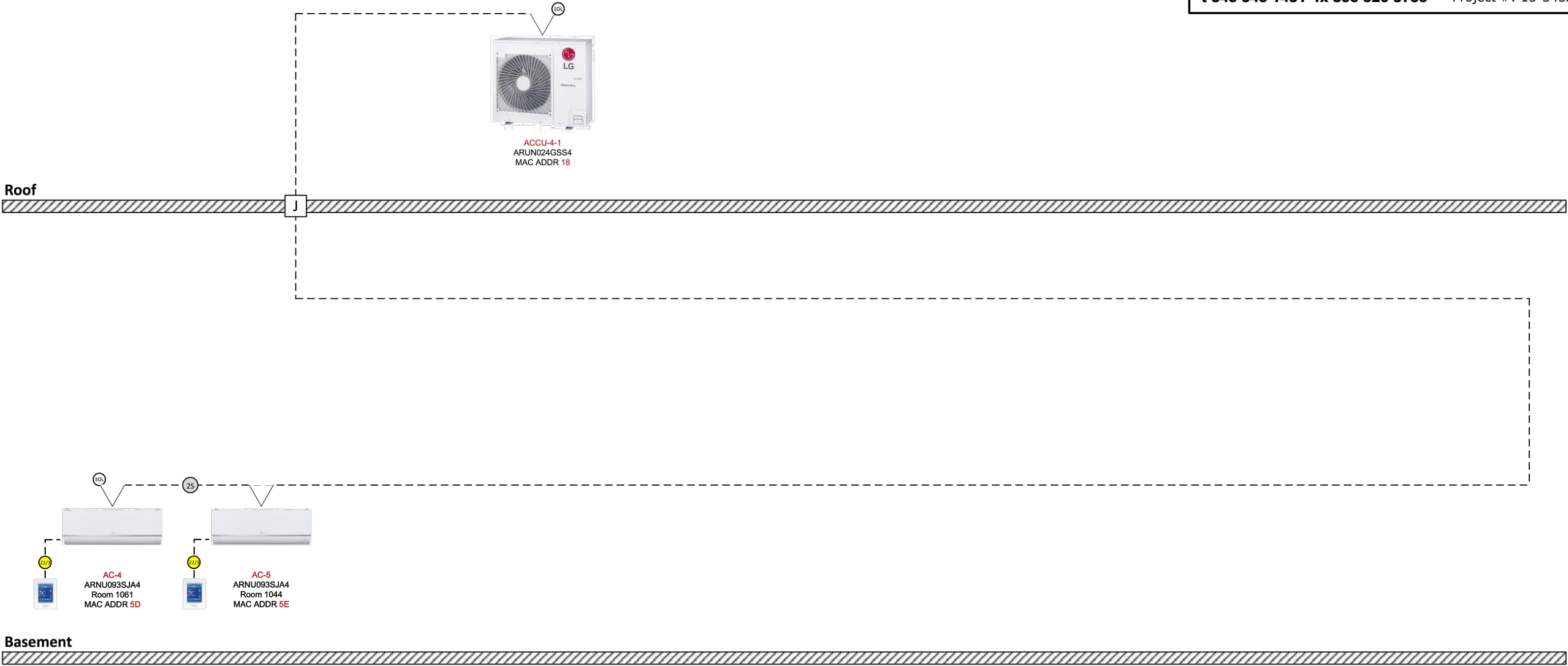
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Sequence of Operation

Energy Recovery Ventilator [ERV-x] (Typical of 4)

Shall operate based on a user defined schedule. On a call to run the outside air and exhaust air dampers shall be commanded open. Upon proof of open status by the damper actuator end switches the supply and exhaust fans shall start. When there is no call to run the outside air and exhaust air dampers shall be closed, the supply and exhaust fans shall stop. This sequence will be performed by the field installed BACnet controller. BACnet controller to monitor filter status switch for intake air and return air.

Make-Up Air Units [MUA-x] (Typical of 1)

Unit will operate based on factory programmed sequences. Integration to the BMS by BACnet MS/TP.

VRF SYSTEM [FCU -x] [ACCU-x] (Typical of 94 FCU / 19 ACCU)

Occupied and unoccupied modes of the unit's will be interlocked with the occupied/ unoccupied schedules of the respective zone schedules from the BMS. Units will be indexed to run and maintain room temperature setpoints under their own controls. During the unoccupied mode, the room temperature setpoint will be set back.

Unit Heater [UH-x] (Typical of 5)

Shall operate based on a user defined schedule. When the zone temperature drops below setpoint 68 °F (adj.), the fan will start, and zone valve (if equipped) shall open. When the zone temperature rises above setpoint 68 °F (adj.), the fan will stop, and the zone valve (if equipped) shall close. This sequence will be performed by the provided BACnet zone controller w/remote zone sensor.

Exhaust Fan [EF-x] (Typical of 12)

The unit shall run according to a user definable time schedule. The fan shall have a user definable (adj.) minimum runtime. The exhaust air damper shall open anytime the unit runs and shall close anytime the unit stops. The controller shall monitor the fan status.

Packaged Terminal Air Conditioning Unit [PTAC-x] (Typical of 200)

The PTAC units shall have local thermostats. All controls are stand-alone, no tie-in to BMS

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