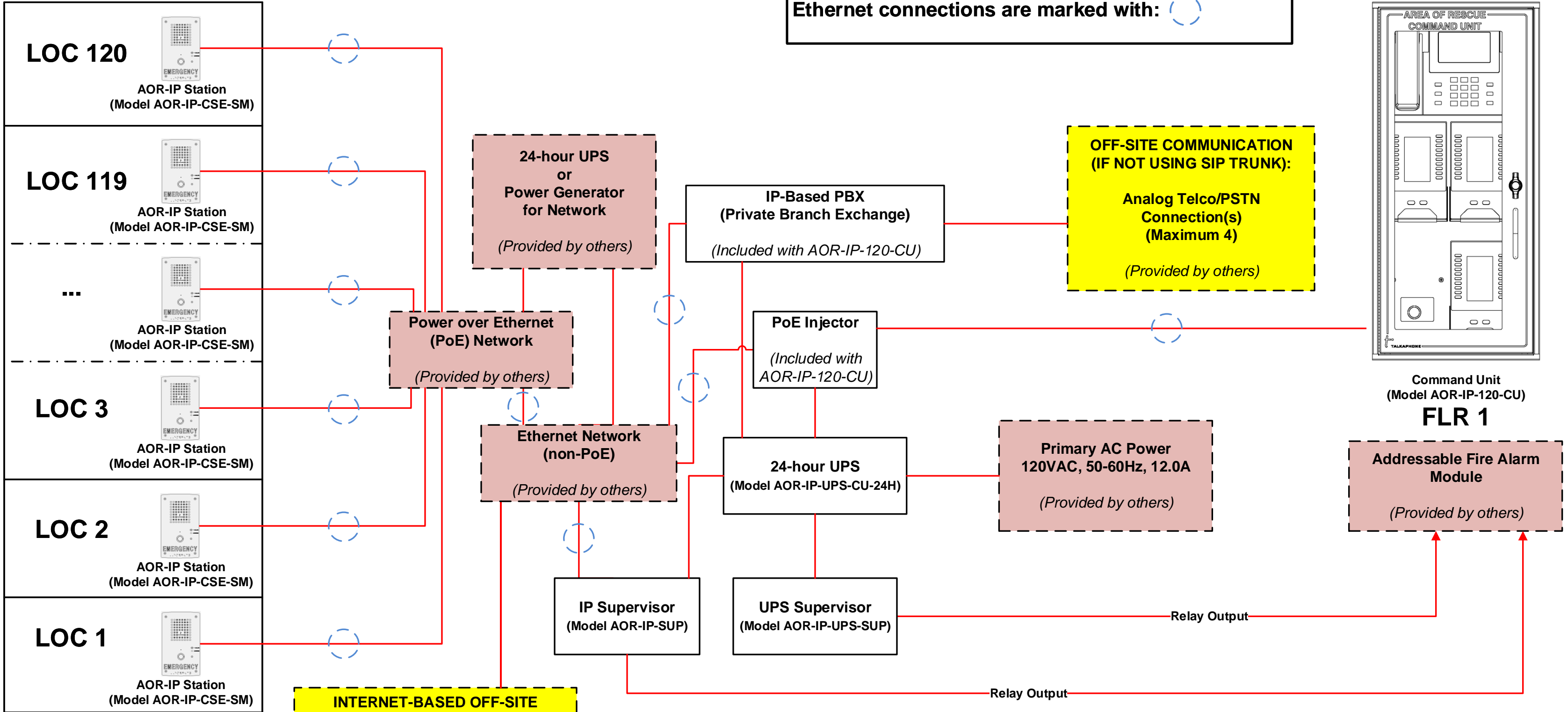# Riser Diagram for AOR-IP-120-CU System

Ethernet Wiring Specifications:
(1) Cat5e or greater Ethernet cabling
(2) Maximum cable length of **328 ft. (100 m)**
(3) 2-hour fire-rated cabling (CI or CIC) maybe be required in the local jurisdiction – check with local Authority Having Jurisdiction (AHJ)

Ethernet connections are marked with:

LOC 120
AOR-IP Station
(Model AOR-IP-CSE-SM)

LOC 119
AOR-IP Station
(Model AOR-IP-CSE-SM)

...
AOR-IP Station
(Model AOR-IP-CSE-SM)

LOC 3
AOR-IP Station
(Model AOR-IP-CSE-SM)

LOC 2
AOR-IP Station
(Model AOR-IP-CSE-SM)

LOC 1
AOR-IP Station
(Model AOR-IP-CSE-SM)

24-hour UPS or Power Generator for Network
(Provided by others)

Power over Ethernet (PoE) Network
(Provided by others)

Ethernet Network (non-PoE)
(Provided by others)

IP-Based PBX (Private Branch Exchange)
(Included with AOR-IP-120-CU)

PoE Injector
(Included with AOR-IP-120-CU)

24-hour UPS (Model AOR-IP-UPS-CU-24H)

Primary AC Power 120VAC, 50-60Hz, 12.0A
(Provided by others)

IP Supervisor (Model AOR-IP-SUP)

UPS Supervisor (Model AOR-IP-UPS-SUP)

OFF-SITE COMMUNICATION (IF NOT USING SIP TRUNK):
Analog Telco/PSTN Connection(s) (Maximum 4)
(Provided by others)

AREA OF RESCUE COMMAND UNIT

TALKAPHONE

Command Unit (Model AOR-IP-120-CU)

FLR 1

Addressable Fire Alarm Module
(Provided by others)

Relay Output

Relay Output

INTERNET-BASED OFF-SITE COMMUNICATION (IF NOT USING ANALOG CONNECTION):
SIP Trunk Connection(s) to PSTN (Maximum 50)
(Requires router, SIP service, and Internet connectivity provided by others)

IMPORTANT NOTES:
(1) Survivability requirements and regulations may vary depending on the local jurisdiction. Please contact your Authority Having Jurisdiction (AHJ) for further details.
(2) Since fire-rated system requirements can vary from jurisdiction to jurisdiction, please approach a third-party firestop company for an "engineering judgment" or "firestop EJ".
(3) Installation of components of the AOR-IP system into a fire-rated area or room may be required depending on the requirements of the jurisdiction.