AES RADIO INSTALLATION SUMMARY
SOUTH HILL CENTER

Read Permit Conditions prior to calling for inspection.

INSTALLATION OF NEW AES 7707P-88-UPL FIRE RADIO
@ 4102 SOUTH MERIDAN, PUYALLUP, WA 98371

CONNECTED TO EXISTING:

AES TROUBLE OUTPUT CONNECTED TO EXISTING SYTEM
BY THE FOLLOWING METHOD: ZONE EXISTING ON PANEL

ACCT# 81-1057 C/S: NORTHWEST RADIO

FACP: SK-5208 NETCOM: 5 AND 7 GOOD PATHS

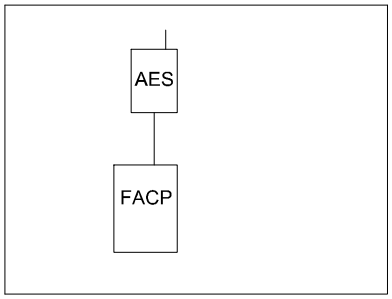
7067 INTELLITAP: NO 7770 FIRETAP: NO

DEDICATED BREAKER: PANEL#: LHP CKT#: 8

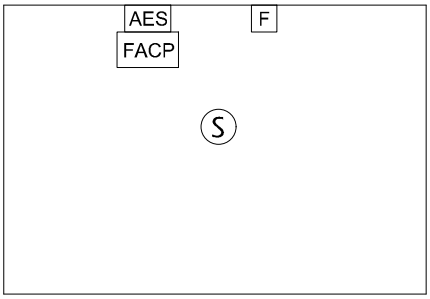
ADRIAN M. STEIK
Senior Engineering Technician, Level 4
NICET Certifcation Number: 093706
Authorizing Signature:

	UHF Antenna Options (450-480 MHz)			
	Antenna dB	Construction	Usage	Length
■	2.5 dB Case Top Flex Tamper Resistant (1 & 2)	Vinyl Clad	Indoor	11 in.
☐	3 dB Stealth (Not Shown Below) (3)	Vinyl Clad	Indoor	1.5 ft.
☐	3 dB Standard Gain (4 & 5)	Steel Mast	Indoor	1.5 ft.
☐	5 dB High Gain (4)	Steel Mast	Indoor	3 ft.
☐	6 dB Rugged High Gain (4)	Fiberglass Mast	In/Outdoor	4.5 ft.
☐	7 dB Rugged Higher Gain (4)	Fiberglass Mast	In/Outdoor	6 ft.
☐	9 dB Central Station High Gain (4)	Fiberglass Mast	In/Outdoor	6 ft.

Notes:
1. This antenna was evaluated by UL and approved for use in a UL 864 Edition 9 system.
2. Included standard Tamper Resistant antenna, mounts on Alarm Unit's enclosure. Includes cable.
3. Mounts in attics, vents, walls, behind drapes, ect. Includes 10-foot cable.
4. Requires cable (See Section 1.10). Usually requires user supplied mounting hardware such as a pole with mounting brackets/hardware.
5. Antenna is intended for outdoor use, supplied mount is intended for indoor use as coax connection is exposed. To use outdoors, connection must be sealed with a suitable product such as a self-fusing tape to protect against moisture.



FACP/RDACT LAYOUTS



FACP ROOM LAYOUT w/ DETECTOR

AES CORPORATION 40 Years of SECURITY INNOVATION

Battery Capacity Calculator Instructions:
1) Select the AES product from the AES Product field.
2) Select if Ethernet Cable is required during normal operation. This only applies to 2.0 subscribers.
3) Enter the # of hours of backup time required. AES products are UL listed for 24 hours operation on battery backup.
4) The calculator will return the recommended battery capacity.

AES Product	Ethernet Cable Required
7707P-88-ULP-M	Yes

Standby Current (Amps)		Ethernet Current (Amps)		Total Standby Current (Amps)	Alarm/Transmit Current (Amps)		QTY		Total Alarm Current (Amps)
0.348	+	0.015	=	0.363	0.868	x	1	=	0.868
Total Standby Current (Amps)				0.363	Total Alarm Current (Amps)				0.868

# Hours Backup Time		Standby Current (Amps)		Required Standby Capacity (Amp-Hours)	Required Alarm Time (Hours)		Alarm/Transmit Current (Amps)		Required Alarm Capacity (Amp-Hours)
24	x	0.363	=	8.7	0.25	x	0.868	=	0.2

Required Standby Capacity (Amp-Hours)		Required Alarm Capacity (Amp-Hours)		Total Required Backup Capacity (Amp-Hours)
8.7	+	0.2	=	8.9

Total Required Backup Capacity (Amp-Hours)		Recommended Safety Factor		Recommended Minimum Battery Capacity (Amp-Hours) ***
8.9	x	120%	=	10.7

*** The battery requirements presented here are only AES recommendations. For UL listed battery requirements please read the product Installation and Operation Manual.

City of Puyallup Fire
REVIEWED FOR COMPLIANCE
DDrake
10/06/2025
7:13:05 AM

City of Puyallup
Development & Permitting Services
ISSUED PERMIT
Building | Planning
Engineering | Public Works
Fire | Traffic

THE APPROVED CONSTRUCTION PLANS AND ALL ENGINEERING MUST BE POSTED ON THE JOB AT ALL INSPECTIONS IN A VISIBLE AND READILY ACCESSIBLE LOCATION.

Approval of submitted plans is not an approval of omissions or oversight by this office or noncompliance with any applicable regulations of local government. The contractor is responsible for making sure that the building complies with all applicable building codes and regulations of the local government.