

RIVER TRAIL APARTMENTS

FACP REPLACEMENT & WIRELESS COMMUNICATOR INSTALLATION



FIRE PROTECTION INC.
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NFPA
000805173



ROY L. CATS
CERTIFIED FIRE PROTECTION SPECIALISTS
NFPA
CFPS
#1473

DRAWN BY: NICK CHANDLER, AET NICET III - #148121
CHECKED BY: NICK CHANDLER, AET NICET IV - #126904
SEATTLE FIRE DEPT. - FACP - C 9955
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DAVID NOW:

REVISION RECORD
DATE / DESCRIPTION

DATE:	01.18.25
PROJECT NAME	

RIVER TRAIL APARTMENTS
1617 EAST MAIN AVE
PUYALLUP, WA 98372

SHEET TITLE
FIRE ALARM FACP REPLACEMENT

SHEET NUMBER

FA 0

City of Puyallup

Development & Permitting Services

ISSUED PERMIT

Building

Planning

Engineering

Public Works

Fire

Traffic

City of Puyallup

Fire

REVIEWED FOR COMPLIANCE

DDrake

03/05/2025

11:17:11 AM

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.

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

OPERATIONAL MATRIX

SYSTEM INPUTS

SYSTEM OUTPUTS

Supervising Station Notification

Control Unit Annunciation

FIRE ALARM

1 Building A FACP Smoke Detector

2 Building A Residential

3 Building A Commercial

4 Building B

5 Building C

6 Building D

7 Building E

8 Building F

9 Building G

10 Building H

11 Building J

12 Building K

13 Building L

14 Building M

15 Building N

WATERFLOW

16 Dry-Flow Switch - Building A

17 Wet-Flow Switch - Building B

18 Wet-Flow Switch - Building C

19 Wet-Flow Switch - Building D

20 Wet-Flow Switch - Building E

21 Wet-Flow Switch - Building F

22 Wet-Flow Switch - Building G

23 Wet-Flow Switch - Building H

24 Wet-Flow Switch - Building J

25 Wet-Flow Switch - Building K

26 Wet-Flow Switch - Building L

27 Wet-Flow Switch - Building M

28 Wet-Flow Switch - Building N

SUPERVISORY

29 Hi/Low Air Switches - Building A

30 Sprinkler Tamper Switches - Building A

31 Sprinkler Tamper Switches - Building B

32 Sprinkler Tamper Switches - Building C

33 Sprinkler Tamper Switches - Building D

34 Sprinkler Tamper Switches - Building E

35 Sprinkler Tamper Switches - Building F

36 Sprinkler Tamper Switches - Building G

37 Sprinkler Tamper Switches - Building H

38 Sprinkler Tamper Switches - Building J

39 Sprinkler Tamper Switches - Building K

40 Sprinkler Tamper Switches - Building L

41 Sprinkler Tamper Switches - Building M

42 Sprinkler Tamper Switches - Building N

TROUBLE

43 Fire Alarm AC Power Failure - Building A

44 Fire Alarm System Low Battery - Building A

45 Open Circuit - Building A

46 Ground Fault - Building A

47 Notification Appliance Circuit Short - Building A

48 System Trouble - Building B

49 System Trouble - Building C

50 System Trouble - Building D

51 System Trouble - Building E

52 System Trouble - Building F

53 System Trouble - Building G

54 System Trouble - Building H

55 System Trouble - Building J

56 System Trouble - Building K

57 System Trouble - Building L

58 System Trouble - Building M

59 System Trouble - Building N

60 Full System Open Circuit

61 Full System Ground Fault

Actuate Audible Alarm Signal For Building A

Actuate Audible Alarm Signal For Building B

Actuate Audible Alarm Signal For Building C

Actuate Audible Alarm Signal For Building D

Actuate Audible Alarm Signal For Building E

Actuate Audible Alarm Signal For Building F

Actuate Audible Alarm Signal For Building G

Actuate Audible Alarm Signal For Building H

Actuate Audible Alarm Signal For Building J

Actuate Audible Alarm Signal For Building K

Actuate Audible Alarm Signal For Building L

Actuate Audible Alarm Signal For Building M

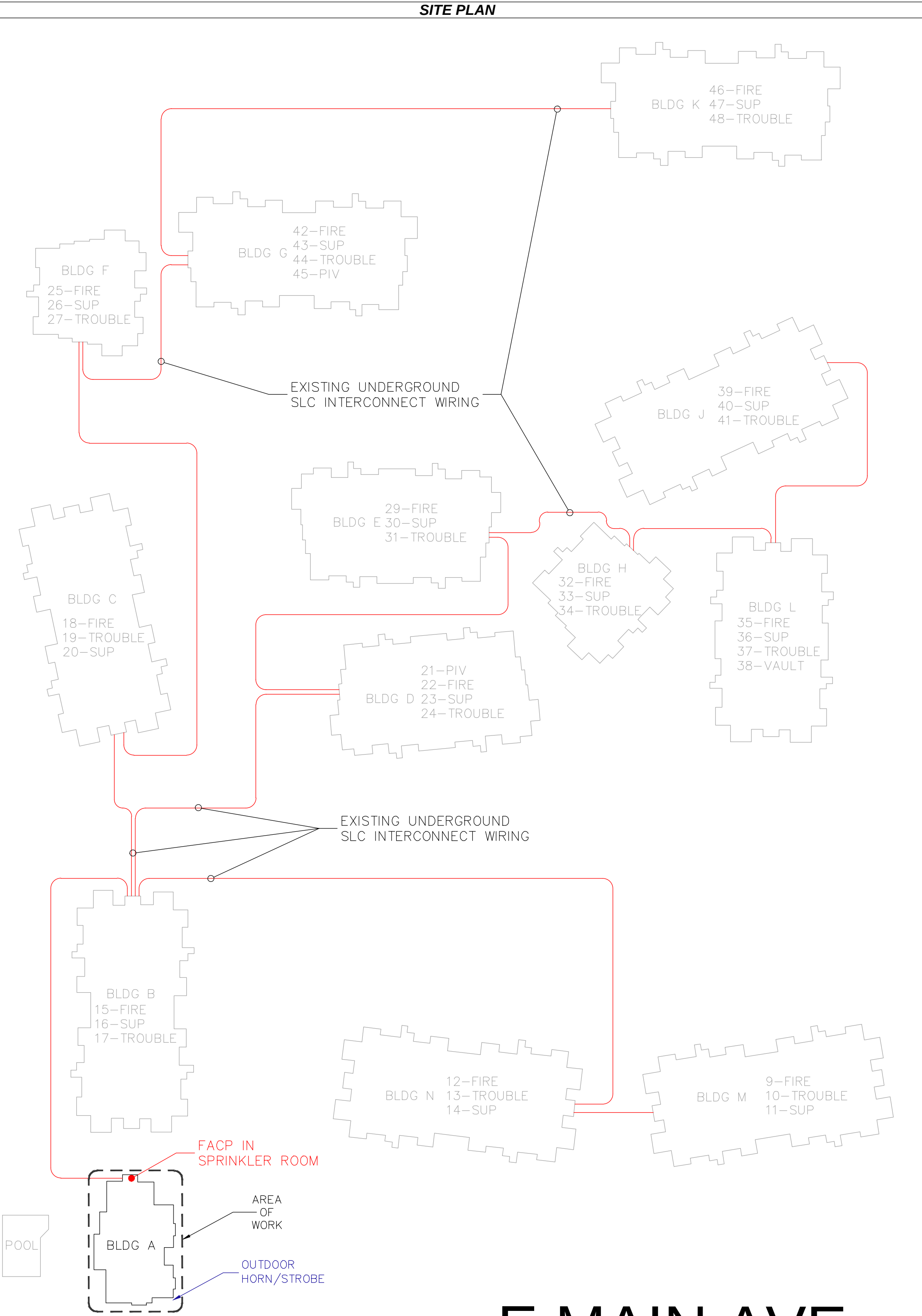
Actuate Audible Alarm Signal For Building N

Transmit Fire Alarm Signal At Each Individual Bldg

Transmit Supervisory Signal To Supervising Station

Indicate Status on the FACP

EQUIPMENT LEGEND			
SYMBOL	MANUFACTURER	PART NO	DESCRIPTION
NEW DEVICES			
FACP	SILENT KNIGHT	SK-6700	FIRE ALARM CONTROL PANEL, ADDRESSABLE, SD PROTOCOL
AES	AES CORP	7707P-88-M	INTELLINET 2.0 FIRE SUBSCRIBER, 8 ZONE WITH MULTIPLE COMMUNICATION TECHNOLOGIES (MCT), RED ENCLOSURE
EXISTING DEVICES			
S	SILENT KNIGHT	SD505-APS	ADDRESSABLE PHOTOELECTRIC SMOKE DETECTOR
H	SILENT KNIGHT	SD505-AHS	ADDRESSABLE HEAT DETECTOR
F	SILENT KNIGHT	SD500-PS	ADDRESSABLE MANUAL PULL STATION
AIM	SILENT KNIGHT	SD500-MIM	ADDRESSABLE MINIATURE INPUT MODULE
ND	SYSTEM SENSOR	HR/SR/P2R	OCCUPANT NOTIFICATION DEVICES



SHEET INDEX	
SHEET #	SHEET DESCRIPTION
FA 0	PROJECT DETAILS & SITE INFORMATION
FA 1	FIRE ALARM BUILDING A, BATTERY CALCULATIONS, POINT TO POINT VOLTAGE DROP, MONITORING ZONES & SINGLE LINE RISER DIAGRAM
PROJECT DETAILS	
SCOPE OF WORK : THE EXISTING ADDRESSABLE FACP (FAREHYT IFP-100) IN BUILDING A WAS FOUND TO HAVE A FAULTY CHARGING CIRCUIT. THIS PANEL PROVIDES MONITORING TO ALL OTHER 12 BUILDINGS ONSITE VIA MINI MODULES MONITORING THE FACP AT EACH INDIVIDUAL BUILDING (FIRE, SUPERVISORY, AND TROUBLE). THE EXISTING FAULTY FACP WILL BE REPLACED WITH AN ADDRESSABLE FACP (SILENT KNIGHT SK-6808). AN AES RADIO WILL ALSO BE INSTALLED TO REPLACE THE POTS LINES FOR COMMUNICATION. FIRE PANEL BEING REPLACED IS LOCATED IN THE FIRE SPRINKLER ROOM OF BUILDING A.	
ALL EXISTING DEVICES / CIRCUITS WILL BE REMAIN AND BE TIED IN AS-IS. NO CHANGES WILL BE MADE TO THE EXISTING SYSTEM. THE EXISTING BUILDING IS FULLY-SPRINKLED.	
EXISTING FIRE ALARM DEVICE COUNTS : (1) ADDRESSABLE FACP, (1) AES 2.0 RADIO, (5) PULL-STATIONS, (12) SMOKE DETECTORS, (8) HEAT DETECTORS, (16) OCCUPANT NOTIFICATION DEVICES, AND (39) MODULES MONITORING THE OTHER BUILDINGS FACP.	
EXISTING FIRE SPRINKLER EQUIPMENT : (1) DRY WATERFLOW, AND (4) TAMPER SWITCHES.	
PROJECT CONTACT INFO	
OWNER / TENANT C/O AMERICAN PROPERTY MANAGEMENT 1617 E MAIN PUYALLUP, WA 98372 CONTACT : PAUL GRESHAM PHONE : 253.449.7682 EMAIL : 061R1V1@ACG.COM	FIRE ALARM CONTRACTOR FIRE PROTECTION, INC. 17410 ASH WAY, Ste B LYNNWOOD, WA 98037 CONTACT : NICK CHANDLER PHONE : 425.290.9600 EMAIL : NICK@FPISSEATTLE.COM
CODE INFO	
AUTHORITY HAVING JURISDICTION : CITY OF PUYALLUP	
BUILDING CODE : 2021 IBC & CITY OF PUYALLUP	
FIRE CODE : 2021 IFC & CITY OF PUYALLUP	
ELECTRICAL CODE : 2017 NEC & CITY OF PUYALLUP	
STANDARDS : 2016 NFPA 72, CITY OF PUYALLUP	
BUILDING USE AND OCCUPANCY : R-2 (FULLY SPRINKLED)	
CLASSIFICATION OF SUPERVISING STATION : REMOTE SUPERVISING STATION	
REMOTE SUPERVISING STATION : SECURITAS	
PARCEL NUMBER : 0420262055	
INSTALLATION NOTES	
1. ALL WORK SHALL BE IN ACCORDANCE WITH NFPA STANDARDS AND ALL LOCAL ADOPTED CODES.	
2. ALL CIRCUITS MUST BE TESTED FOR OPENS, CONTINUITY, SHORTS, AND GROUNDS.	
3. INSTRUCTIONS FOR THE OPERATING, TESTING AND MAINTENANCE OF THE SYSTEM, ALONG WITH RECORD DRAWINGS OTHERWISE REFERRED TO AS ("AS-BUILT") AND EQUIPMENT SPECIFICATIONS SHALL BE PROVIDED TO THE OWNER ONCE THE FIRE ALARM SYSTEM HAS BEEN ACCEPTED BY THE AHJ. .	
4. ALL SYSTEMS AND DEVICES SHALL BE INSTALLED AND TESTED PER THE MANUFACTURES LISTING AND THE AUTHORITY HAVING JURISDICTION (NFPA72 10.14.2.1).	
5. THE SYSTEM WILL BE 100% PRE-TESTED, AN NFPA 72 COMPLETION FORM WILL BE FILLED OUT AND PROVIDED TO THE AHJ AND THE ELECTRICAL PERMITS MUST BE SIGNED OFF PRIOR TO THE FIRE FINAL INSPECTION.	

