

City of Puyallup

Fire

REVIEWED

FOR

COMPLIANCE

DDrake

07/11/2025

9:34:21 AM



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.

Read Permit Conditions prior to calling for inspection.

HEAT TAPE REQUIRED TO BE MONITORED BY THE FACP

City of Puyallup

Development & Permitting Services

ISSUED PERMIT

Building

Planning

Engineering

Public Works

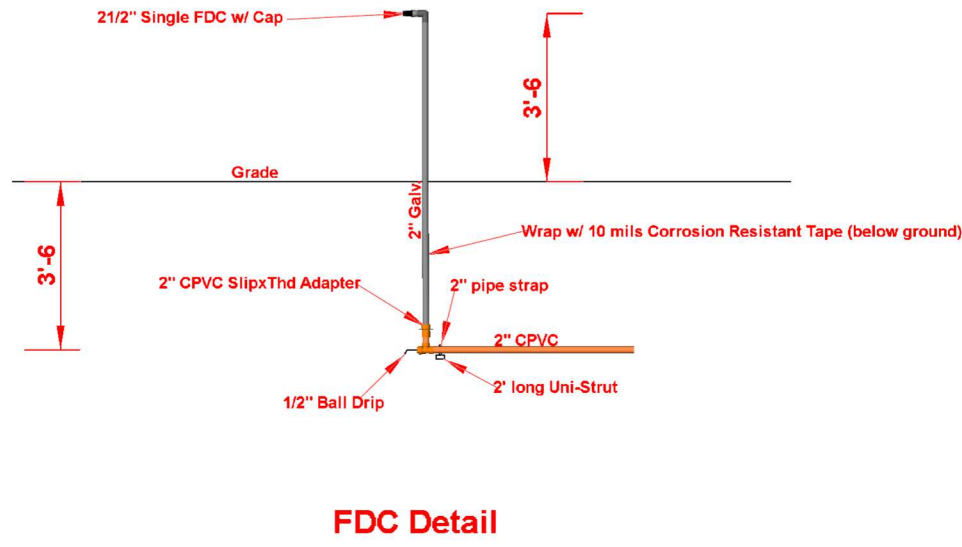
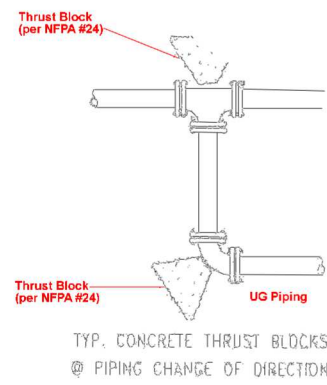
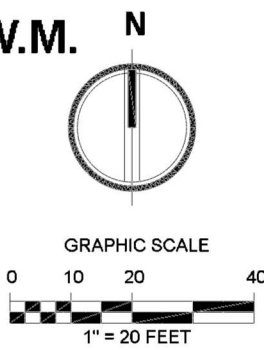
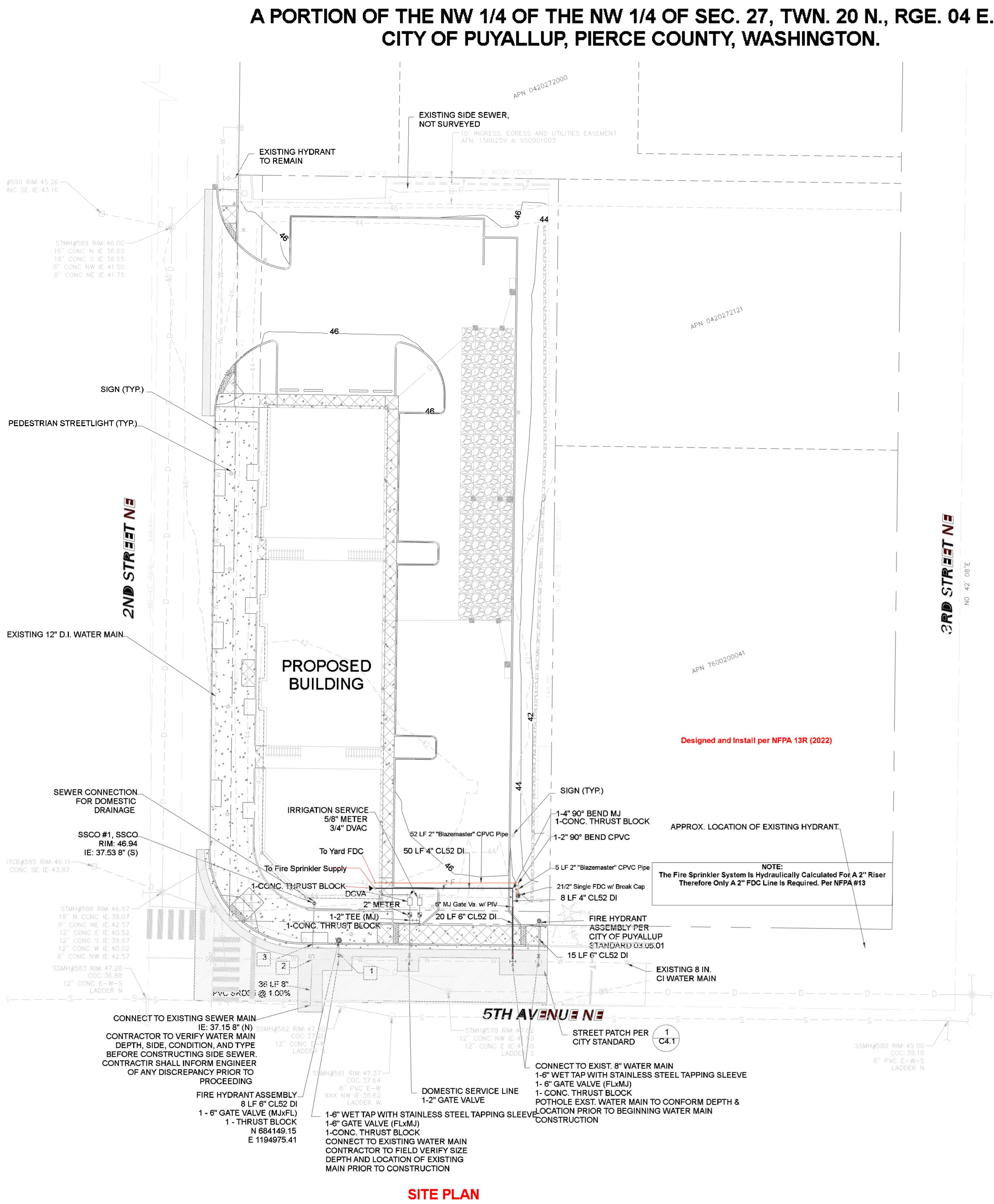
Fire

Traffic

PUYALLUP 2ND STREET APARTMENTS

A PORTION OF THE NW 1/4 OF THE NW 1/4 OF SEC. 27, TWN. 20 N., RGE. 04 E. W.M.

CITY OF PUYALLUP, PIERCE COUNTY, WASHINGTON.



Expires

Dec 31, 20

WASHINGTON STATE

CERTIFICATE OF COMPETENCY

FIRE SPRINKLER SYSTEMS

Richard Lionel Berger

3928-0591-CG Level 3

1st Choice Fire, LLC

13TCHCF7700F

Signature

1-8-25

Date

1st Choice Fire, LLC

19601 100th St. E

Bonney Lake, WA. 98391

253-876-5755

mike.1stchoicefire@outlook.com

REVISION 1:

7-8-25

FDC Detail

REVISION 2:

[revision2date]

REVISION 3:

[revision3date]

2nd St Aparments

201 5th Ave NE

Puyallup, WA. 98372

Site Plan

DESIGNED BY:

RB

DATE:

2-19-25

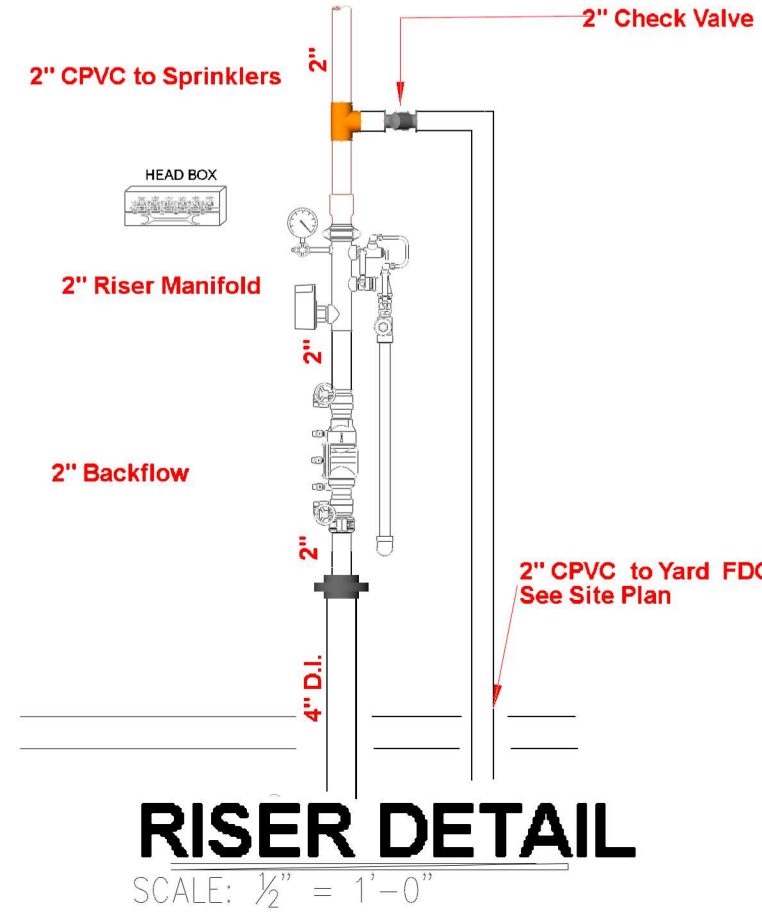
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1

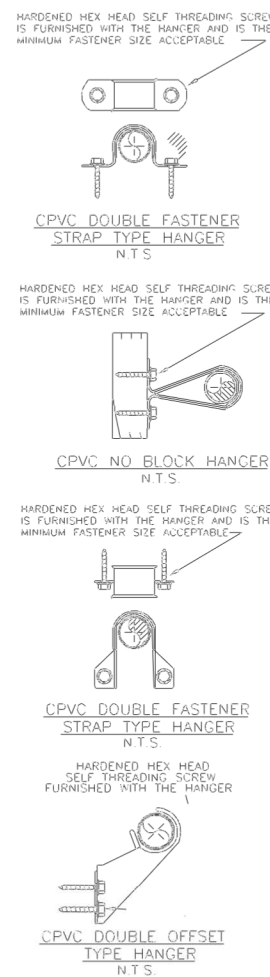
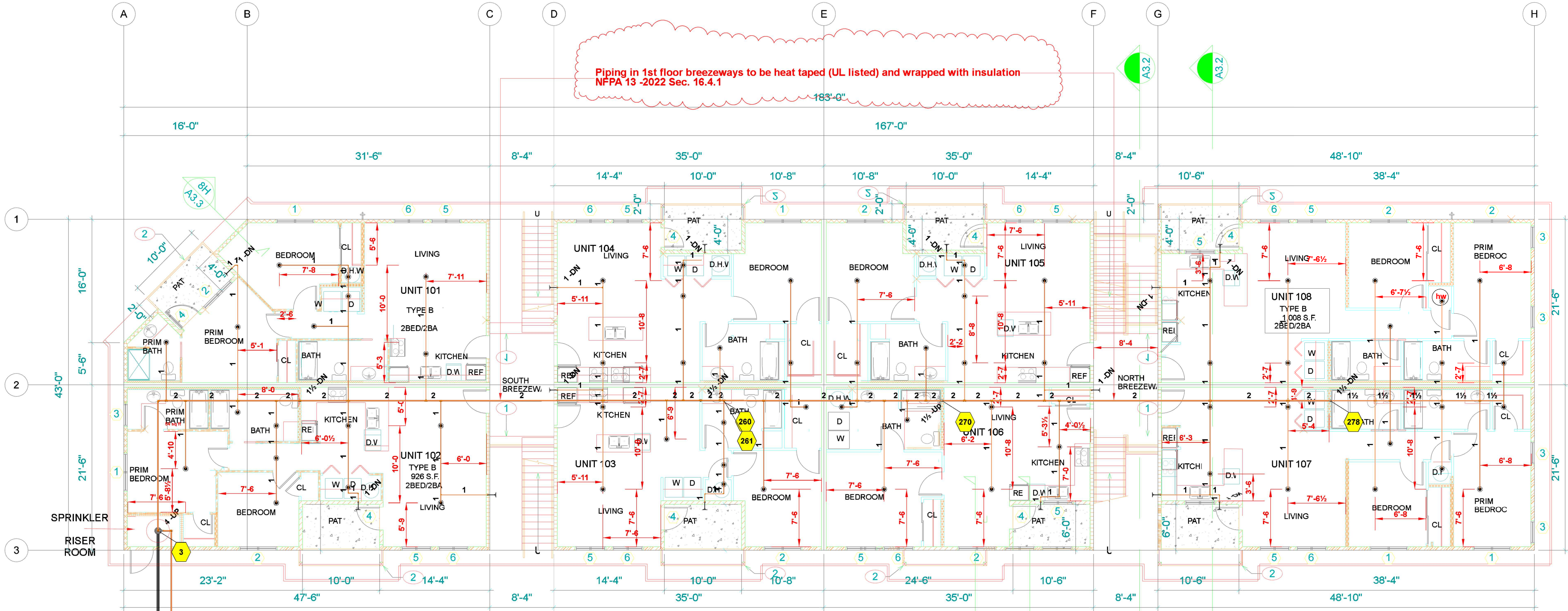
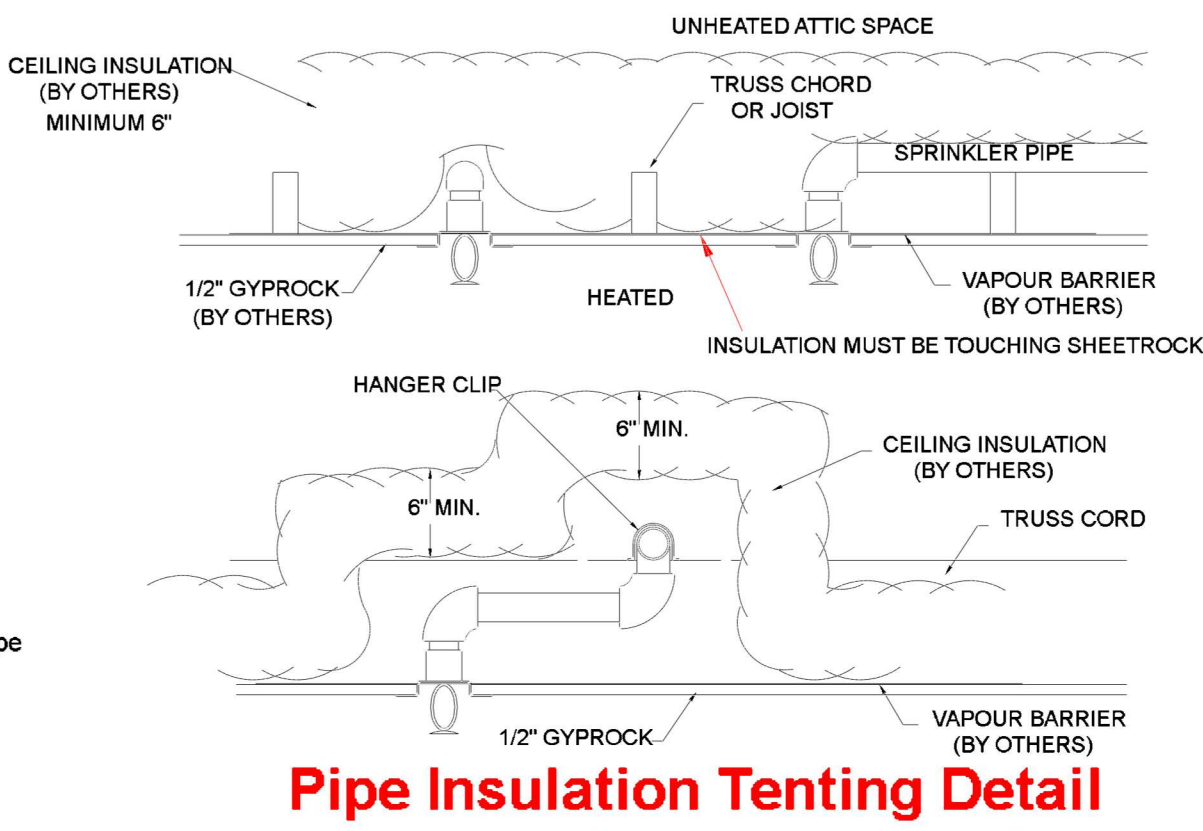
SHEET NUMBER:

FP1 of 3

Sprinkler Legend							
Symbol	Quantity	K-Factor	Type	Size	Response	Finish	Note
	40	5.6	Sidewall	1/2"	Quick	Chrome	Viking QR Dry Sidewall
	203	4.9	Pendent	1/2"	Quick	White	Viking Res. Recessed
Total = 243							

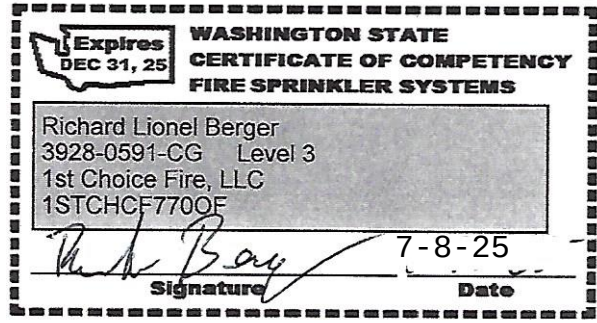
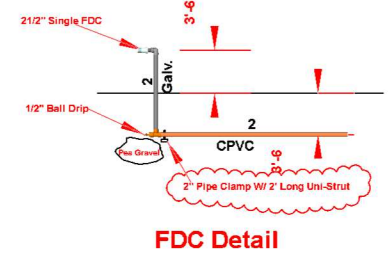
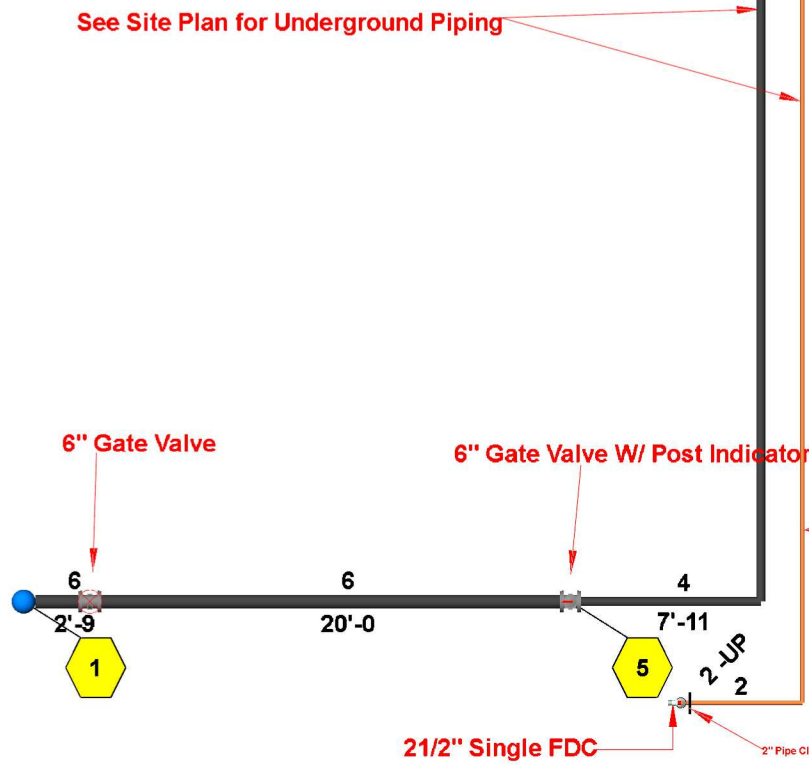


- Notes:
- 1) System Type: Wet
 - 2) All material shall be new and U.L. listed or F.M. approved
 - 3) Fire sprinkler system to be installed braced and tested in accordance with N.F.P.A. 13
 - 4) In localities subject to freezing conditions, it is the owners responsibility to provide heat throughout the wet pipe sprinkler system areas and in enclosures for valves controlling water supplies to sprinkler systems
 - 5) Pipe and fittings to be CPVC
 - 6) Hangers to be TOLCO #22 or #23 (or equal)
 - 7) Hangers spacing: Maximum distance between hangers for CPVC pipe
3/4" 1" 1 1/4" 1 1/2" 2"
5'6" 6'0" 6'6" 7'0" 8'0"
 - 8) Locate a hanger within 6" of each sprinkler head
 - 9) Sprinkler system designed per N.F.P.A. 13R



First Floor
1/8" = 1'-0"

Designed and Installed per NFPA #13R (2022)
16' x 16' Maximum Spacing



1st Choice Fire, LLC

19601 100th St. E

Bonney Lake, WA. 98391

253-876-5755

mike.1stchoicefire@outlook.com

REVISION 1:
7-8-25
Heat Tape Notes

REVISION 2:
[revision2date]

REVISION 3:
[revision3date]

2nd St Apartments

201 5th Ave NE

Puyallup, WA. 98372

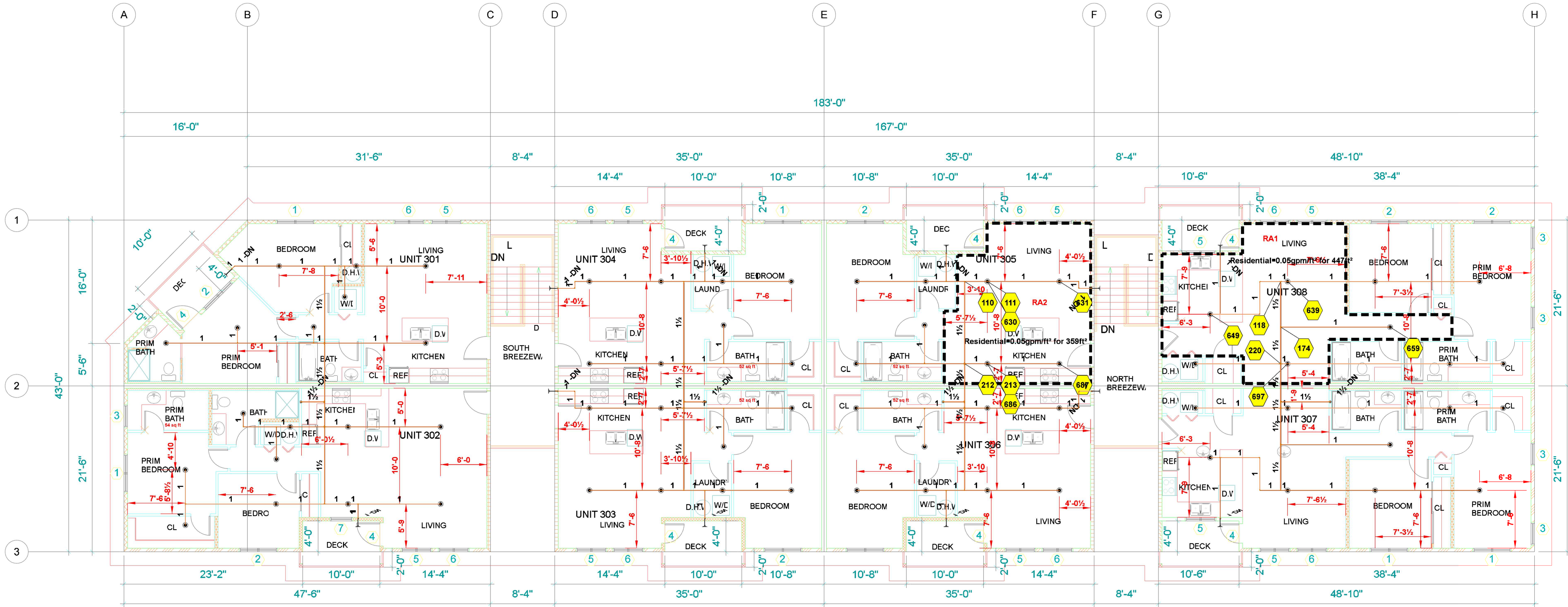
FIRE SPRINKLER PLAN & DETAILS

DESIGNED BY:
RB

DATE:
2-19-25

JOB NUMBER:
1

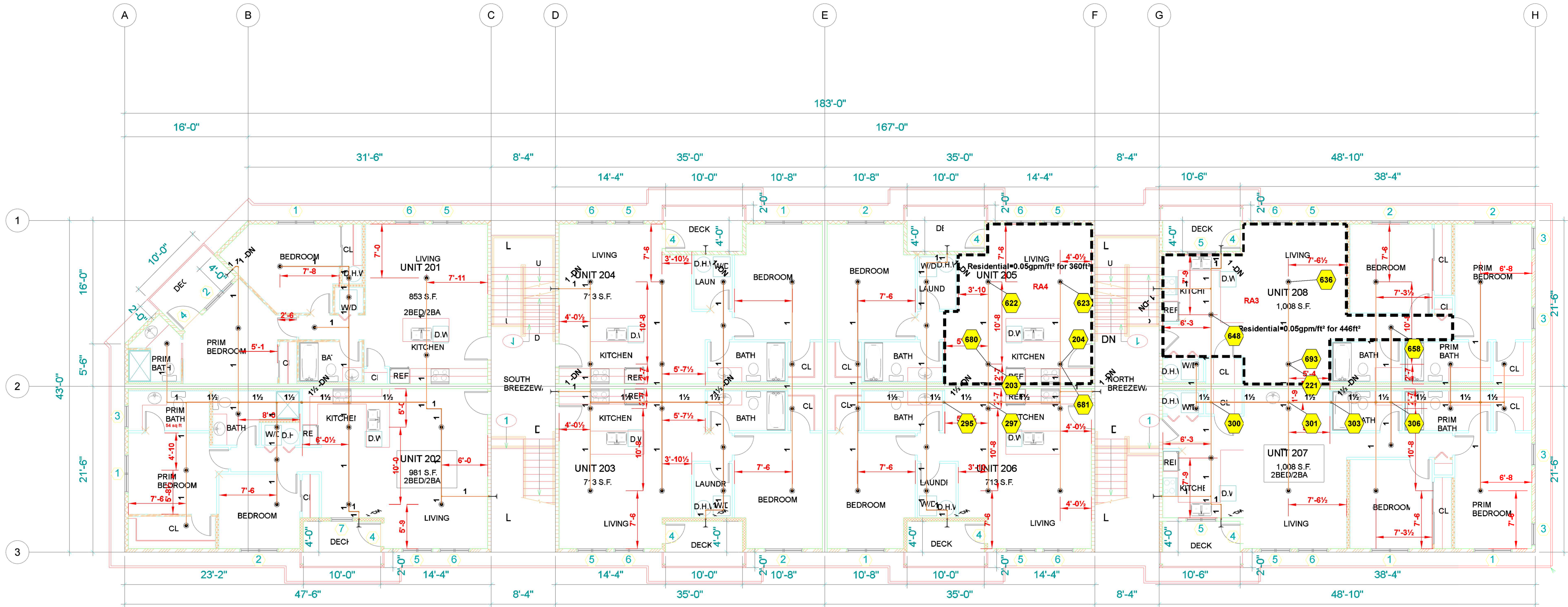
SHEET NUMBER:
FP2 of 3



Designed and Installed per NFPA #13R (2022)
16' x 16' Maximum Spacing

Third Floor
1/8" = 1'-0"

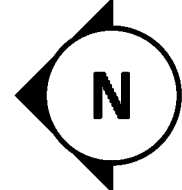
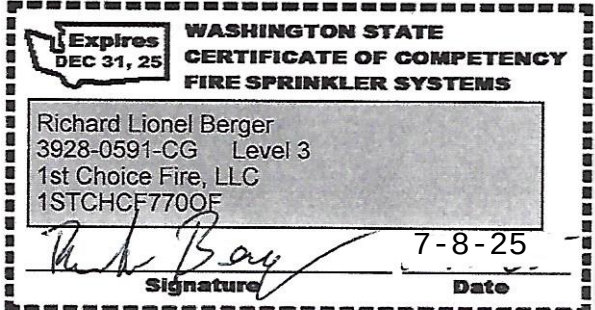
Hydraulic Information	
Remote Area #1	
OCCUPANCY CLASSIFICATION	Residential
DENSITY (gpm/ft²)	0.05 for 1024ft² (Actual 447ft²)
TOTAL HOSE STREAMS	0.00
DRY CAPACITY	0.00gal
TOTAL HEADS FLOWING	4
K-FACTOR	4.9
TOTAL WATER REQUIRED	54.24
TOTAL PRESSURE REQUIRED	41.758
BASE of RISER (gpm)	54.24
BASE of RISER (psi)	41.758
SAFETY MARGIN (psi)	+9.236 (18.1%)
Hydraulic Information	
Remote Area #2	
OCCUPANCY CLASSIFICATION	Residential
DENSITY (gpm/ft²)	0.05 for 1024ft² (Actual 359ft²)
TOTAL HOSE STREAMS	0.00
DRY CAPACITY	0.00gal
TOTAL HEADS FLOWING	4
K-FACTOR	4.9
TOTAL WATER REQUIRED	62.85
TOTAL PRESSURE REQUIRED	39.622
BASE of RISER (gpm)	62.85
BASE of RISER (psi)	39.622
SAFETY MARGIN (psi)	+11.373 (22.3%)



Designed and Installed per NFPA #13R (2022)
16' x 16' Maximum Spacing

Second Floor
1/8" = 1'-0"

Hydraulic Information	
Remote Area #3	
OCCUPANCY CLASSIFICATION	Residential
DENSITY (gpm/ft²)	0.05 for 1024ft² (Actual 446ft²)
TOTAL HOSE STREAMS	0.00
DRY CAPACITY	0.00gal
TOTAL HEADS FLOWING	4
K-FACTOR	4.9
TOTAL WATER REQUIRED	54.38
TOTAL PRESSURE REQUIRED	35.367
BASE of RISER (gpm)	54.38
BASE of RISER (psi)	35.367
SAFETY MARGIN (psi)	+15.628 (30.6%)
Hydraulic Information	
Remote Area #4	
OCCUPANCY CLASSIFICATION	Residential
DENSITY (gpm/ft²)	0.05 for 1024ft² (Actual 360ft²)
TOTAL HOSE STREAMS	0.00
DRY CAPACITY	0.00gal
TOTAL HEADS FLOWING	4
K-FACTOR	4.9
TOTAL WATER REQUIRED	54.64
TOTAL PRESSURE REQUIRED	39.341
BASE of RISER (gpm)	54.64
BASE of RISER (psi)	39.341
SAFETY MARGIN (psi)	+11.653 (22.9%)



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2nd St Apartments
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FIRE SPRINKLER PLAN & DETAILS

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FP3 of 3