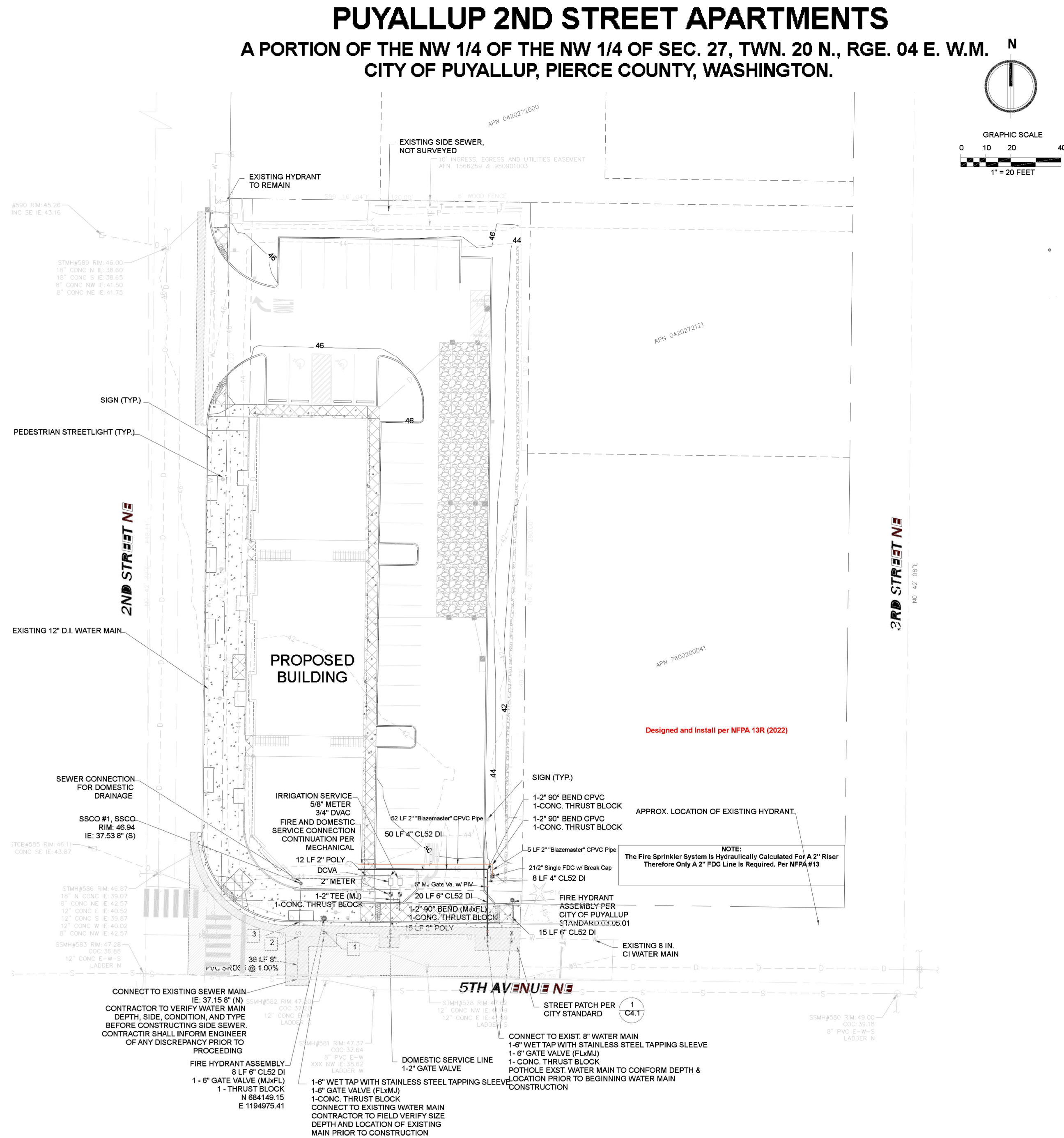


SITE PLAN



1st Choice Fire, LLC
19601 100th St. E
Bonney Lake, WA, 98391
253-876-5755
mike.1stchoicefire@outlook.com

REVISION 1:
[revision1date]

REVISION 2:
[revision2date]

REVISION 3:
[revision3date]

2nd St Aparments
201 5th Ave NE
Puyallup, WA, 98372

Site Plan

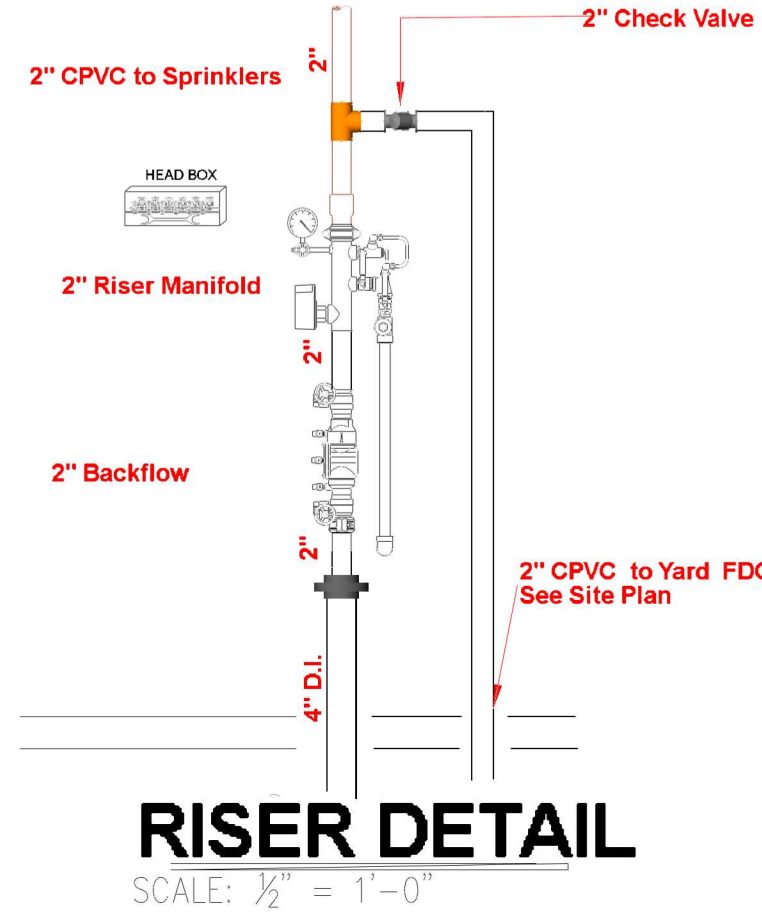
DESIGNED BY:
RB

DATE:
2-19-25

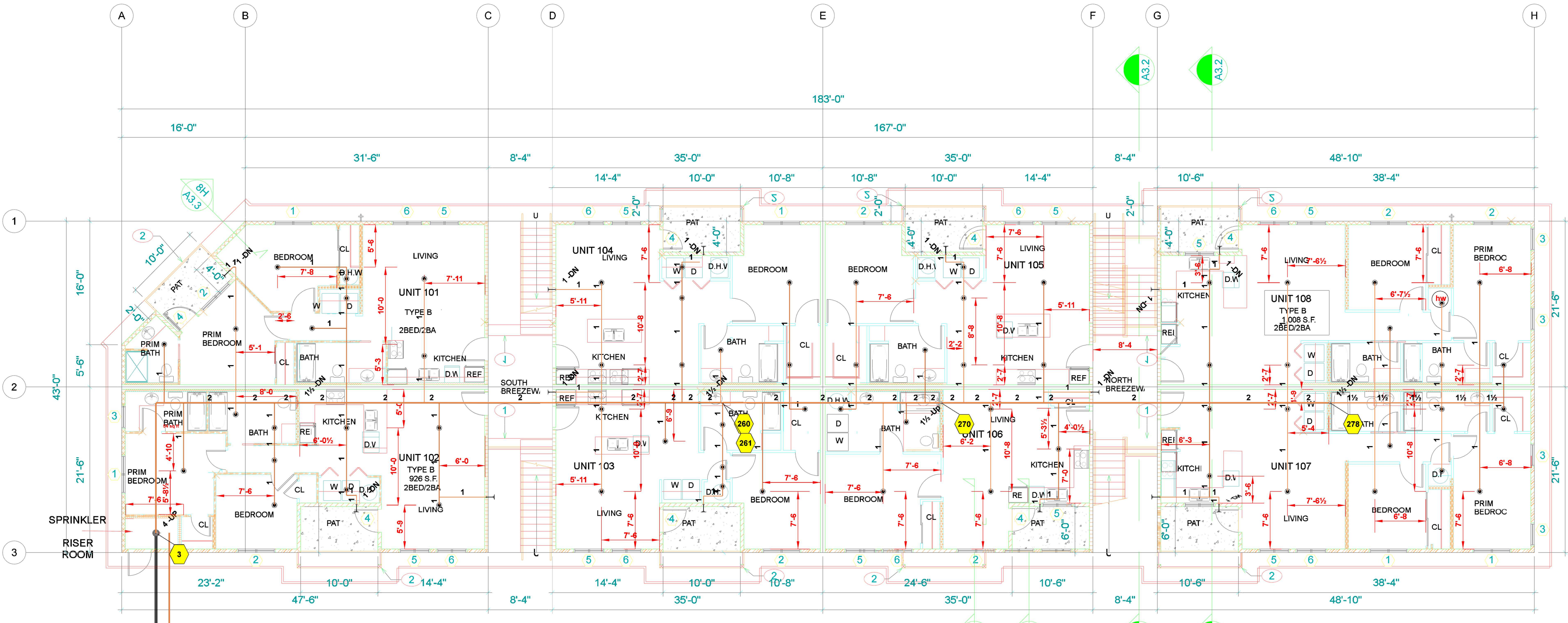
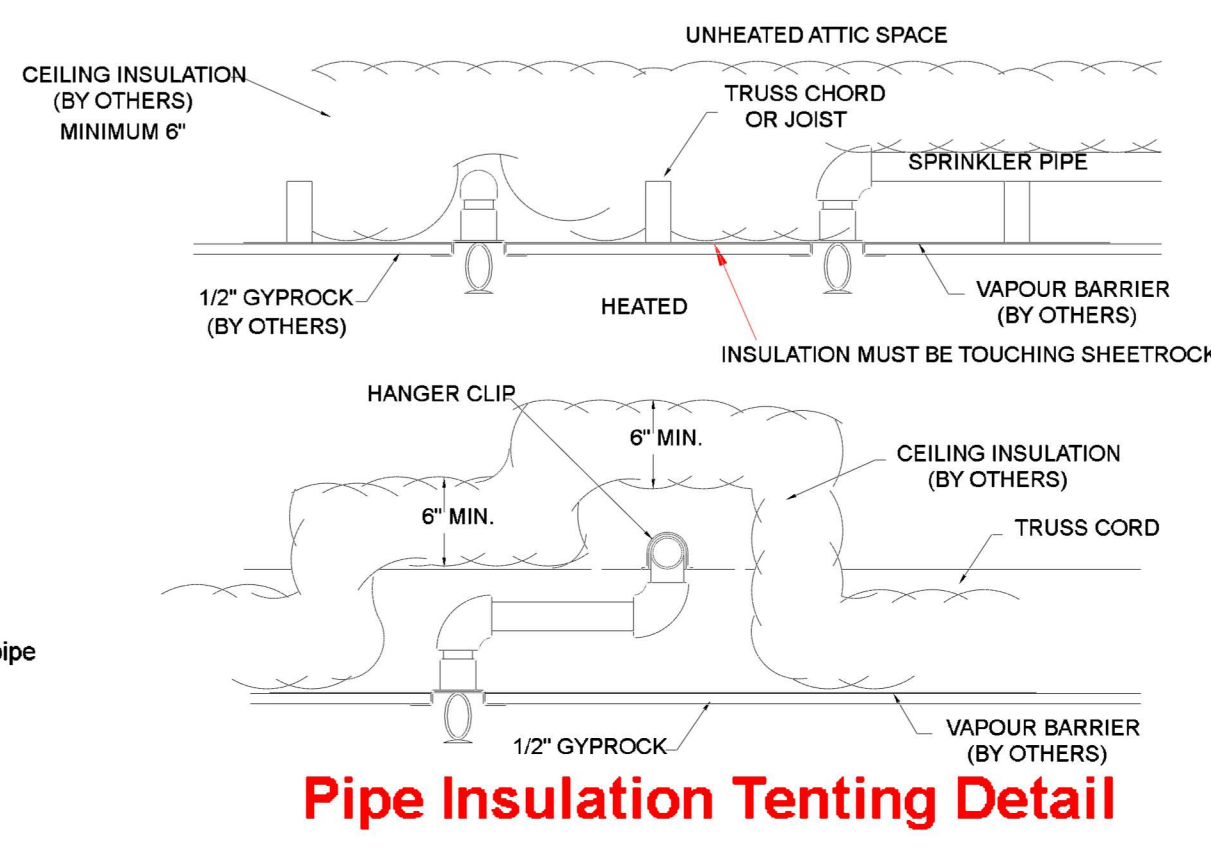
JOB NUMBER:
1

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							



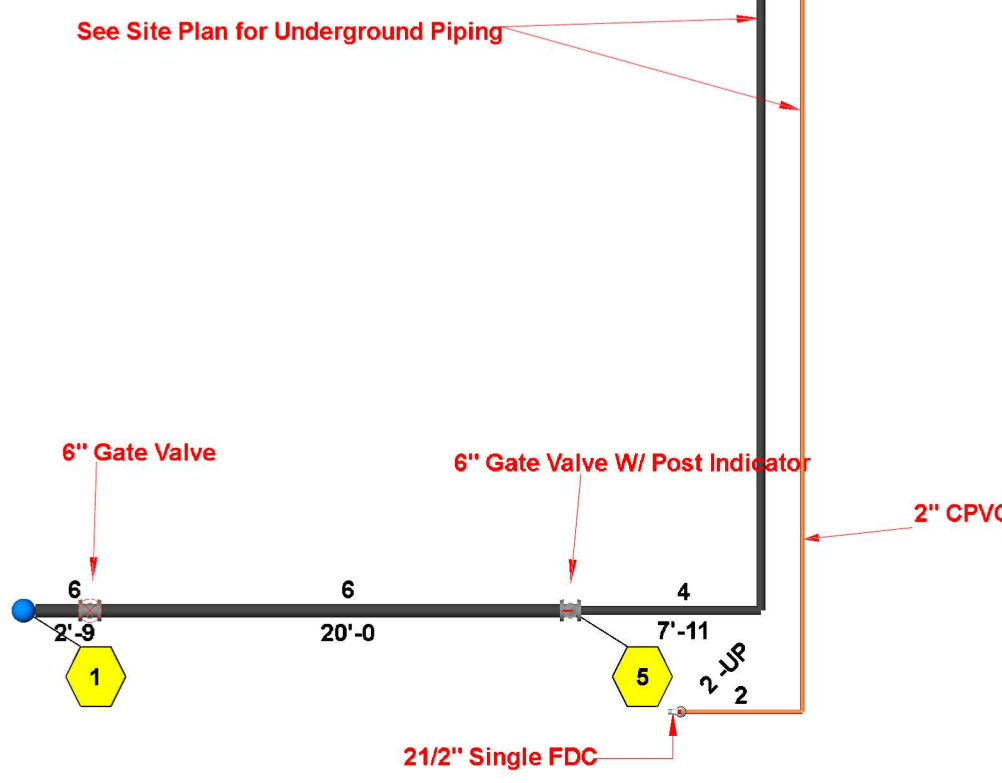
- Notes:
- 1) System Type: Wet
 - 2) All material shall be new and U.L. listed or F.M. approved
 - 3) Fire sprinkler system to be installed braced and tested in accordance with N.F.P.A. 13
 - 4) In localities subject to freezing conditions, it is the owners responsibility to provide heat throughout the 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



- HARDWARE HEX HEAD SELF TAPPING SCREW IS FURNISHED WITH THE HANGER AND IS THE MINIMUM FASTENER SIZE ACCEPTABLE
- CPVC DOUBLE FASTENER STOP TYPE HANGER N.T.S.
- HARDWARE HEX HEAD SELF TAPPING SCREW IS FURNISHED WITH THE HANGER AND IS THE MINIMUM FASTENER SIZE ACCEPTABLE
- CPVC NO BLOCK HANGER N.T.S.
- CPVC DOUBLE FASTENER STOP TYPE HANGER N.T.S.
- HARDWARE HEX HEAD SELF TAPPING SCREW IS FURNISHED WITH THE HANGER AND IS THE MINIMUM FASTENER SIZE ACCEPTABLE
- CPVC DOUBLE FASTENER STOP TYPE HANGER N.T.S.
- CPVC DOUBLE FASTENER STOP TYPE HANGER N.T.S.

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

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



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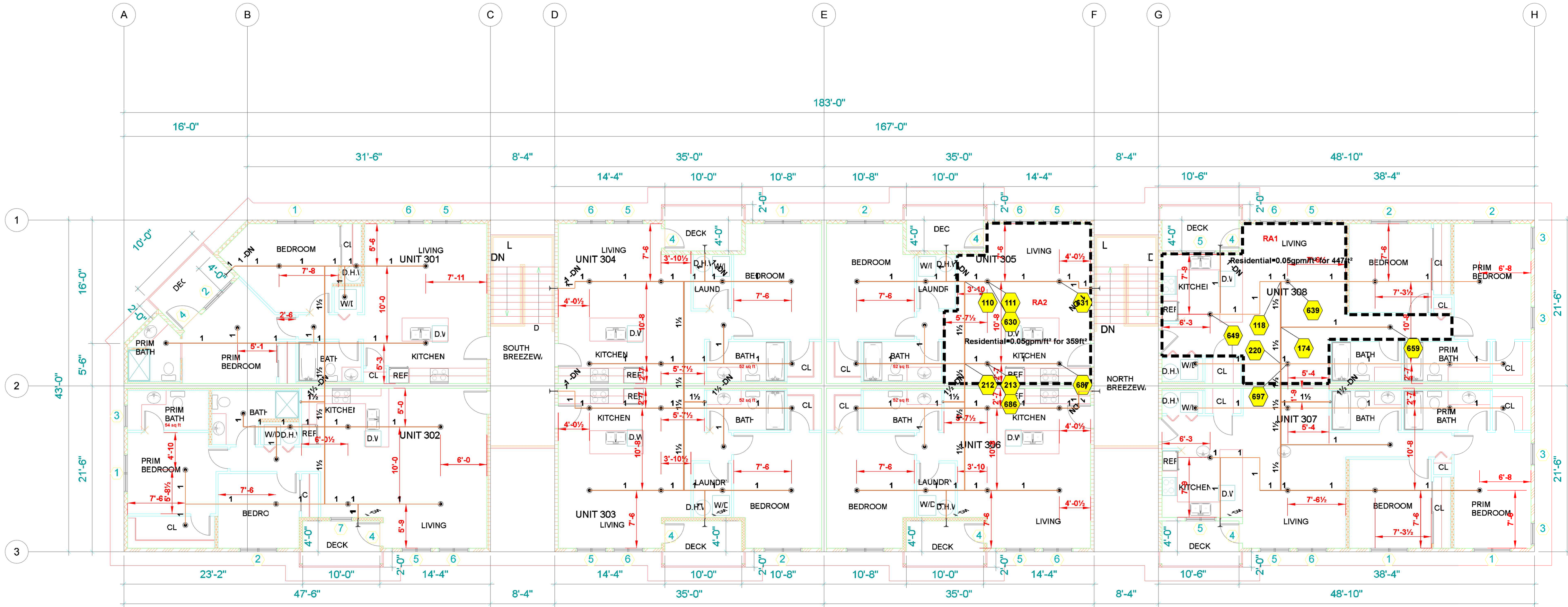
FIRE SPRINKLER PLAN & DETAILS

DESIGNED BY:
RB

DATE:
2-19-25

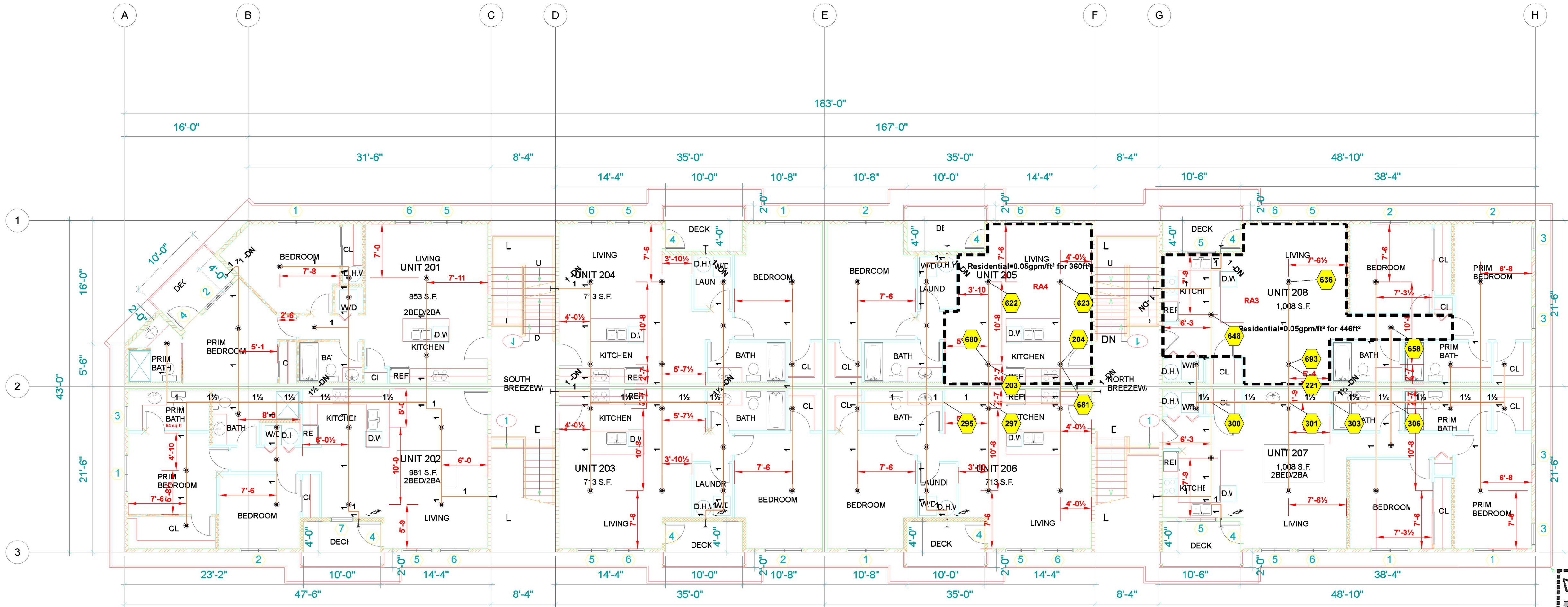
JOB NUMBER:
1

SHEET NUMBER:
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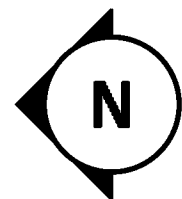
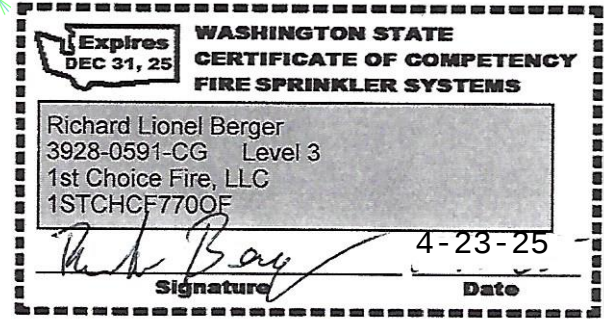
Designed and Installed per NFPA #13R (2022)
16' x 16' Maximum Spacing
Third Floor
1/8" = 1'-0

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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FIRE SPRINKLER PLAN & DETAILS

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FP3 of 3