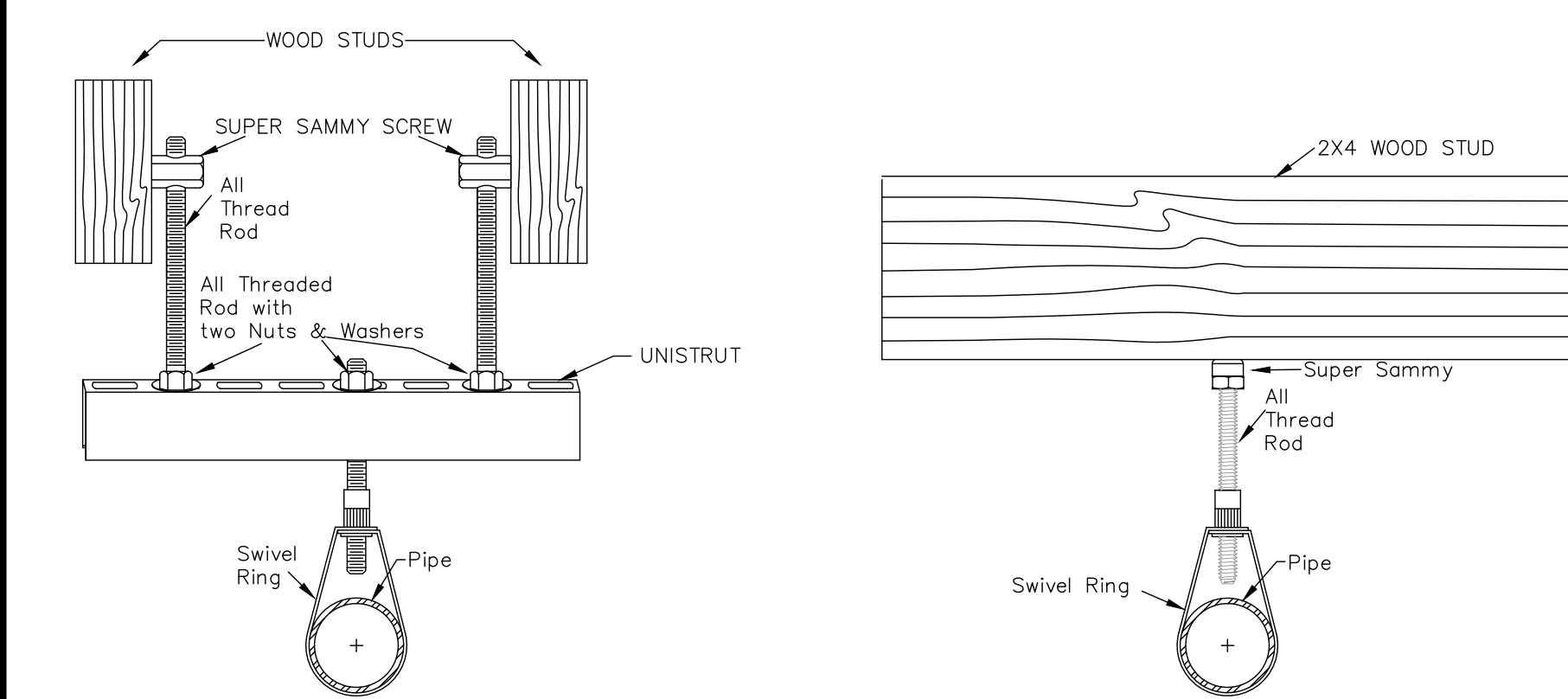


HANGER INSTALLATION REQUIREMENTS												
MAXIMUM DISTANCE BETWEEN HANGERS												
NOMINAL PIPE SIZE	1/2"	1"	1 1/2"	1 3/4"	2"	2 1/2"	3"	4"	5"	6"	8"	
SLACKERIM® CPMK	2'	4'	6'	7'	8'	9'	10'	N/A	N/A	N/A	N/A	
THREADED LIGHTWALL	1 1/4"	12"	12"	12"	12"	12"	12"	12"	N/A	N/A	N/A	
STEEL PIPE (10, 140)	1 1/4"	12"	12"	12"	15"	15"	15"	15"	15"	15"	15"	

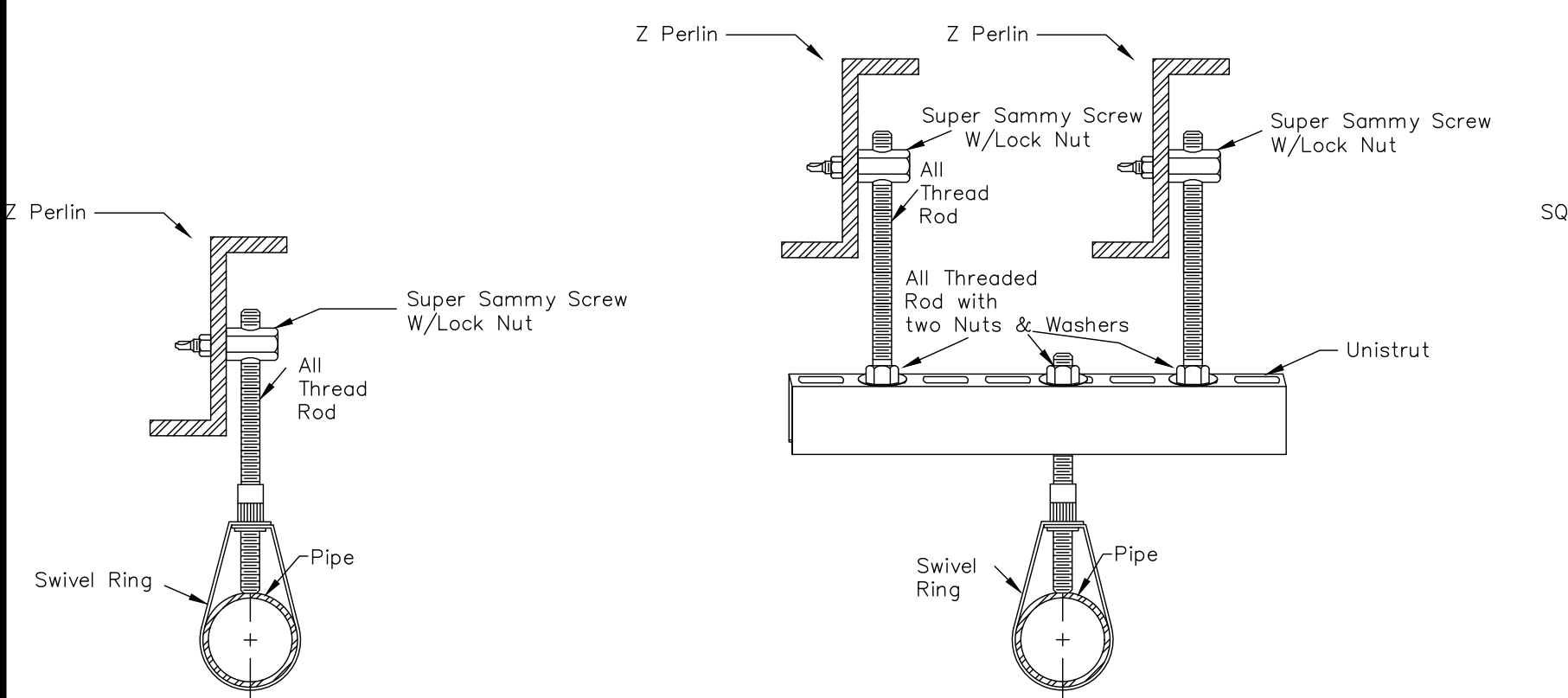
NOTE: SPRING STATE POSITION ON SYSTEM REQUIRES UP-LIFT RESTRAINT WITHIN 12 INCHES HORIZONTALLY OF HEAD FOR ARM-OVERS AND END OF BRANCH LINE.

THE UNREPORTED LENGTH BETWEEN THE END SPRINKLER AND THE LAST HANGER ON THE LINE SHALL NOT EXCEED 36" FOR 1" PIPE, 48" FOR 1 1/2" PIPE AND 60" FOR 2" PIPE OR LARGER.

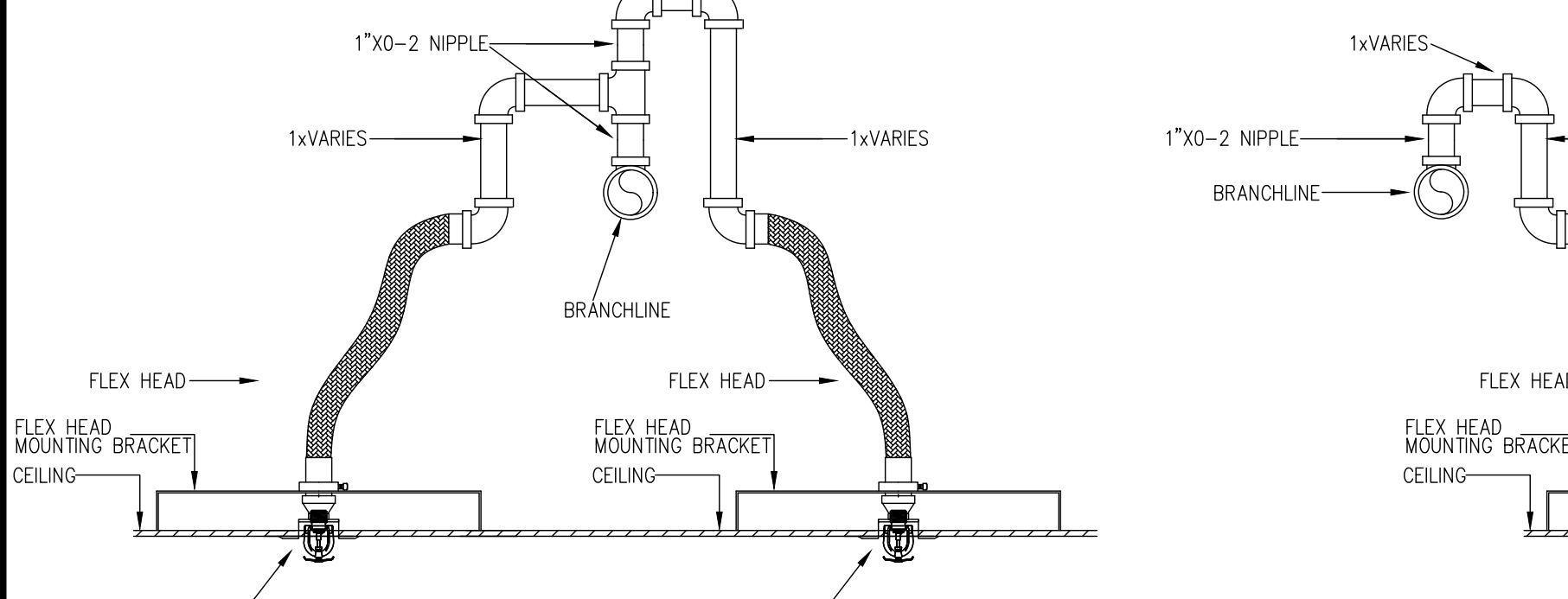
THE COMBILING HORIZONTAL LENGTH OF AN UNREPORTED ANSWER TO A SPRINKLER, SPRINKLER DROP, OR SPRING-UP SHALL NOT EXCEED 24"



UNISTRUT HANGER DETAIL VERTICAL SAMMY HANGER DETAIL
 N.T.S. N.T.S.



<u>Z PERLIN HANGER DETAIL</u>	<u>UNISTRUT HANGER DETAIL</u>	<u>S</u>
N.T.S.	N.T.S.	N



SPLIT OUTLET FLEX HEAD DETAIL FLEX HEAD DETAIL
 N.T.S. N.T.S.

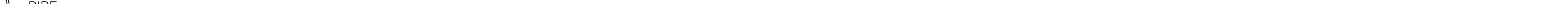
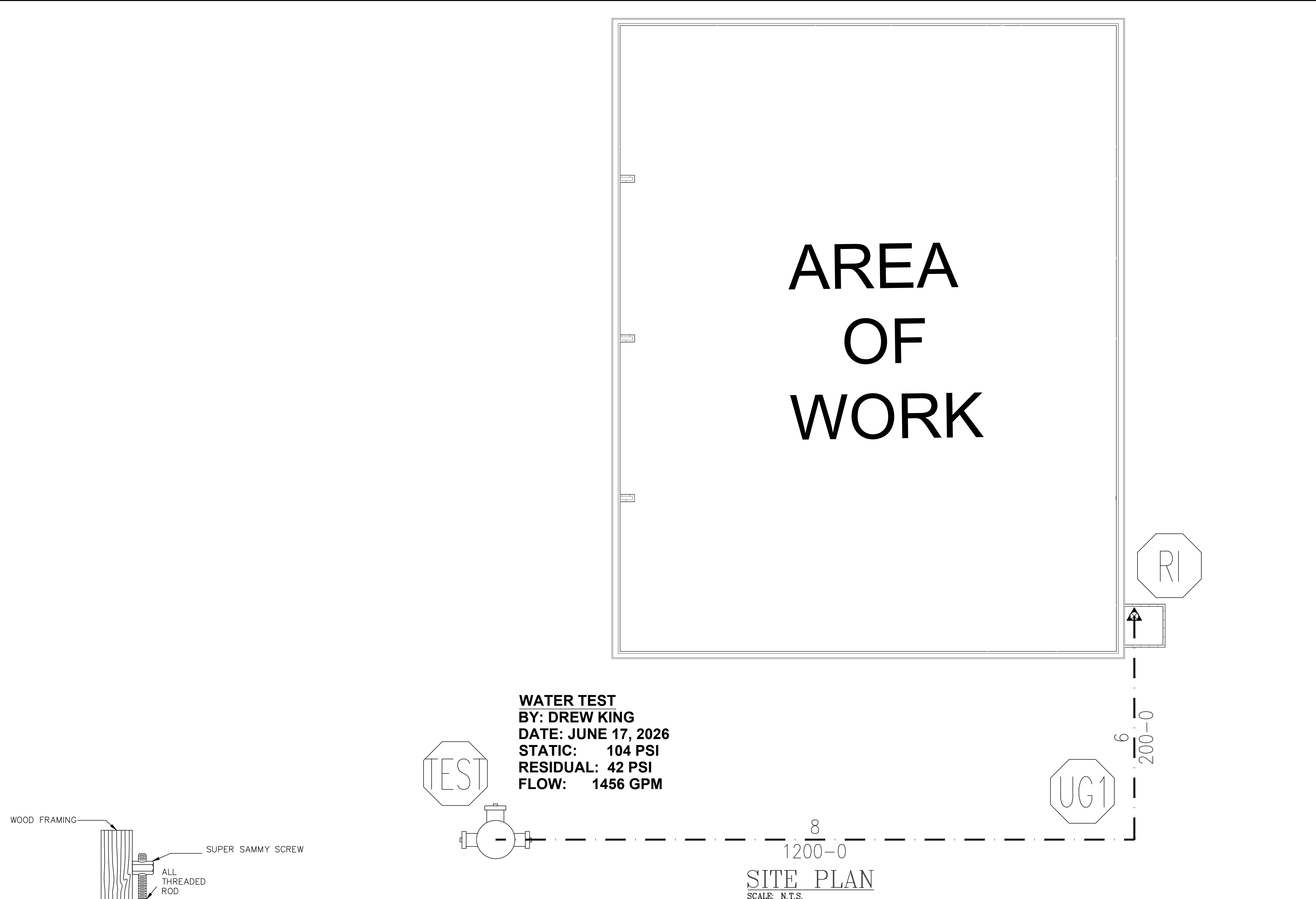
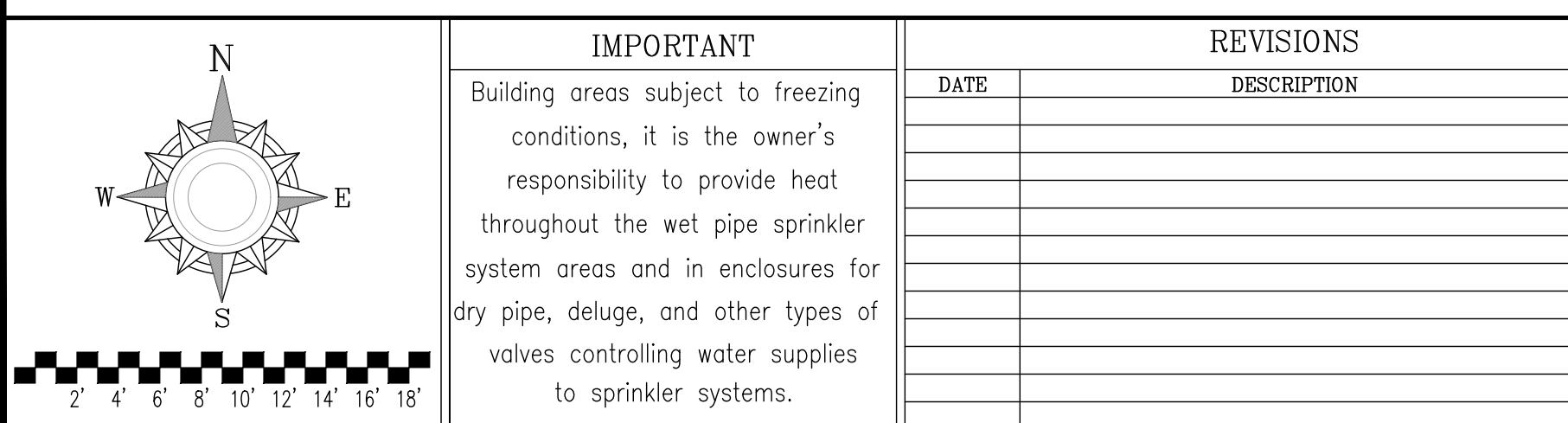
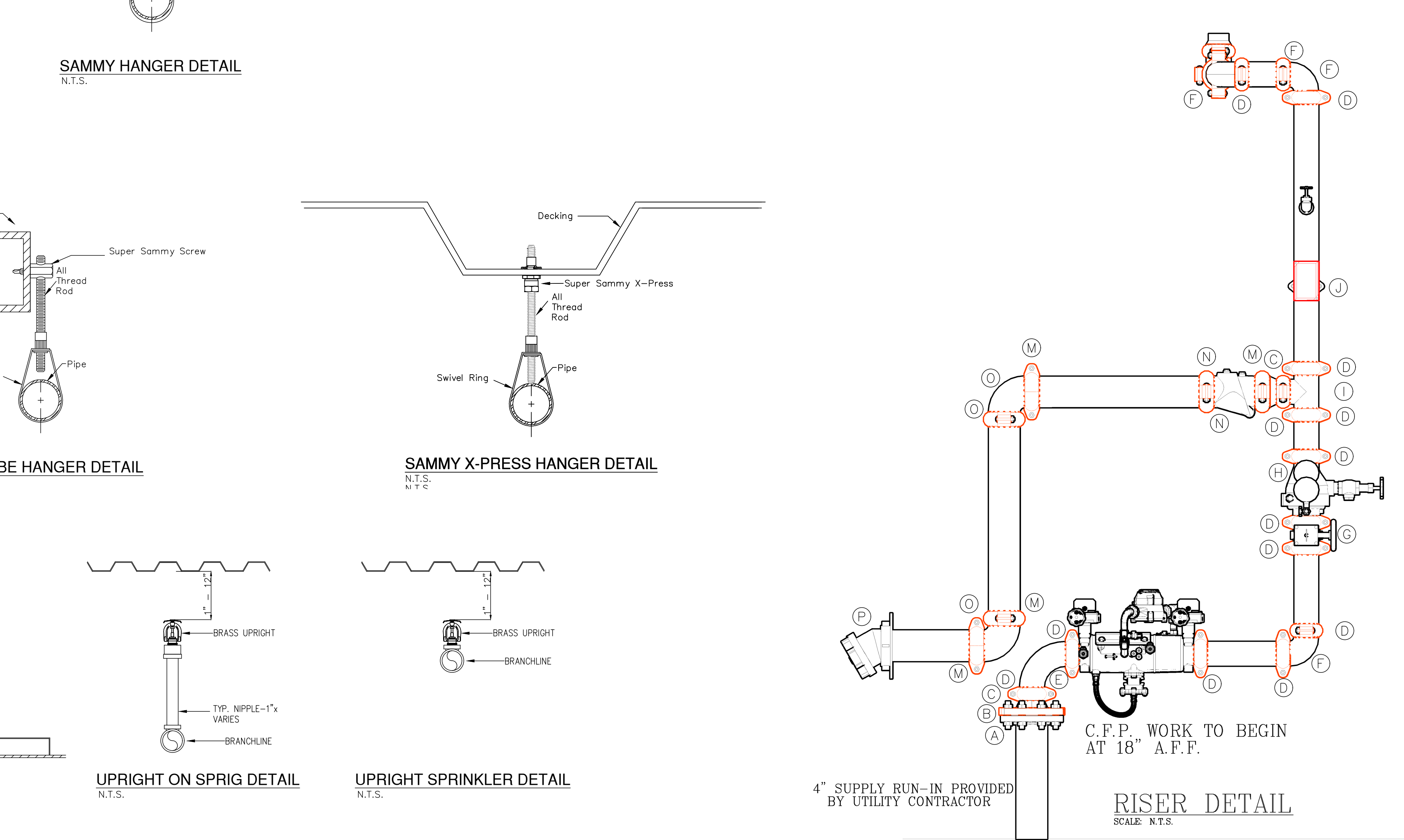


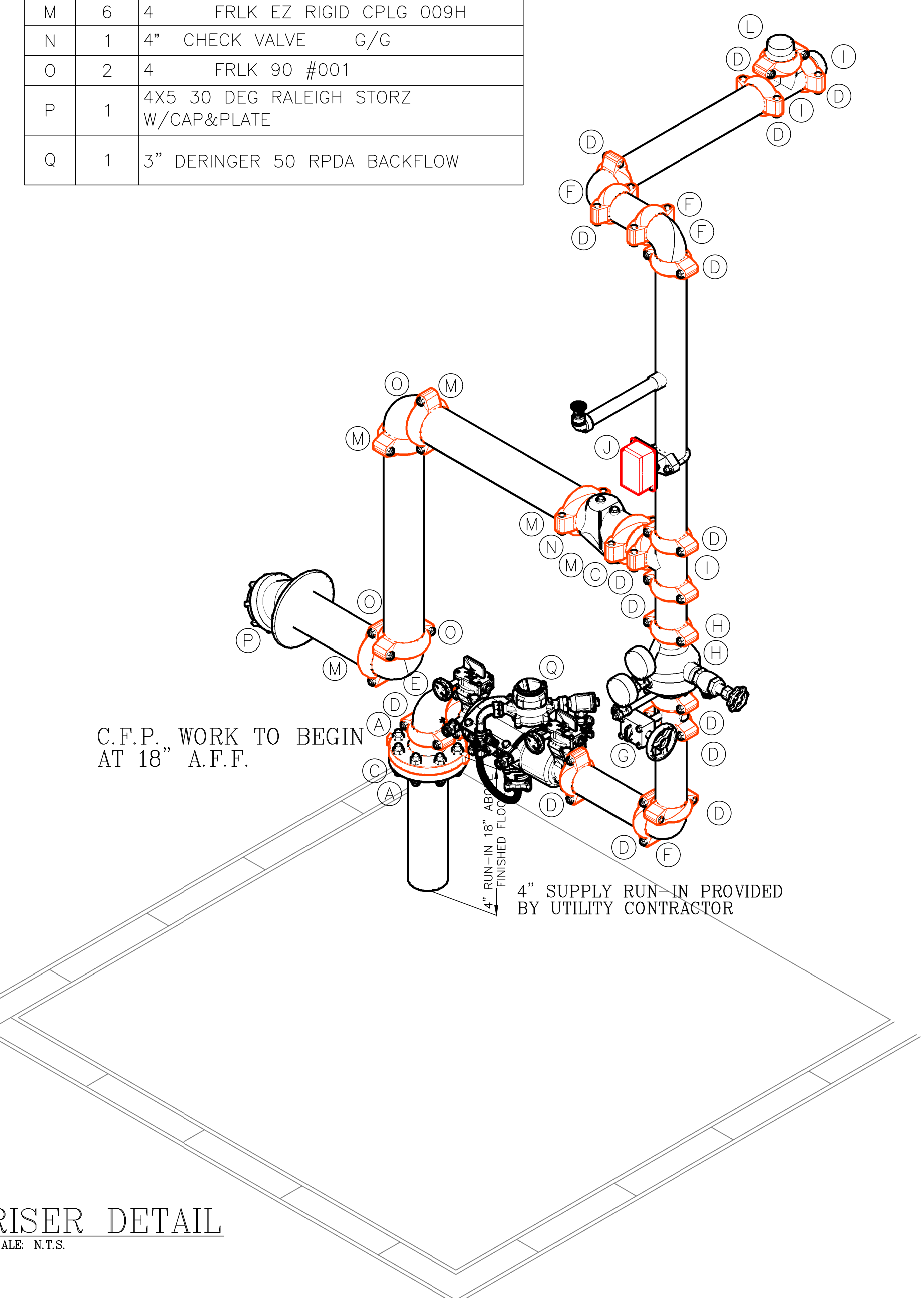
Diagram illustrating a pipe with a vertical section highlighted, labeled "PIPE".



<u>— — —</u>	DENOTES EXISTING FIRE PROTECTION PIPING
<u>— — —</u>	DENOTES NEW FIRE PROTECTION PIPING
<u>- - -</u>	DENOTES UNDERGROUND PIPING
⊙	DENOTES HYDRAULIC REFERENCE NODE
⬆	DENOTES RISE IN PIPE
⬇	DENOTES NET RISER
⬇	DENOTES PENDENT
⬆	DENOTES UPRIGHT

GENERAL NOTES	
1.	ALL WORK SHALL BE IN FULL COMPLIANCE WITH NFPA 13, 2013 Ed., LOCAL AHJ, AND THE NORTH CAROLINA STATE BUILDING CODE.
2.	ALL LABOR AND MATERIALS REQUIRED SHALL BE FOR ONE COMPLETE WORKING SYSTEM WHICH MEETS ALL REQUIREMENTS OF NFPA 13 2013 Ed., LOCAL AHJ, AND THE NORTH CAROLINA STATE BUILDING CODE.
3.	ALL MATERIALS AND EQUIPMENT SHALL BE NEW, UL LISTED AND APPROVED FOR THE INTENDED USE AND SHALL BE INSTALLED IN FULL COMPLIANCE WITH MANUFACTURER'S RECOMMENDATIONS.
4.	SPRINKLER HEADS ARE SPACED PER LIGHT HAZARD SPRINKLER SPACING NOT TO EXCEED 225 SQ. FT.
5.	ALL SCH. 40 PIPE FOR SIZES 1"–2" SHALL BE BLACK WITH THREADED ENDS AND JOINED BY BLK. DUCTILE IRON THREADED FITTINGS.
6.	ALL SCH. 10 PIPE FOR SIZES 1½"–6" SHALL BE BLACK WITH GROoved ENDS AND JOINED BY FACTORY PAINTED GROoved COUPLINGS AND FITTINGS.
7.	PIPE HANGERS TO BE INSTALLED PER NFPA 13.
8.	PIPE SIZED BY HYDRAULIC CALCULATIONS TO MEET SYSTEM DEMAND PER NFPA 13 2013 Ed.
9.	REMOTE AREA REDUCED PER 11.2.3.2.3.1
10.	SMALL ROOM RULE USED PER NFPA 13 2013Ed. 8.6.3.2.4.1

Legend		
ID	Qty	Description
A	1	4" GASKET FULL RED RUB .125
B	1	4 VIC FLANGE ADAPTER #741
C	2	X 3 VIC CON-RED #50
D	18	3 FRLK EZ RIGID CPLG 009H
E	1	3 VIC LONG RADIUS 90 #100
F	3	3 FRLK 90 #001
G	1	3 VIC B FLY W/TAMPER #705
H	1	3" VIC RISER CHECK G/G 717HR
I	2	3 FRLK TEE #002
J	1	3" WATER FLOW SWITCH
K	1	3 X 2 1/2 VIC CON-RED #50
L	1	3 X 2 VIC CON-RED #50
M	6	4 FRLK EZ RIGID CPLG 009H
N	1	4" CHECK VALVE G/G
O	2	4 FRLK 90 #001
P	1	4X5 30 DEG RALEIGH STORZ W/CAP&PLATE
Q	1	3" DERINGER 50 RPDA BACKFLOW

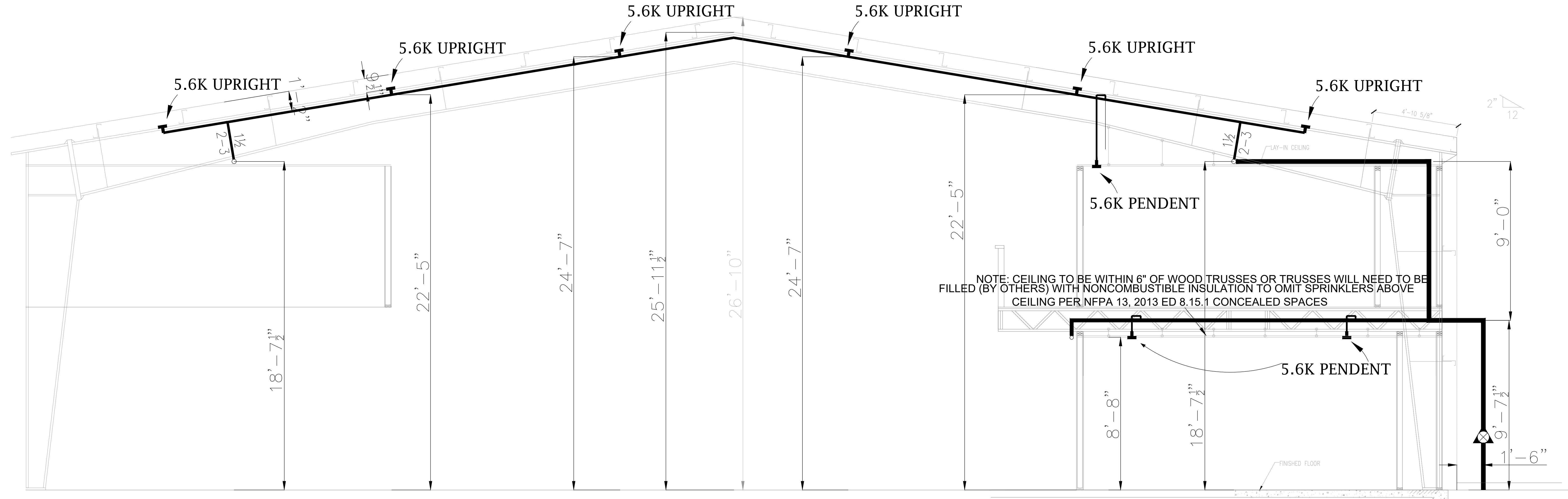


LEGEND

- DENOTES EXISTING FIRE PROTECTION PIPING
- DENOTES NEW FIRE PROTECTION PIPING
- DENOTES UNDERGROUND PIPING
- DENOTES HYDRAULIC REFERENCE NODE
- DENOTES RISE IN PIPE
- DENOTES WET RISER
- DENOTES PENDENT
- DENOTES UPRIGHT

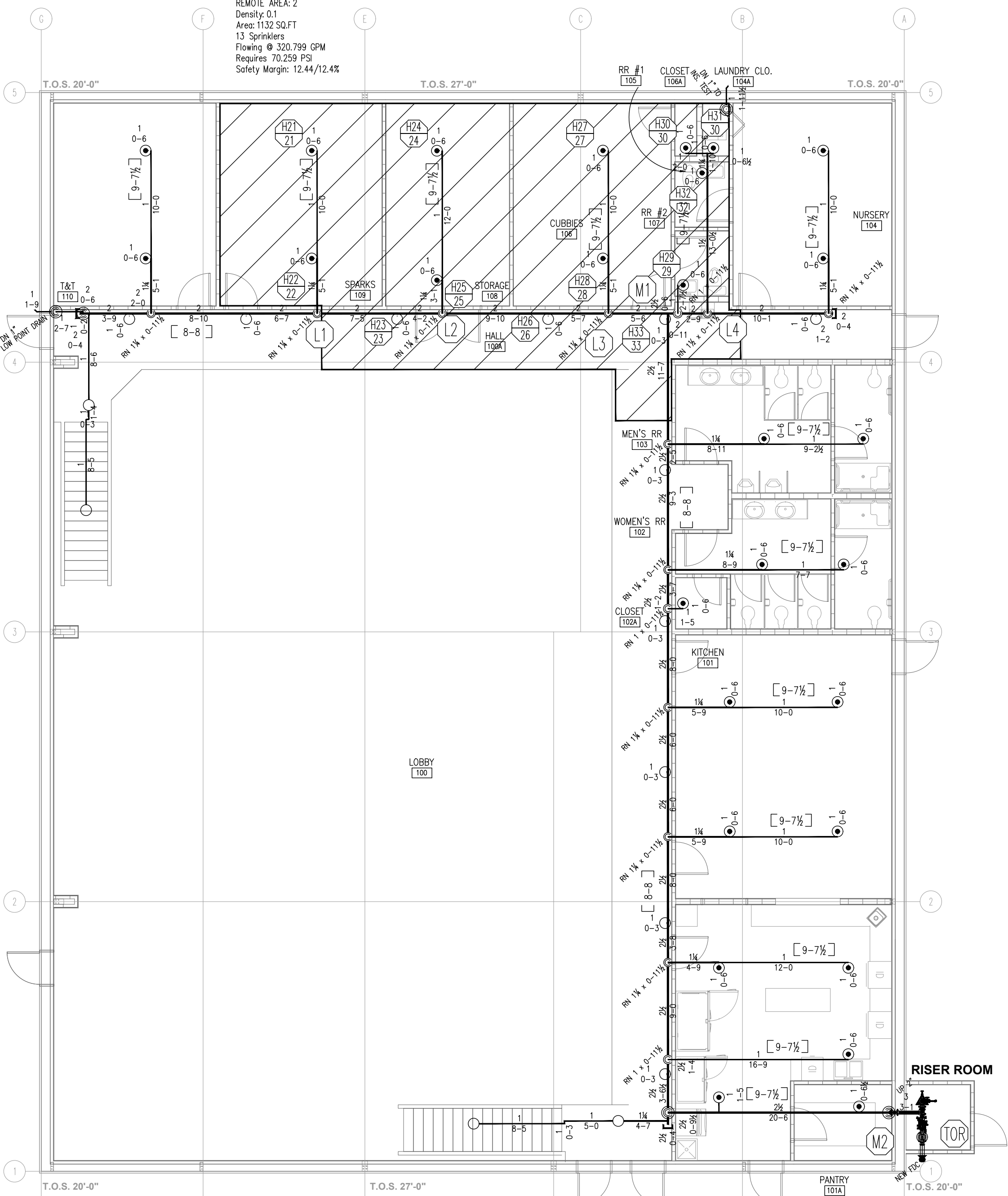
GENERAL NOTES

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- ALL LABOR AND MATERIALS REQUIRED SHALL BE FOR ONE COMPLETE WORKING SYSTEM WHICH MEETS ALL REQUIREMENTS OF NFPA 13 2013 Ed., LOCAL AHJ, AND THE NORTH CAROLINA STATE BUILDING CODE.
- ALL MATERIALS AND EQUIPMENT SHALL BE NEW, UL LISTED AND APPROVED FOR THE INTENDED USE AND SHALL BE INSTALLED IN FULL COMPLIANCE WITH MANUFACTURER'S RECOMMENDATIONS.
- SPRINKLER HEADS ARE SPACED PER LIGHT HAZARD SPRINKLER SPACING NOT TO EXCEED 225 SQ. FT.
- ALL SCH. 40 PIPE FOR SIZES 1"-2" SHALL BE BLACK WITH THREADED ENDS AND JOINED BY BLK. DUCTILE IRON THREADED FITTINGS.
- ALL SCH. 10 PIPE FOR SIZES 1 1/2"-6" SHALL BE BLACK WITH GROOVED ENDS AND JOINED BY FACTORY PAINTED GROOVED COUPLINGS AND FITTINGS.
- PIPE HANGERS TO BE INSTALLED PER NFPA 13.
- PIPE SIZED BY HYDRAULIC CALCULATIONS TO MEET SYSTEM DEMAND PER NFPA 13 2013 Ed.
- REMOTE AREA REDUCED PER 11.2.3.2.3.1
- SMALL ROOM RULE USED PER NFPA 13 2013ED. 8.6.3.2.4.1



ELEVATION DETAIL

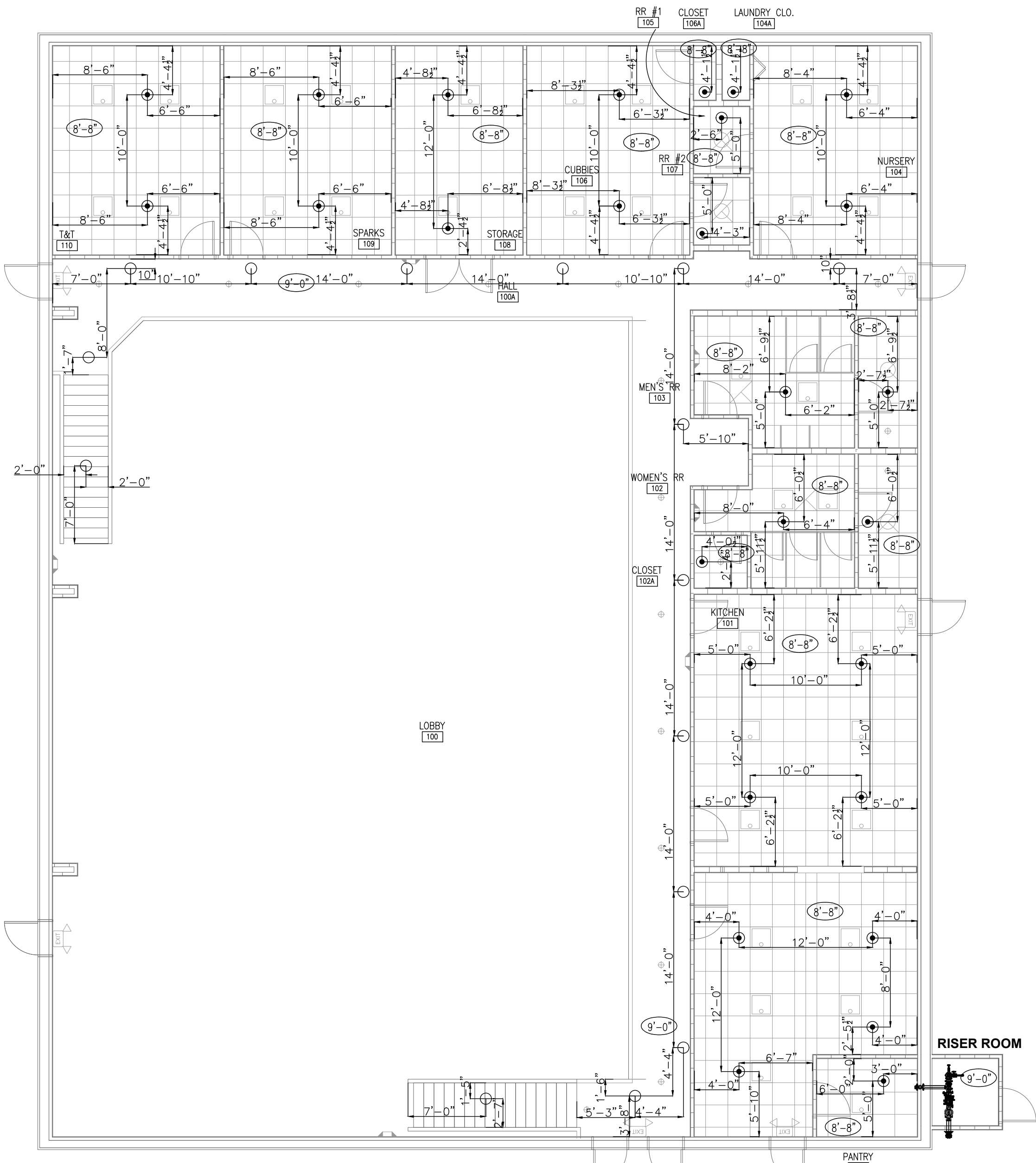
SCALE: N.T.S.



SPRINKLER GROUND FLOOR PIPING PLAN

SCALE: 1/8" = 1'-0"

NOTE: MAIN AND LINE PIPING UNDER THE MEZZANINE TO BE HUNG AT 9'-7 1/2" A.F.F.



SPRINKLER GROUND FLOOR CEILING PLAN

SCALE: 1/8" = 1'-0"

RISER ROOM CEILING PLAN

SCALE: 1/4" = 1'-0"

IMPORTANT

Building areas subject to freezing conditions, it is the owner's responsibility to provide heat throughout the wet pipe sprinkler system areas and in enclosures for dry pipe, deluge, and other types of valves controlling water supplies to sprinkler systems.

REVISIONS			SPRINKLER SYMBOLS DESCRIPTION												
DATE	DESCRIPTION	BY	SYMBOL	SIZE	TEMP	STYLE	MAKE	MODEL/SIN	FINISH	ESCUTCHION	K-FACTOR	RESPONSE	QUANTITY		
			●	1/2"	155°	SSP	VIKING	VK302	CHROME	RECESSED	5.6K	QR	28		
			○	1/2"	155°	SSU	VIKING	VK300	BRASS	N/A	5.6K	QR	15		
			TOTAL SPRINKLERS THIS SHEET 43												
			TOTAL SPRINKLERS ON JOB 121												

NC LICENSE NUMBER: 16330

Crossroads Fire Protection Inc
809 South Market Street
P.O. Box 926
Benson, NC 27504
(919) 207-3855

ANTIOCH BAPTIST CHURCH
6670 OLD US 421
LILLINGTON, NC 27546

CONTRACTOR: ANTIOCH BAPTIST CHURCH

Fire Sprinkler Plan	
PERMIT NO.	CC-11974
CONTRACT NO.	CC-11974
APPROVAL	HARNETT COUNTY
DRAWN BY	CFP
SCALE	As Noted
DATE	07-09-2026
REVISED	
FLOTTED	FP2 OF 3

