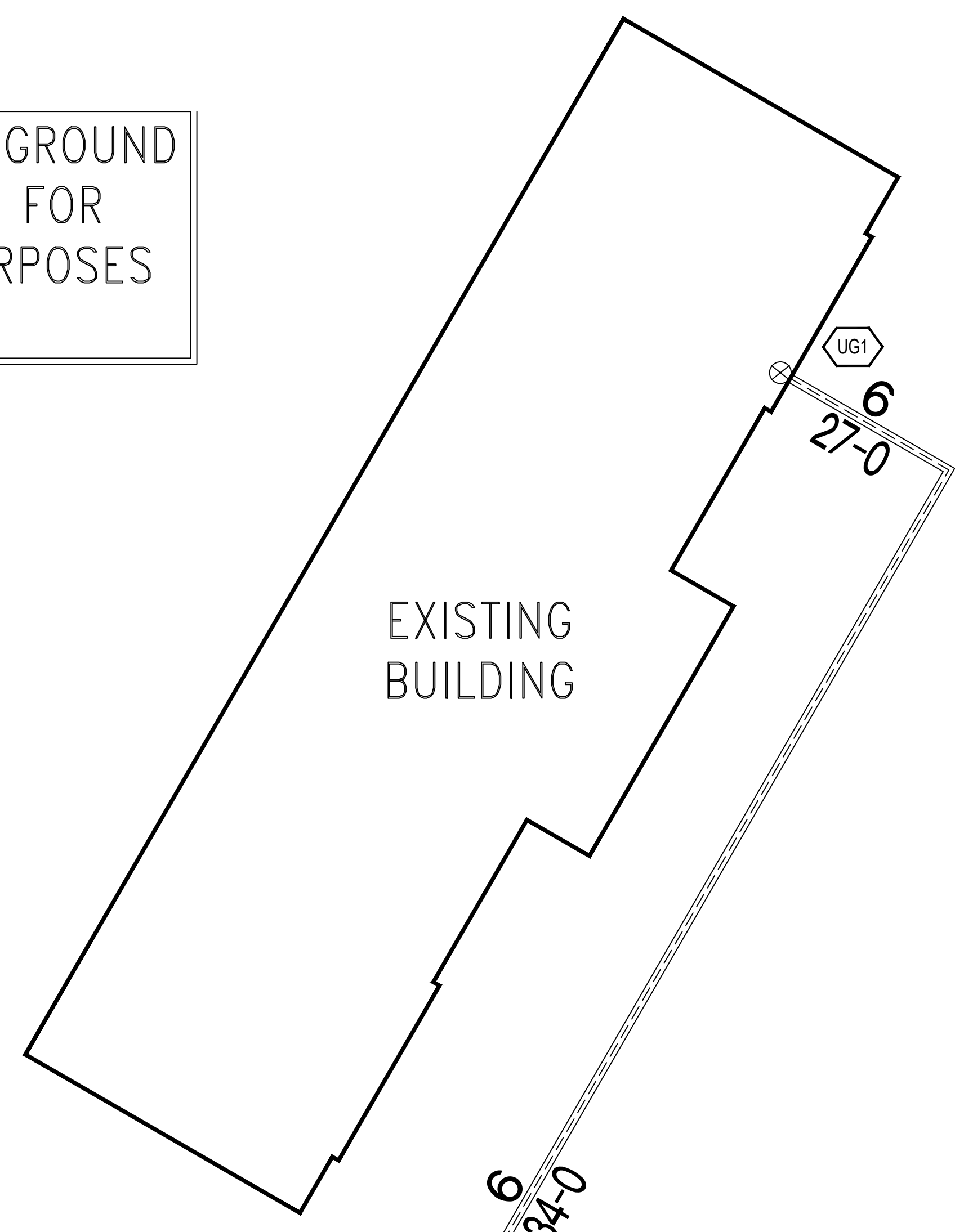


HYDRAULIC SYSTEM
This building is protected by a hydraulically designed automatic sprinkler system.

Location: 2nd Floor
No. of Sprinklers: 10
Basis of Design:
1. DENSITY: 0.1 gpm / ft²
2. DESIGN AREA OF PROTECTION: 900 ft²
System Demand: 166.5 gpm
3. SPRINKLER TYPE: RA1414
4. DESIGN PRESSURE: 43.3 psi
5. SUPPLY PRESSURE: 29.1 psi

DESIGN AREA REDUCED BY 40% PER NFPA 13-11.2.3.2.3.1

EXISTING UNDERGROUND PIPE SHOWN FOR HYDRAULIC PURPOSES ONLY



EXISTING BUILDING

EXISTING 6" C-900 PIPE

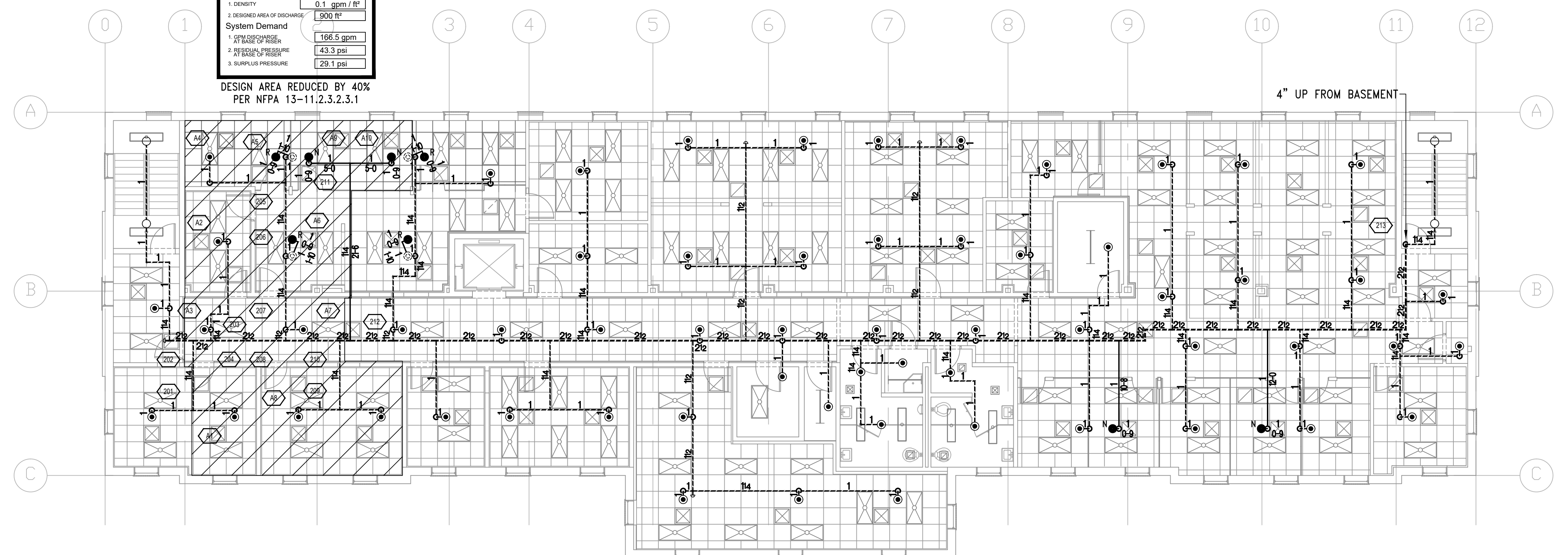
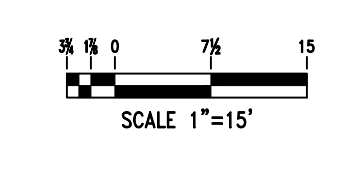
EXISTING 8" CITY MAIN

EXISTING FIRE HYDRANTS

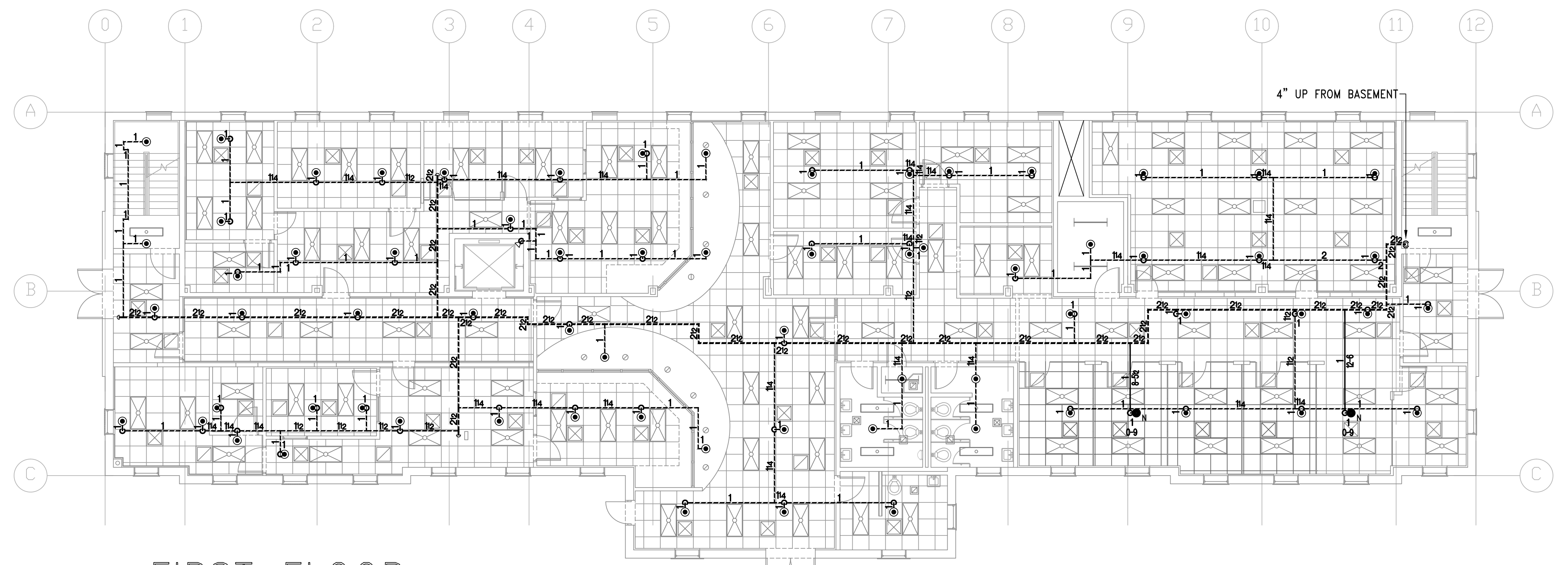
WATER SUPPLY INFO.

STATIC:	72 PSI
RESIDUAL:	54 PSI
FLOW IN GPM:	1163 GPM
DATE OF TEST:	1/7/2020
BY:	JAMES LITVAK, IPI FIRE
WITNESS:	BRIAN ROSE, YORK FIRE
HYDRANT LOCATION:	HYDRANT 3401 (TEST), 3402 (FLOW) 18 WEST LIBERTY STREET

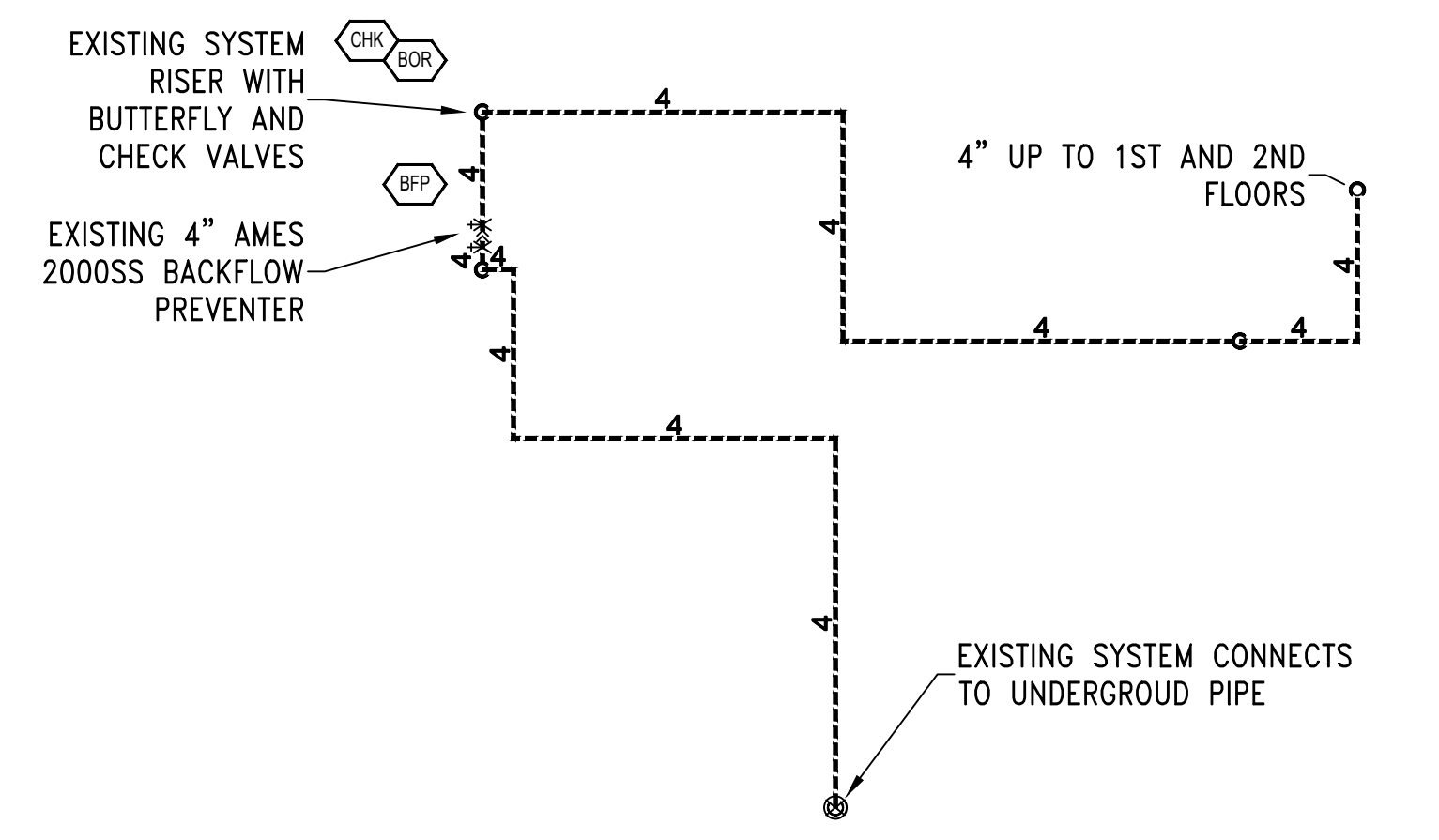
SITE PLAN
1" = 15'



SECOND FLOOR
1/8" = 1'-0"



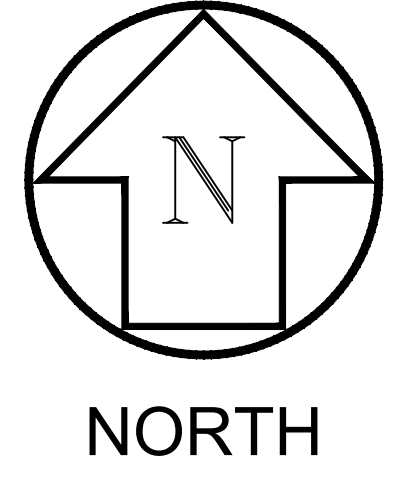
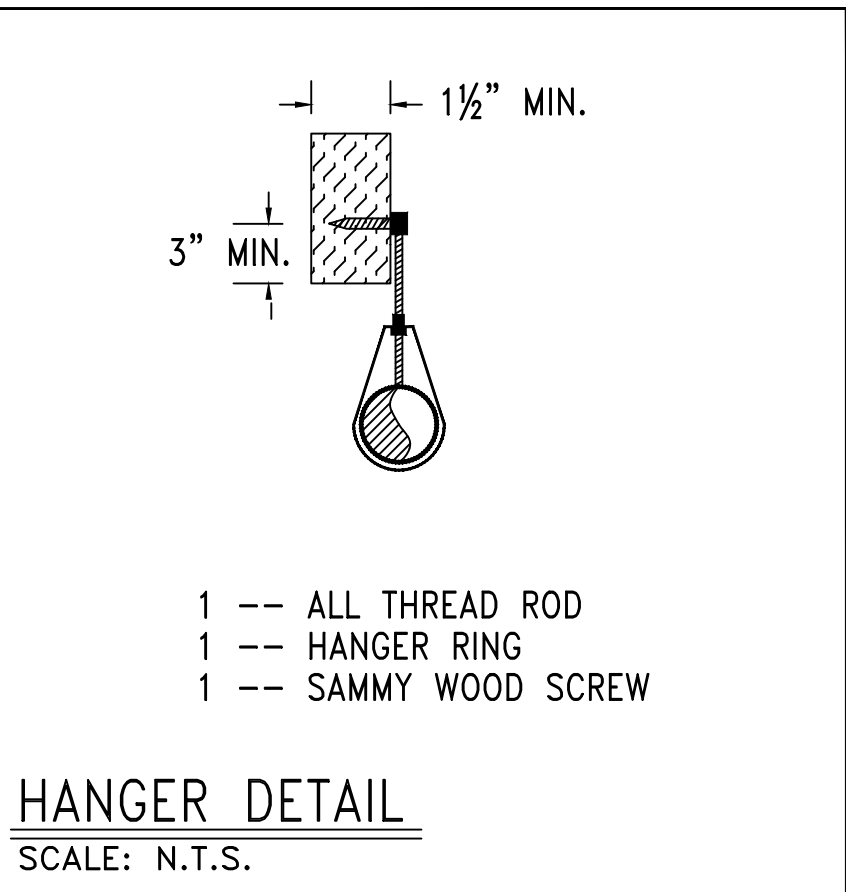
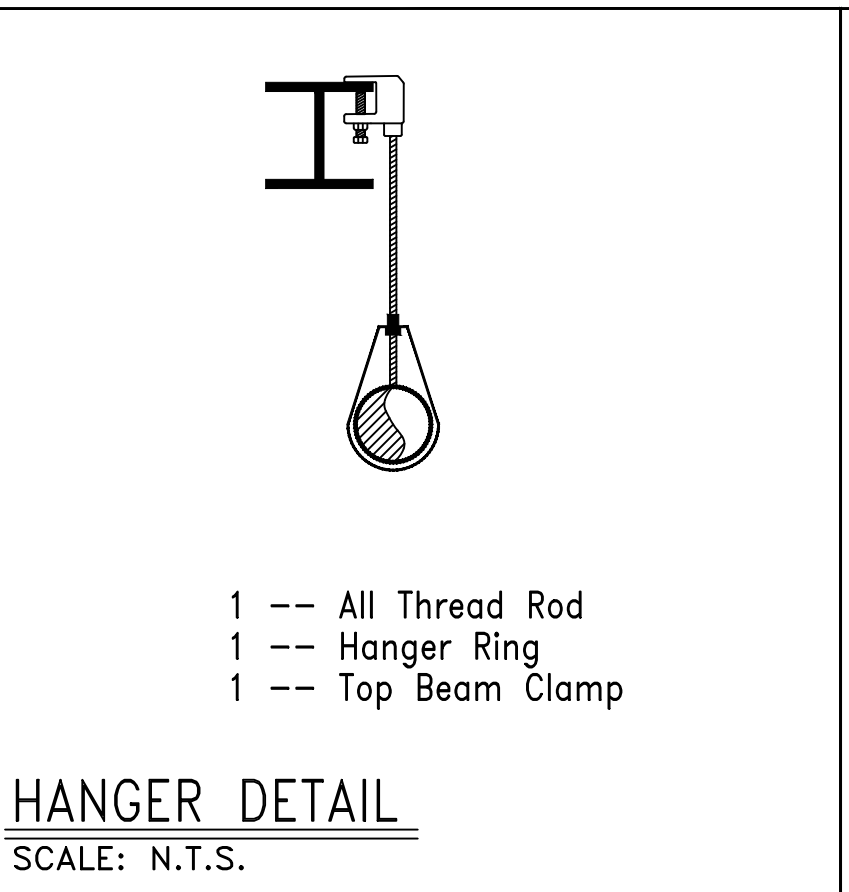
FIRST FLOOR
1/8" = 1'-0"



BASEMENT SYSTEM PIPING
1/8" = 1'-0"

- GENERAL CONSTRUCTION NOTES**
- IPI FIRE PROTECTION WORK SCOPE TO BE:
 - RELOCATE EXISTING SPRINKLER OUTLETS AND ADD NEW SPRINKLERS TO ACCOUNT FOR NEW FULL HEIGHT PARTITIONS.
 - 4 SPRINKLERS RELOCATED, 6 SPRINKLERS ADDED.
 - ALL MATERIALS, EQUIPMENT, FITTINGS, AND DEVICES USED AND INSTALLED IN THIS FIRE SPRINKLER SYSTEM SHALL BE NEW AND COMPLY WITH THE NATIONAL FIRE PROTECTION ASSOCIATION INSTALLATION STANDARD 13, 2016 EDITION.
 - ALL EQUIPMENT AND MATERIAL SHALL BE U.L. LISTED AND/OR APPROVED WHEN REQUIRED BY NFPA 13 AND LOCAL JURISDICTIONS.

- UPFIT NOTES**
- NEW PIPE
 - EXISTING PIPE
 - EXISTING SPRINKLER TO REMAIN
 - SPRINKLER OUTLET TO BE RELOCATED
 - RELOCATED FIRE SPRINKLER
 - NEW FIRE SPRINKLER



SPRINKLERS

SYM	ORIENT.	CRIF.	K	THRD.	TEMP.	MAKE	RELIABLE	MODEL	S.I.N.	FINISH	MAX. COV.	ESCAUTION	QTY.
●	PEND	1/2"	5.6	1/2"	155°	RELIABLE	RELIABLE	FIFR56	RA1414	CHROME	225 SQ.FT.	2-PIECE	10
○	EX. PEND	1/2"	5.6	1/2"	155°	RELIABLE	RELIABLE	FIFR56	RA1414	CHROME	225 SQ.FT.	2-PIECE	2
○	EX. LPR	1/2"	5.6	1/2"	155°	RELIABLE	RELIABLE	FIFR56	RA1414	BRONZE	225 SQ.FT.	N/A	2
◁	EX. HSW	1/2"	5.6	1/2"	155°	RELIABLE	RELIABLE	FIFR56	RA1435	BRONZE	196 SQ.FT.	N/A	2

REVISIONS

#	DATE	BY	DESCRIPTION

IPI Fire Protection
a division of
13504 SOUTH POINT BLVD. STE A
CHARLOTTE, NC 28273
(980) 282-1600
NC License No. 32787

SPRINKLER UPFIT PLAN
18 WEST LIBERTY STREET
RENOVATION
18 WEST LIBERTY STREET
YORK, SC 29145

Project No.:	011044-10
Date:	1/8/20
Designer:	J.L.L.
Scale:	AS NOTED
Sheet No.:	FP1

SHANE DURLINGER
NICET LEVEL IV
CERTIFICATE #1400810
EXPIRES 7/1/2021

