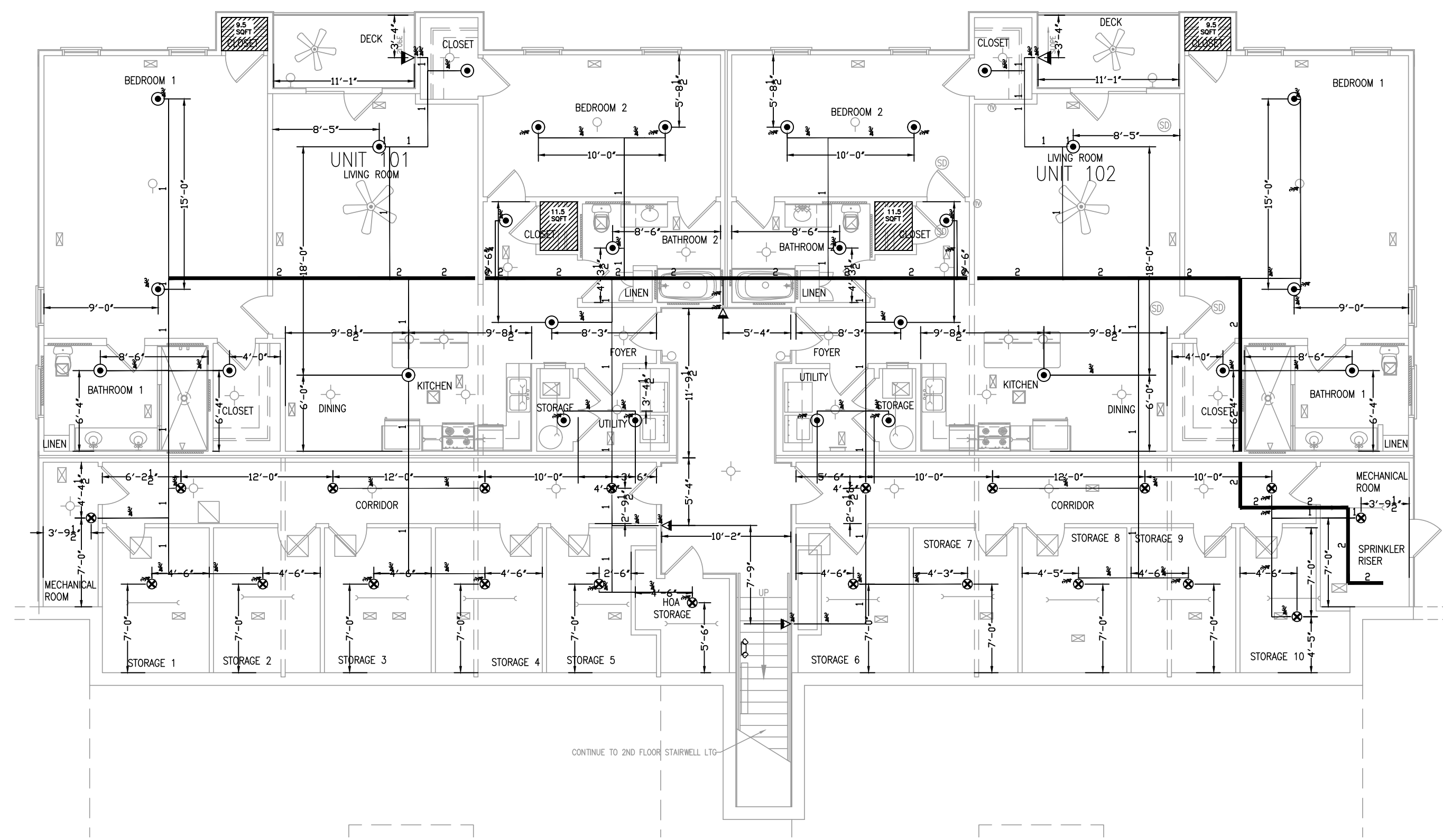


1ST FLOOR PIPING PLAN
1/8"-1'-0"



1ST FLOOR REFLECTED CEILING PLAN
1/8"-1'-0"

SPRINKLER SUMMARY											
SYM	TYPE	FINISH	TEMP	ORIF.	"K"	NPT	MANUF.	SIN#	ESCUTCHEON	QTY.	
⊗	QR PENDENT	WHITE	175°	1/2"	5.6K	1/2"	VIKING	VK3021	SEMI-RECESSED	21	
⊙	QR RES. PENDENT	WHITE	175°	1/2"	4.9K	1/2"	VIKING	VK468	SEMI-RECESSED	28	
△	QR DRY SIDEWALL	CHROME	155°	1/2"	5.6K	1/2"	VIKING	VK178	ADJ. STANDARD	5	
▽	QR RES. SIDEWALL	WHITE	175°	1/2"	4.2	1/2"	VIKING	VK484	SEMI-RECESSED	0	
										0	
										0	
										0	
										0	
										0	
TOTAL SPRINKLERS THIS PROJECT									177	TOTAL SPRINKLERS THIS DRAWING	54

SPRINKLER LEGEND
 NO HEADS REQUIRED
 REMOTE AREA

I HAVE REVIEWED THESE PLANS AND CERTIFY THAT THEY COMPLY WITH THE ADOPTED NFPA STANDARDS.

 JEANNETTE R. BARTH, SET
 LEVEL IV - WATER-BASED SYSTEMS LAYOUT
 NICET #122591 | NC LICENSE #435920
 SUMMIT FIRE & SECURITY
 NORTH CAROLINA STATE LICENSE #29733

160 HERITAGE COMMERCE COURT
 WAKE FOREST, NC 27586
 PHONE: (919) 551-5000

SUMMIT
 FIRE & SECURITY

ENGINEERING & CONSULTING
 INSTALLATION
 INSPECTION & TESTING
 SERVICE & MAINTENANCE

DATE: 9/14/23
 DRAWN BY: J. BURROWS
 SCALE: AS NOTED

DRAWING #:
LEVEL 1 PIPING AND RCP
FAIRWAY POINTE BLDG 12
188 GALLERY DR
SPRING LAKE, NC 28390

2
 OF 4

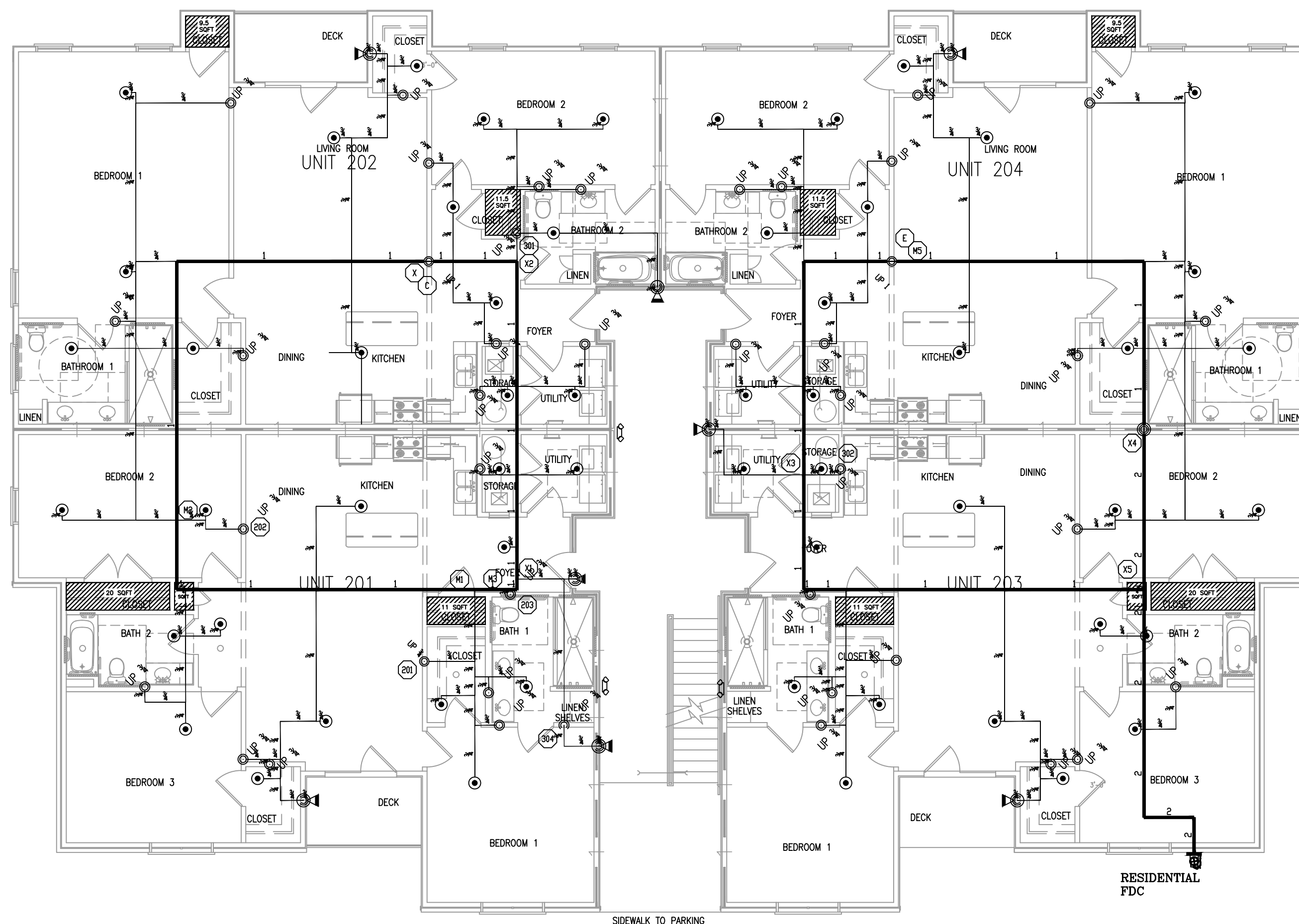
GRAPHIC SCALE: 1/8" = 1'-0"
 REVISIONS

NO.	DATE	BY	DESCRIPTION
1	9/14/23	JHB	SUBMITTAL TO AHI

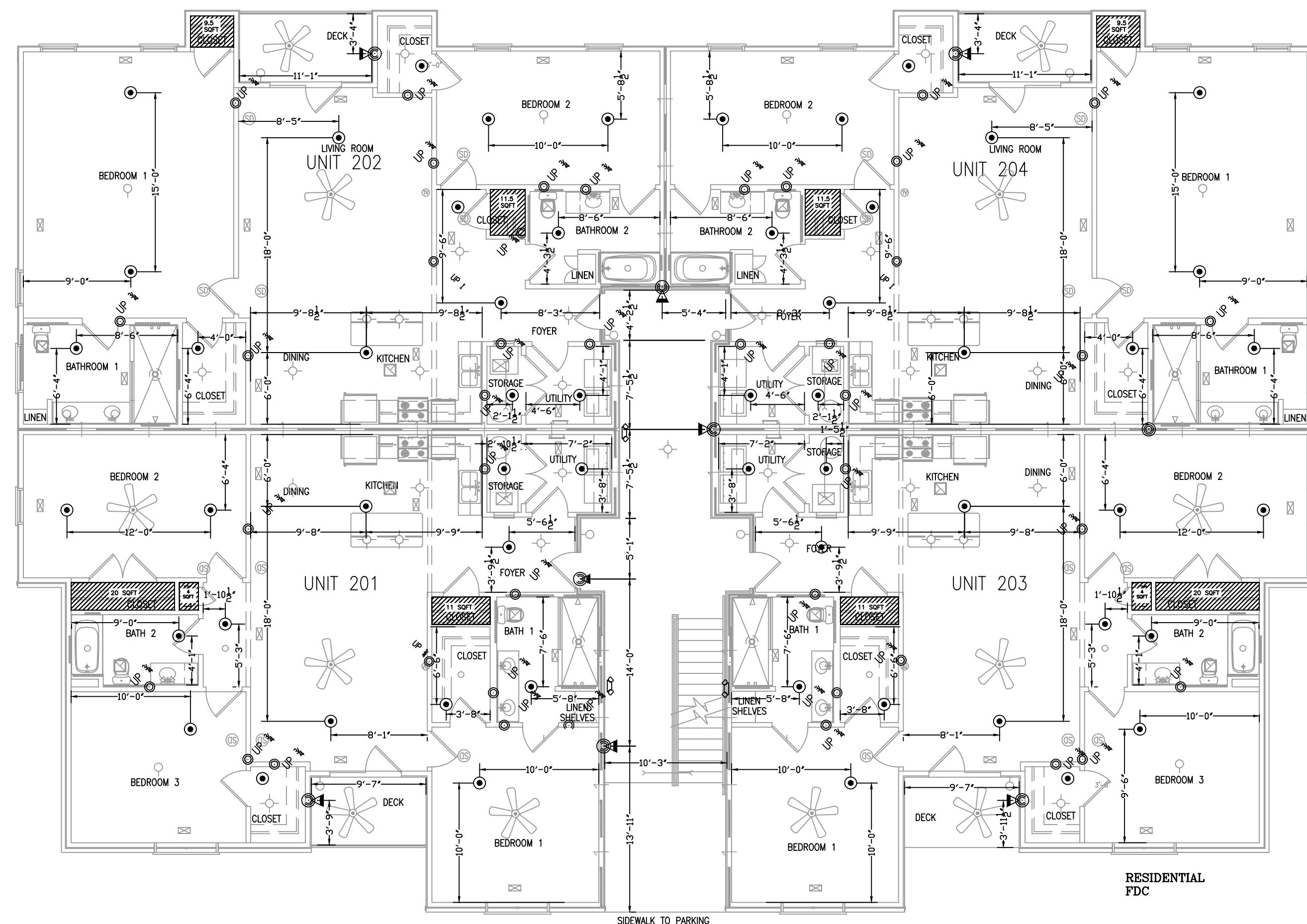
GENERAL NOTES:
 1. Fire Protection: This drawing is for the design of a fire sprinkler system in accordance with NFPA 13, 13R, and 13.5. The system shall be designed for a minimum temperature of 130°F. The system shall be designed for a minimum density of 0.15 gpm/ft². The system shall be designed for a minimum flow of 400 gpm. The system shall be designed for a minimum pressure of 100 psi. The system shall be designed for a minimum velocity of 10 ft/sec. The system shall be designed for a minimum height of 100 ft. The system shall be designed for a minimum depth of 100 ft. The system shall be designed for a minimum width of 100 ft. The system shall be designed for a minimum length of 100 ft. The system shall be designed for a minimum area of 100 ft². The system shall be designed for a minimum volume of 100 ft³. The system shall be designed for a minimum weight of 100 lb. The system shall be designed for a minimum mass of 100 kg. The system shall be designed for a minimum energy of 100 J. The system shall be designed for a minimum power of 100 W. The system shall be designed for a minimum heat of 100 BTU. The system shall be designed for a minimum enthalpy of 100 kJ. The system shall be designed for a minimum entropy of 100 J/K. The system shall be designed for a minimum Gibbs free energy of 100 kJ. The system shall be designed for a minimum Helmholtz free energy of 100 kJ. The system shall be designed for a minimum internal energy of 100 kJ. The system shall be designed for a minimum enthalpy of 100 kJ. The system shall be designed for a minimum entropy of 100 J/K. The system shall be designed for a minimum Gibbs free energy of 100 kJ. The system shall be designed for a minimum Helmholtz free energy of 100 kJ. The system shall be designed for a minimum internal energy of 100 kJ.

SYSTEM DESIGN CRITERIA:
 TYPE SYSTEM: WET
 DEFLECT: DELUGE
 PREACTION: NONE
 OCCUPANCY: RESIDENTIAL - 1BR
 MAXIMUM SPACING: SEE RFD. CALC.
 LOCAL HOSE THREADS: N.S.T.
 SPRINKLERS: ARE REQUIRED TO BE LOCATED IN THE CENTER OF THE CEILING TILES.
 PIPE TYPES AND FITTINGS: CPVC
 LINE FITTINGS: CPVC
 MAIN FITTINGS: CPVC

APPROVING AGENCIES:
 APPROVING AUTHORITY: HARNETT COUNTY
 UNDERWRITER: N/A
 GENERAL CONTRACTOR: H&H CONTRACTORS INC
 ADDRESS: 2819 BREEZWOOD AVE STE 100
 CITY & STATE: FAYETTEVILLE, NC 28303
 PHONE NO.: 910-680-2425
 FAX NO.: N/A



2ND FLOOR PIPING PLAN
1/8"=1'-0"



2ND FLOOR REFLECTED CEILING PLAN
1/8"=1'-0"

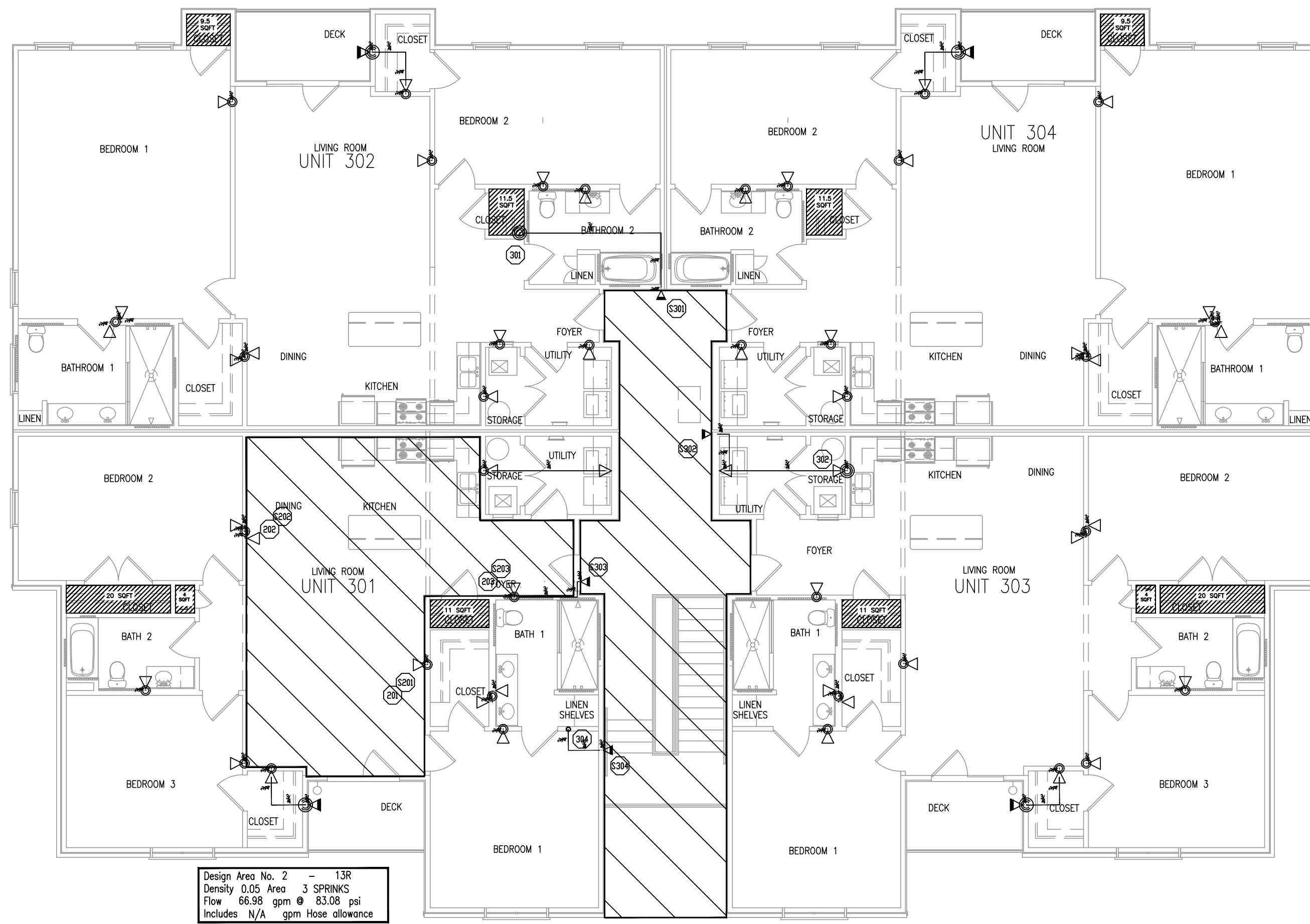
SPRINKLER SUMMARY											
SYM	TYPE	FINISH	TEMP	ORIF.	"K"	NPT	MANUF.	SIN#	ESCUTCHEON	QTY.	
⊗	QR PENDENT	WHITE	175°	1/2"	5.6K	1/2"	VIKING	VK3021	SEMI-RECESSED	0	
⊙	QR RES. PENDENT	WHITE	175°	1/2"	4.9K	1/2"	VIKING	VK468	SEMI-RECESSED	56	
△	QR DRY SIDEWALL	CHROME	155°	1/2"	5.6K	1/2"	VIKING	VK178	ADJ. STANDARD	8	
◻	QR RES. SIDEWALL	WHITE	175°	1/2"	4.2	1/2"	VIKING	VK484	SEMI-RECESSED	0	
										0	
										0	
										0	
										0	
										0	
TOTAL SPRINKLERS THIS PROJECT							177	TOTAL SPRINKLERS THIS DRAWING			64

SPRINKLER LEGEND
 NO HEADS REQUIRED
 REMOTE AREA

I HAVE REVIEWED THESE PLANS AND CERTIFY THAT THEY COMPLY WITH THE ADOPTED NFPA STANDARDS.

 JEANNETTE R. BARTH, SET
 LEVEL IV - WATER-BASED SYSTEMS LAYOUT
 NICET #122591 | NC LICENSE #435920
 SUMMIT FIRE & SECURITY
 NORTH CAROLINA STATE LICENSE #29733

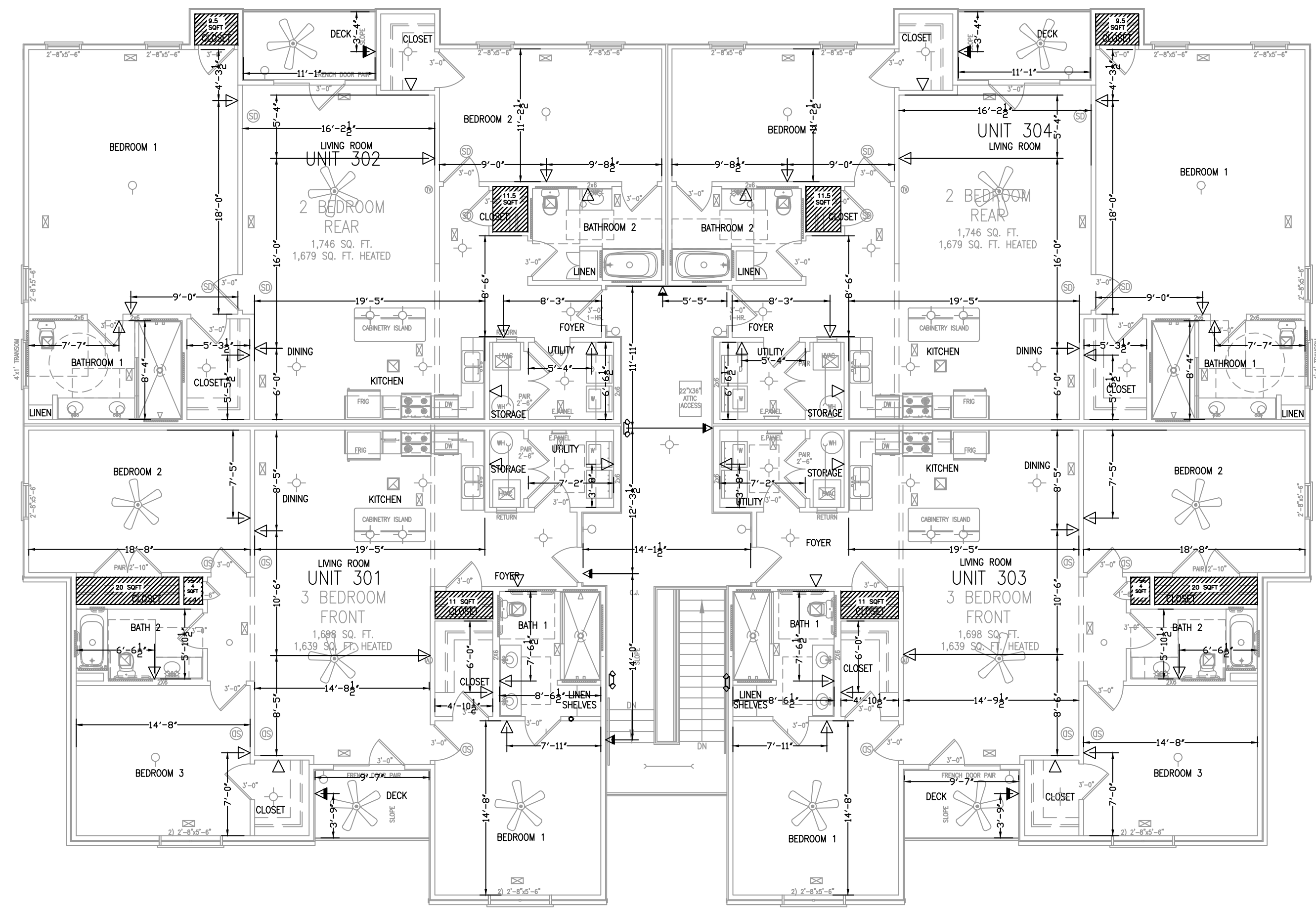
ENGINEERING & CONSULTING SUMMIT FIRE & SECURITY 160 HERITAGE COMMERCE COURT WAKE FOREST, NC 27580 PHONE 919/6532501		APPROVING AGENCIES APPROVING AUTHORITY: HARNETT COUNTY UNDERWRITER: N/A GENERAL CONTRACTOR: H&H CONSTRUCTORS INC ADDRESS: 2819 BREEZWOOD AVE STE 100 FAYETTEVILLE, NC 28303 CITY & STATE: FAYETTEVILLE, NC 28303 PHONE NO.: 910-680-2425 FAX NO.: N/A	
GENERAL NOTES: 1. Fire Protection: The owner is responsible for all decisions regarding fire protection. 2. A.L.C. Protection: The owner is responsible for all decisions regarding A.L.C. protection. 3. Coordination: All trades shall coordinate with the fire protection contractor for proper installation. 4. Underground piping shall be installed in accordance with the applicable code requirements. 5. This drawing is the property of Summit Fire & Security and is not to be duplicated without the written consent of Summit Fire & Security. 6. Materials and workmanship shall be in accordance with the applicable code requirements.		SYSTEM DESIGN CRITERIA: TYPE SYSTEM: WET DEFUEL: NO OCCUPANCY: RESIDENTIAL - RFR HAZARD: RESIDENTIAL MAXIMUM SPACING: SEE FPD. CALC. SPRINKLERS: REQUIRED TO BE LOCATED IN THE CENTER OF THE CEILING TILES. PIPE TYPES AND FITTING TYPES: CPVC LINE FITTINGS: CPVC MAIN FITTINGS: CPVC	
GRAPHIC SCALE: 1/8" = 1'-0" REVISIONS: NO. DATE BY 1 9/14/23 EBB SUBMITTED TO AHH		DRAWING #: 3 OF 4 LEVEL 2 PIPING AND RCP FAIRWAY POINTE BLDG 12 188 GALLERY DR SPRING LAKE, NC 28390 SCALE: AS NOTED	



Design Area No. 2 - LH
Density 0.05 Area 3 SPRINKS
Flow 66.98 gpm @ 83.08 psi
Includes N/A gpm Hose allowance
SAFETY FACTOR: 35.72 PSI

Design Area No. 3 - LH
Density 0.1 Area 4 SPRINK
Flow 67.203 gpm @ 53.36 psi
Includes N/A gpm Hose allowance
SAFETY FACTOR: 65.42 PSI

3RD FLOOR PIPING PLAN
1/8"=1'-0"



3RD FLOOR REFLECTED CEILING PLAN
1/8"=1'-0"

SPRINKLER SUMMARY											
SYM	TYPE	FINISH	TEMP	ORIF.	"K"	NPT	MANUF.	SIN#	ESCUTCHEON	QTY.	
⊗	QR PENDENT	WHITE	175°	1/2"	5.6K	1/2"	VIKING	VK3021	SEMI-RECESSED	0	
⊙	QR RES. PENDENT	WHITE	175°	1/2"	4.9K	1/2"	VIKING	VK468	SEMI-RECESSED	0	
△	QR DRY SIDEWALL	CHROME	155°	1/2"	5.6K	1/2"	VIKING	VK178	ADJ. STANDARD	9	
▽	QR RES. SIDEWALL	WHITE	175°	1/2"	4.2	1/2"	VIKING	VK484	SEMI-RECESSED	50	
										0	
										0	
										0	
										0	
										0	
TOTAL SPRINKLERS THIS PROJECT							177	TOTAL SPRINKLERS THIS DRAWING			59

SPRINKLER LEGEND
 NO HEADS REQUIRED
 REMOTE AREA

I HAVE REVIEWED THESE PLANS AND CERTIFY THAT THEY COMPLY WITH THE ADOPTED NFPA STANDARDS.

 JEANNETTE R. BARTH, SET
 LEVEL IV - WATER-BASED SYSTEMS LAYOUT
 NICET #122591 | NC LICENSE #435920
 SUMMIT FIRE & SECURITY
 NORTH CAROLINA STATE LICENSE #29733

ENGINEERING & CONSULTING SUMMIT FIRE & SECURITY 160 HERITAGE COMMERCE COURT WAKE FOREST, NC 27586 PHONE (919) 551-5101		APPROVING AGENCIES APPROVING AUTHORITY: HARNETT COUNTY UNDERWRITER: N/A GENERAL CONTRACTOR: H&H CONSTRUCTORS INC ADDRESS: 2819 BREEZWOOD AVE STE 100 FAYETTEVILLE, NC 28303 CITY & STATE: FAYETTEVILLE, NC 28303 PHONE NO.: 910-680-2425 FAX NO.: N/A	
GENERAL NOTES: 1. Fire Protection: The owner is responsible for providing the fire protection system with a minimum of 100°F of protection for all wet systems and portions of other systems containing water. 2. M.C. Protection: The owner is responsible for all detection and alarm protection. 3. The drawings shall not affect code compliance or scope of work. 4. Underground piping to be installed in a trench shall be installed in a trench with a minimum depth of 18" below finish grade. 5. This drawing is the property of Summit Fire & Security and is not to be duplicated or used for any other project without the written consent of Summit Fire & Security. 6. Materials testing will only be performed with water at the appropriate temperature. Any other form of testing is excluded.		SYSTEM DESIGN CRITERIA: TYPE SYSTEM: WET DETECTION: DELUGES ALARM: LOCAL HOSE THREADS OCCUPANCY: RESIDENTIAL - IFR HAZARD: RESIDENTIAL MAXIMUM SPACING: SEE IBC, CALC LOCAL HOSE THREADS: N.S.T. SPRINKLERS: ARE REQUIRED TO BE LOCATED IN THE CENTER OF THE CEILING TILES. PIPE TYPES AND FITTING TYPES: PIPING: CPVC LINE FITTINGS: CPVC MAIN FITTING: CPVC	
GRAPHIC SCALE: 1/8" = 1'-0" REVISIONS: NO. DATE BY 1 9/14/23 EHB SUBMITTED TO: AHI		DRAWING #: LEVEL 3 PIPING AND RCP FAIRWAY POINTE BLDG 12 188 GALLERY DR SPRING LAKE, NC 28390 DRAWING #: 4 OF 4	