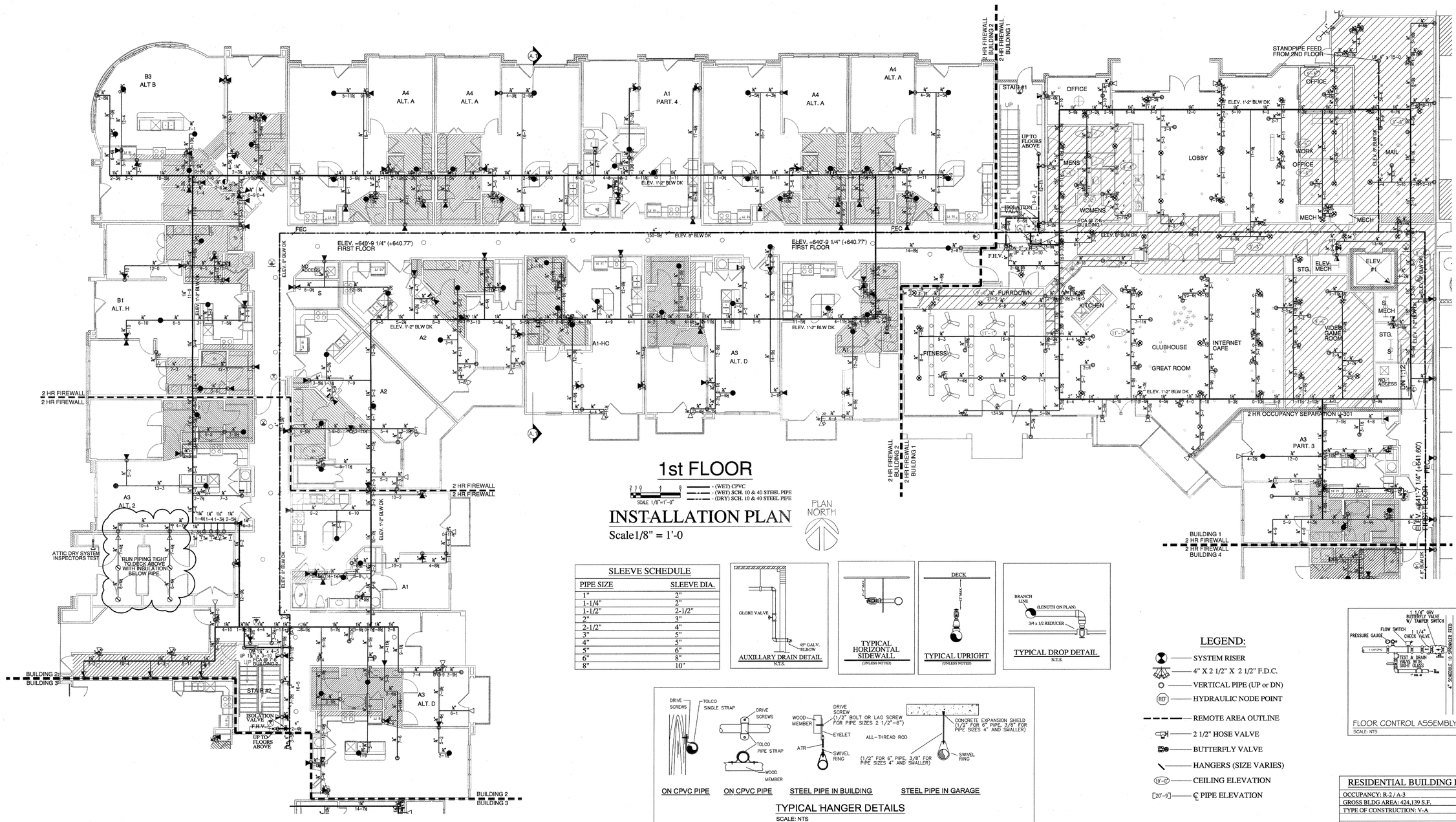


1st FLOOR

SCALE 1/8"=1'-0

- (WET) CPVC
- (WET) SCH. 10 & 40 STEEL PIPE
- (DRY) SCH. 10 & 40 STEEL PIPE

PLAN NORTH

INSTALLATION PLAN

Scale1/8" = 1'-0

SLEEVE SCHEDULE

PIPE SIZE	SLEEVE DIA.
1"	2"
1-1/4"	2"
1-1/2"	2-1/2"
2"	3"
2-1/2"	4"
3"	5"
4"	5"
5"	6"
6"	8"
8"	10"

AUXILLARY DRAIN DETAIL
N.T.S.

TYPICAL HORIZONTAL SIDEWALL
(UNLESS NOTED)

TYPICAL UPRIGHT
(UNLESS NOTED)

TYPICAL DROP DETAIL
N.T.S.

TYPICAL HANGER DETAILS
SCALE: NTS

LEGEND:

- SYSTEM RISER
- 4" X 2 1/2" X 2 1/2" F.D.C.
- VERTICAL PIPE (UP or DN)
- HYDRAULIC NODE POINT
- REMOTE AREA OUTLINE
- 2 1/2" HOSE VALVE
- BUTTERFLY VALVE
- HANGERS (SIZE VARIES)
- (10'-0") CEILING ELEVATION
- [20'-9"] ℄ PIPE ELEVATION

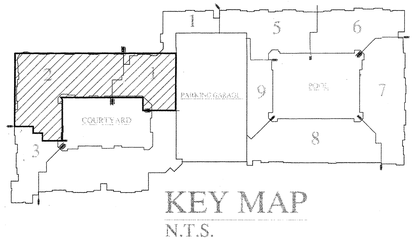
FLOOR CONTROL ASSEMBLY
SCALE: NTS

RESIDENTIAL BUILDING INFO

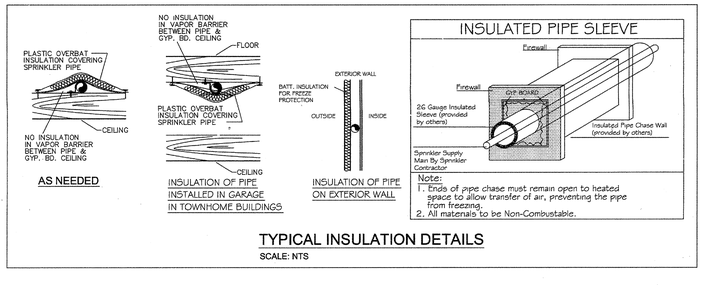
OCCUPANCY: R-2 / A-3
GROSS BLDG AREA: 424,139 S.F.
TYPE OF CONSTRUCTION: V-A

GARAGE BUILDING INFO

OCCUPANCY: S-2
GROSS BLDG AREA: 181,834 S.F.
TYPE OF CONSTRUCTION: 2-B



KEY MAP
N.T.S.

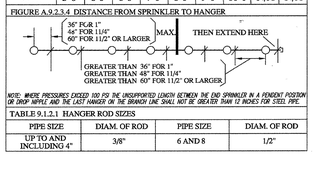


TYPICAL INSULATION DETAILS
SCALE: NTS

HANGER SPACING CHART

TABLE 9.2.2.1 MAXIMUM DISTANCE BETWEEN HANGERS (FT-IN.)									
PIPE SIZE (IN)	3/4	1	1-1/4	1-1/2	2	2-1/2	3	4	6
STEEL PIPE	N/A	12-0	12-0	15-0	15-0	15-0	15-0	15-0	15-0
THREADED LIGHTWALL	N/A	12-0	12-0	12-0	12-0	12-0	12-0	N/A	N/A
COPPER	8-0	8-0	10-0	10-0	12-0	12-0	12-0	15-0	15-0
CPVC	5-6	6-0	6-6	7-0	8-0	9-0	10-0	N/A	N/A

FIGURE A.9.2.3.4 DISTANCE FROM SPRINKLER TO HANGER



NOTE: WHERE PRESSURES EXCEED 100 PSI THE UNSUPPORTED LENGTH BETWEEN THE END SPRINKLER IN A PENDENT POSITION OR DROP NIPPLE AND THE LAST HANGER ON THE BRANCH LINE SHALL NOT BE GREATER THAN 12 INCHES FOR STEEL PIPE.

TABLE 9.1.2.1 HANGER ROD SIZES			
PIPE SIZE	DIAM. OF ROD	PIPE SIZE	DIAM. OF ROD
UP TO AND INCLUDING 4"	3/8"	6 AND 8	1/2"

GENERAL NOTES:

1. Ranger Fire's work shall consist of all necessary labor and material to design and install new automatic fire sprinkler systems in the referenced (9) Apartment Buildings and attached Parking Garage.
2. Ranger Fire excludes all electrical and ceiling work.
3. All design and installation shall conform to NFPA 13, 13R, 14, 20, & and the City of Addison requirements.
4. All material to be UL/FM approved for fire services.
5. All new plastic piping shall be Schedule 40 CPVC with CPVC plastic fittings (u.o.n.). All steel piping shall be Black Sch. 10 with grooved fittings for the mains and Black Sch. 40 with threaded fittings for the branchlines.
6. Owner or tenant is responsible for maintaining adequate heat to prevent the system from freezing (Min. 40 degrees F.).
7. Sprinkler equipment room and equipment components shall be properly identified.
8. Install signage on sprinkler equipment room door stating "Sprinkler Valve Room" in at at least 4 inches in height.
9. All hangers shall be in accordance with NFPA 13 requirements.
10. All systems shall be tested at 200 psi for 2 hours and witnessed by a representative of the Addison Fire Department. Any leaks shall be repaired.
11. The system has been hydraulically calculated per NFPA 13, 13R, 14, & 20 requirements.
12. Install Black steel piping in Parking Garage.

AS-BUILT

I have reviewed these plans and certify that they comply with the adopted NFPA standards.

Ranger Fire, Inc.
1000 South Main Street
Suite 150
Grapevine, Texas 76051
Phone: 817-410-9070
SCR- 0590

RME SIGNATURE:
PRINTED RME NAME: Matthew B. Claxton
RME NUMBER: 0778 DATE: 7-3-13

☒ AS-BUILT ☐ SUBMITTAL ☐ OTHER

RANGER FIRE, INC.
920 SOUTH MAIN STREET
SUITE 200
GRAPEVINE, TEXAS 76051
PHONE: 817-410-9070
TEXAS LICENSE: 0590

☐ AS-BUILT ☐ SUBMITTAL ☐ OTHER

CONFIDENTIALITY STATEMENT

This drawing, the property of Ranger Fire and all designs and arrangements shown thereon, shall not be reproduced, published or used in any way without the original written consent of Ranger Fire's Management.

REV'S # REVISIONS:	DATE	BY

	QTY	GENERAL CONTRACTOR:
BLDGS.	9	- EMBREY PARTNERS LTD
STREET	60	- 1000 NO LOOP 410 STE 700
CITY, ST	7	- SAN ANTONIO, TX
PHONE	272	- 210-824-6044
OWNER		
CONTACT		
PHONE		

SPRINKLERS								
FINISH	ESCUTCHEON	TEMP	ESCUTCHEON					
WHITE	P2 ESC	155°	WHITE					
CHROME	P2 ESC	286°	CHROME					
CHROME	P2 ESC	155°	CHROME					
WHITE	P2 ESC	155°	WHITE					
WHITE	CONCEALED	175°	WHITE					
WHITE	P2 ESC	175°	WHITE					
	TOTAL FOR THIS SHEET:							

SYM	MAKE	MODEL	SIN. K	ORIFICE	TEMP	ESCUTCHEON
●	RELIABLE	F1 RBS 40 PENDENT	K5.6	1/2"	155°	P2 ESC
●	RELIABLE	F1 RBS 44 HSW	K5331	1/2"	155°	P2 ESC
●	RELIABLE	F1QR RBY HSW	K5734	1/2"	286°	CHROME
●	RELIABLE	F1 RBS 40 SW	K5.6	1/2"	155°	CHROME
●	RELIABLE	F1PR HSW	RA1434	1/2"	200°	CHROME
●	RELIABLE	CR-56 CONCEALED	RA4315	5/8	175°	WHITE
●	RELIABLE	CR-56 PENDENT	RA4315	5/8	175°	WHITE
●	RELIABLE	F1PR PENDENT	R1414	1/2"	175°	WHITE

RANGER FIRE

KELLER SPRINGS LOFTS
4800 KELLER SPRINGS PKWY
ADDISON, TEXAS 75001

CONTRACT NAME:	
DESCRIPTION:	1st FLOOR
CONTRACT #	11-055
SCALE:	1/8" = 1'-0"
DRAWN BY:	C. ALEXANDER
CHECKED BY:	
DATE:	04-01-12
DWG #	FP 2 OF 30