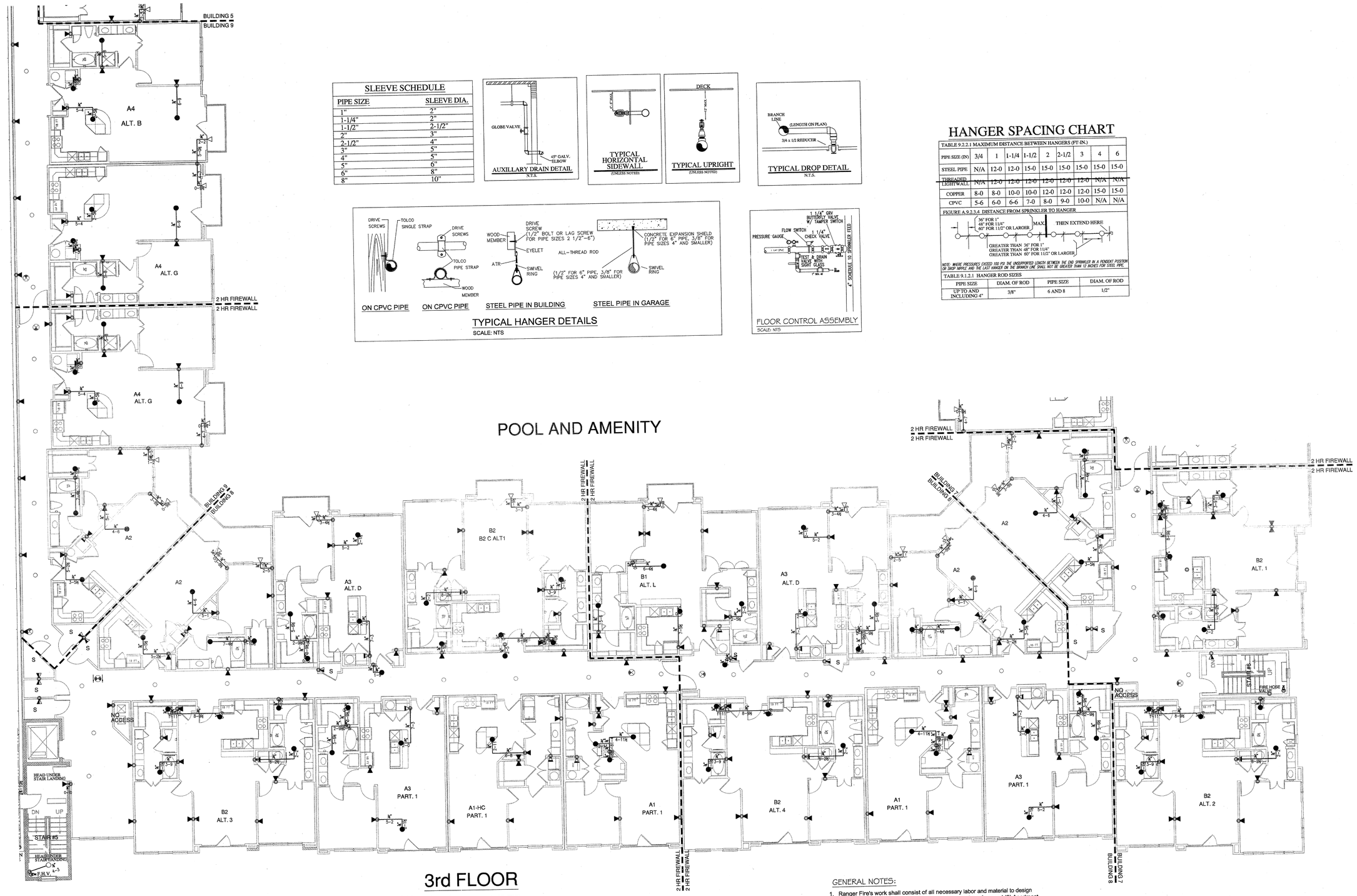


POOL AND AMENITY

3rd FLOOR

SCALE 1/8"=1'-0"

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

INSTALLATION PLAN

Scale1/8" = 1'-0

PLAN NORTH

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

FLOOR CONTROL ASSEMBLY
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 OF 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"

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)
- CEILING ELEVATION
- ℄ PIPE ELEVATION

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.

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

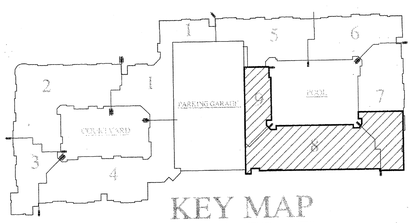
AS-BUILT

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: [signature]
PRINTED RME NAME: Matthew B. Claxton
RME NUMBER: 0778 DATE: 7-31-13

☒ AS-BUILT ☐ SUBMITTAL ☐ OTHER



KEY MAP
NTS

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
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REV #	REVISIONS:	DATE:	BY

GENERAL CONTRACTOR:
- EMBREY PARTNERS LTD
- 1020 NE LOOP 410 STE 700
- SAN ANTONIO, TX
- 210-824-6644

OWNER:
- EMBREY PARTNERS LTD
- 1020 NE LOOP 410 STE 700
- SAN ANTONIO, TX
- 210-824-6644

QTY. BLDG.	ESCUTCHEON	TEMP	FINISH
83	P2 ESC	155°	WHITE
175	C2 ESC	175°	CHROME
15	C2 ESC	200°	CHROME
30	P2 ESC	175°	CHROME
12	P2 ESC	200°	CHROME
	TOTAL FOR THIS SHEET:	255	

SYM.	MARK.	MODEL	SIN	K	ORIFICE	TEMP	FINISH
◆	RELIABLE	F1 RES 49 EPSDGINT	R3516	4.9	1/2"	155°	WHITE
◆	RELIABLE	F1 RES 44 HSW	R3511	4.4	1/2"	155°	CHROME
◆	RELIABLE	F1 RES 44 HSW	R3511	4.4	1/2"	200°	CHROME
◆	RELIABLE	F1 RES 44 HSW	R3511	4.4	1/2"	175°	CHROME
◆	RELIABLE	FIPR HSW	RA1435	5.6	1/2"	200°	CHROME

RANGER FIRE

CONTRACT NAME:

KELLER SPRINGS LOFTS
4800 KELLER SPRINGS PKWY
ADDISON, TEXAS 75001

DESCRIPTION: 3RD FLOOR

CONTRACT # 11-055

SCALE:	1/8" = 1'-0"
DRAWN BY:	C. ALEXANDER
CHECKED BY:	
DATE:	04-01-12
DWG #	FP 14 OF 30