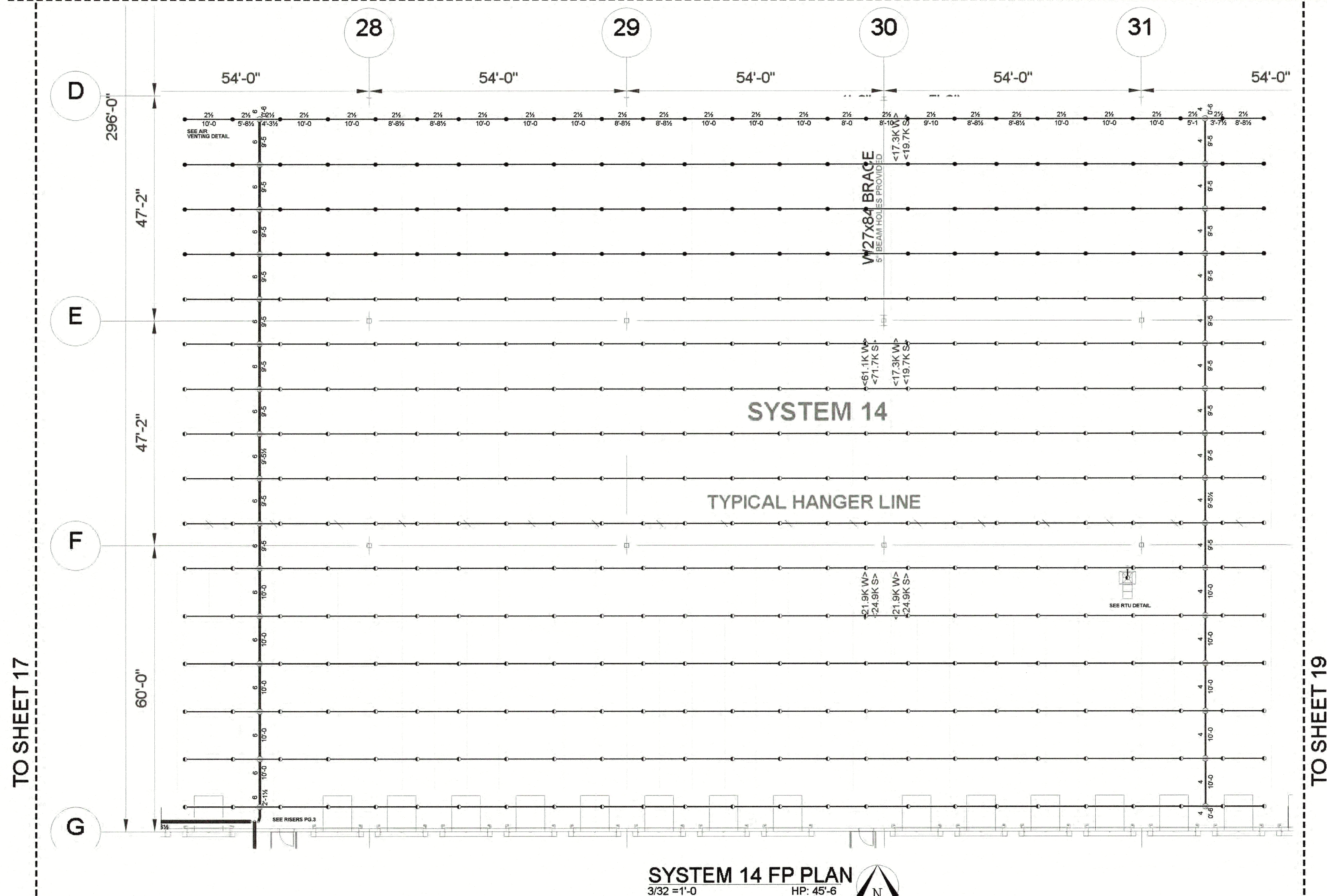


TO SHEET 9

TO SHEET 10



NOTE:

2 1/2" BRANCH LINES AT 0'8" BELOW TOP OF STEEL U.N.O.
4" MAINS AT 1'-7 1/2" BELOW TOP OF STEEL U.N.O.
6" MAINS AT 1'-8 1/2" BELOW TOP OF STEEL U.N.O.
8" MAINS AT 1'-8 1/2" BELOW TOP OF STEEL U.N.O.

NOTE:

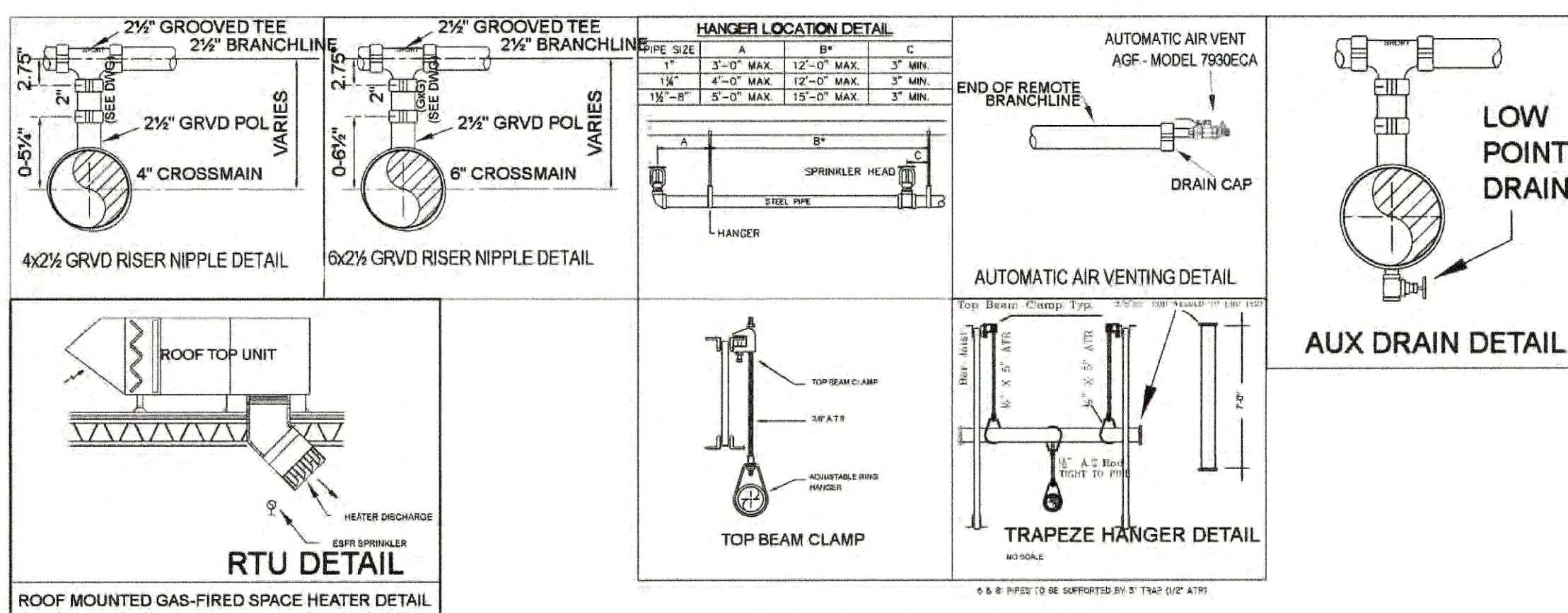
SYSTEM 14 PIPE SIZES BASED OFF
SYSTEM 16 HYDRAULIC CALCULATIONS.

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
SYSTEM 1 K22 301 K22 302 GRID 6A423 AREA: 30.000 SQ.FT.	SYSTEM 2 K22 301 K22 302 GRID 6A423 AREA: 30.000 SQ.FT.	SYSTEM 3 K22 301 K22 302 GRID 6A423 AREA: 30.000 SQ.FT.	SYSTEM 4 K22 301 K22 302 GRID 6A423 AREA: 30.000 SQ.FT.	SYSTEM 5 K22 301 K22 302 GRID 6A423 AREA: 30.000 SQ.FT.	SYSTEM 6 K22 301 K22 302 GRID 6A423 AREA: 30.000 SQ.FT.	SYSTEM 7 K22 301 K22 302 GRID 6A423 AREA: 30.000 SQ.FT.	SYSTEM 8 K22 301 K22 302 GRID 6A423 AREA: 30.000 SQ.FT.	SYSTEM 9 K22 301 K22 302 GRID 6A423 AREA: 30.000 SQ.FT.	SYSTEM 10 K22 301 K22 302 GRID 6A423 AREA: 30.000 SQ.FT.	SYSTEM 11 K22 301 K22 302 GRID 6A423 AREA: 30.000 SQ.FT.	SYSTEM 12 K22 301 K22 302 GRID 6A423 AREA: 30.000 SQ.FT.	SYSTEM 13 K22 301 K22 302 GRID 6A423 AREA: 30.000 SQ.FT.	SYSTEM 14 K22 301 K22 302 GRID 6A423 AREA: 30.000 SQ.FT.	SYSTEM 15 K22 301 K22 302 GRID 6A423 AREA: 30.000 SQ.FT.	SYSTEM 16 K22 301 K22 302 GRID 6A423 AREA: 30.000 SQ.FT.	SYSTEM 17 K22 301 K22 302 GRID 6A423 AREA: 30.000 SQ.FT.	SYSTEM 18 K22 301 K22 302 GRID 6A423 AREA: 30.000 SQ.FT.	SYSTEM 19 K22 301 K22 302 GRID 6A423 AREA: 30.000 SQ.FT.	SYSTEM 20 K22 301 K22 302 GRID 6A423 AREA: 30.000 SQ.FT.	SYSTEM 21 K22 301 K22 302 GRID 6A423 AREA: 30.000 SQ.FT.	SYSTEM 22 K22 301 K22 302 GRID 6A423 AREA: 30.000 SQ.FT.	SYSTEM 23 K22 301 K22 302 GRID 6A423 AREA: 30.000 SQ.FT.	SYSTEM 24 K22 301 K22 302 GRID 6A423 AREA: 30.000 SQ.FT.	SYSTEM 25 K22 301 K22 302 GRID 6A423 AREA: 30.000 SQ.FT.	SYSTEM 26 K22 301 K22 302 GRID 6A423 AREA: 30.000 SQ.FT.	SYSTEM 27 K22 301 K22 302 GRID 6A423 AREA: 30.000 SQ.FT.	SYSTEM 28 K22 301 K22 302 GRID 6A423 AREA: 30.000 SQ.FT.	SYSTEM 29 K22 301 K22 302 GRID 6A423 AREA: 30.000 SQ.FT.	SYSTEM 30 K22 301 K22 302 GRID 6A423 AREA: 30.000 SQ.FT.	SYSTEM 31 K22 301 K22 302 GRID 6A423 AREA: 30.000 SQ.FT.	SYSTEM 32 K22 301 K22 302 GRID 6A423 AREA: 30.000 SQ.FT.	SYSTEM 33 K22 301 K22 302 GRID 6A423 AREA: 30.000 SQ.FT.	SYSTEM 34 K22 301 K22 302 GRID 6A423 AREA: 30.000 SQ.FT.	SYSTEM 35 K22 301 K22 302 GRID 6A423 AREA: 30.000 SQ.FT.	SYSTEM 36 K22 301 K22 302 GRID 6A423 AREA: 30.000 SQ.FT.	SYSTEM 37 K22 301 K22 302 GRID 6A423 AREA: 30.000 SQ.FT.	SYSTEM 38 K22 301 K22 302 GRID 6A423 AREA: 30.000 SQ.FT.	SYSTEM 39 K22 301 K22 302 GRID 6A423 AREA: 30.000 SQ.FT.	SYSTEM 40 K22 301 K22 302 GRID 6A423 AREA: 30.000 SQ.FT.

KEY PLAN
NO SCALE

NOTE:

GARAGE DOORS ARE VERTICAL LIFT AND
DO NOT REQUIRE SPRINKLER



STANDARD DRAWING SYMBOLS	TYPICAL HANGER ASSEMBLIES BY NUMBER
1" PH DENOTES CENTERLINE OF PIPE ABOVE FINISH FLOOR	01 TOP BEAM CLAMP (TBC)
1" PH DENOTES CENTERLINE OF PIPE BELOW TOP OF STEEL	02A SAMMY SWC-20 SIDE CONCRETE
1" PH DENOTES CENTERLINE OF PIPE BELOW BOTTOM OF JOIST	03 SAMMY G8T-20 STRAIGHT WOOD
1" PH DENOTES CENTERLINE OF PIPE BELOW BOTTOM OF BEAM	04A SAMMY SWC-20 SIDE WOOD
1" PH DENOTES CENTERLINE OF PIPE BELOW THE CEILING	10 INVERTED WIDE MOUTH TBC
1" PH DENOTES HANGER	10B SAMMY SWC-316 SIDE STEEL
1" PH DENOTES HANGER ROD LENGTH	11A EYE SOCKET
1" PH DENOTES CEILING HEIGHT	12 ROD RING
1" PH HYDRAULIC CALC. REF. POINT	13A U-HOOK HANGER
1" PH GROOVE COUPLING	14 ROD RING, NUTS & WASHER
1" PH GROOVE CHECK VALVE	15 STRUT NUT, ROD & RING
1" PH FIRE HOSE VALVE CABINET	16 CONCRETE/HELYT DROP IN ANCHOR
1" PH HYDRAULIC DATA STICKER	17 Z-PURLIN CLAMP
	18 SAMMY SWC-20 STRAIGHT CONCRETE
	19 SAMMY SWC-316 SIDE, HEAVY WEIGHT STEEL

FIRE PROTECTION SPECIFICATIONS

1. DO NOT SCALE DRAWINGS(S).

2. ALL PIPE AS QC-GROOVED END TO CENTER
GO-GROOVED END TO GROOVED END.
INDICATES ACTUAL PIPE "CUT" LENGTHS
(U.N.O.)

3. DESIGN, INSTALLATION & MATERIALS TO BE
PER NFPA #13, 2013.

4. HANGERS AND ATTACHMENTS TO BE UL
LISTED AND SPACED PER NFPA #13, 2013.

5. ALL NEW PIPING SHALL BE
HYDROSTATICALLY TESTED AT 225 PSI FOR 2
HOURS W/ NO VISIBLE SIGN OF LEAKAGE.

MATERIAL SPECIFICATIONS

7. CONTRACTOR SHALL PROVIDE THE OWNER,
INSURANCE COMPANY & THE PROPER CITY
OFFICIALS WITH COPIES OF THE MATERIAL
AND TEST CERTIFICATES.

8. ALL FLOW AND TAMPER SWITCHED SHALL
BE SUPERVISED IN ACCORDANCE WITH NFPA
72. THIS WORK TO BE DONE BY OTHERS AND IS
NOT PART OF S.A. COMUNALE CONTRACT.

REVISIONS

NO. DESCRIPTION BY DATE

1 PER GC REVIEW/REVISED LEAD-INS JB 8.15.22

2 PER LARGER TANK JB 10.21.22

3 PER QHD REVIEW JB 11.17.22

4 PER SCH 10 UPGRADE JB 8.23.23

SPRINKLER LEGEND

SYMBOL QTY. DESCRIPTION SIN# THD. K° TEMP

100 TYCO E2F-25 BRASS PENDANT TY9226 1" 25.2165"

301 RELIABLE P22 ESFR BRASS PENDANTS R601 1" 22.4165"

TOTAL SPRINKLERS THIS DRAWING

401 TOTAL SPRINKLERS THIS DRAWING 6,828 TOTAL SPRINKLERS ON ENTIRE PROJECT

TOTAL SPRINKLERS ON ENTIRE PROJECT

6,828 TOTAL SPRINKLERS ON ENTIRE PROJECT

DATE

8.23.23 AS NOTED

DRAWN BY

JUSTIN BOUGHNER

DWG

50531092

SHEET NO.

18 OF 20

PROJECT NO.

AS286-21 | NY131

DRAWN BY

JB

SHEET TITLE

BUILDING B SYSTEM 14 FIRE PROTECTION PLAN

PROJECT LOCATION

NY312 & PUGSLEY RD, BREWSTER, NY 10509

PROJECT NAME

BREWSTER, NY

PROJECT LOCATION

JOSEPH R. FOWLER IV
PROFESSIONAL ENGINEER
NY PE LIC # 087280

SIGNATURE

DATE SIGNED: 8/23/23

SEISMIC DESIGN CATEGORY 'B'

SEISMIC BRACING NOT REQUIRED

USE GROUP

S-1, B

CONSTRUCTION TYPE

2B

AREA OF WORK

300,943 SQ. FT.

DESIGNER / BUILDER

ARCO

DESIGN/BUILD INDUSTRIAL

44 SOUTH BROADWAY, SUITE 1003
WHITE PLAINS, NY 10601
P: 914.821.5535 F: 914.306.6010

ADBI DESIGN SERVICES

Lincoln Equities Group, LLC

PROJECT TITLE

LINCOLN EQUITIES - NY-312 - ALT. BLDG B

NY-312 & PUGSLEY RD, SEVENTEENTH, NY 10509

ARCHITECT

ADBI / DESIGN SERVICES LLC
44 SOUTH BROADWAY, SUITE 1003
WHITE PLAINS, NY 10601

CIVIL ENGINEER

LANGAN ENGINEERING
300 KIMBALL DRIVE
PARSONS, NJ 07054

STRUCTURAL ENGINEER

SMITH ROBERTS AND ASSOCIATES, INC.
6501 BLUFF RD.
INDIANAPOLIS, INDIANA 46217

MECHANICAL ENGINEER

NATIONAL DESIGN/ BUILD SERVICES
11840 BORMAN DRIVE
ST. LOUIS, MO 63146

ELECTRICAL ENGINEER

FXB ENGINEERING
5 CHRISTY DRIVE, SUITE 307
CHADDYS FORD, PA 19317

PLUMBING ENGINEER

MCCARTHY ENGINEERING ASSOCIATES, INC.
315 EAST SECOND STREET
BOYERTOWN, PA 19512

FIRE PROTECTION ENGINEER

S A COMUNALE CO. INC.
2500 NEWPARK DRIVE
BARTERTON, OH 44203

SEAL

JOSEPH V. DIGIORGIO | NY: 042948

KEY PLAN

TRUE NORTH

SUBMITTALS

NO. DATE DESCRIPTION

0 02.18.2022 ISSUE FOR PERMIT

PROJECT NO.

DRAWN BY

SHEET TITLE

BUILDING B SYSTEM 14 FIRE PROTECTION PLAN

SHEET NO.

18 OF 20