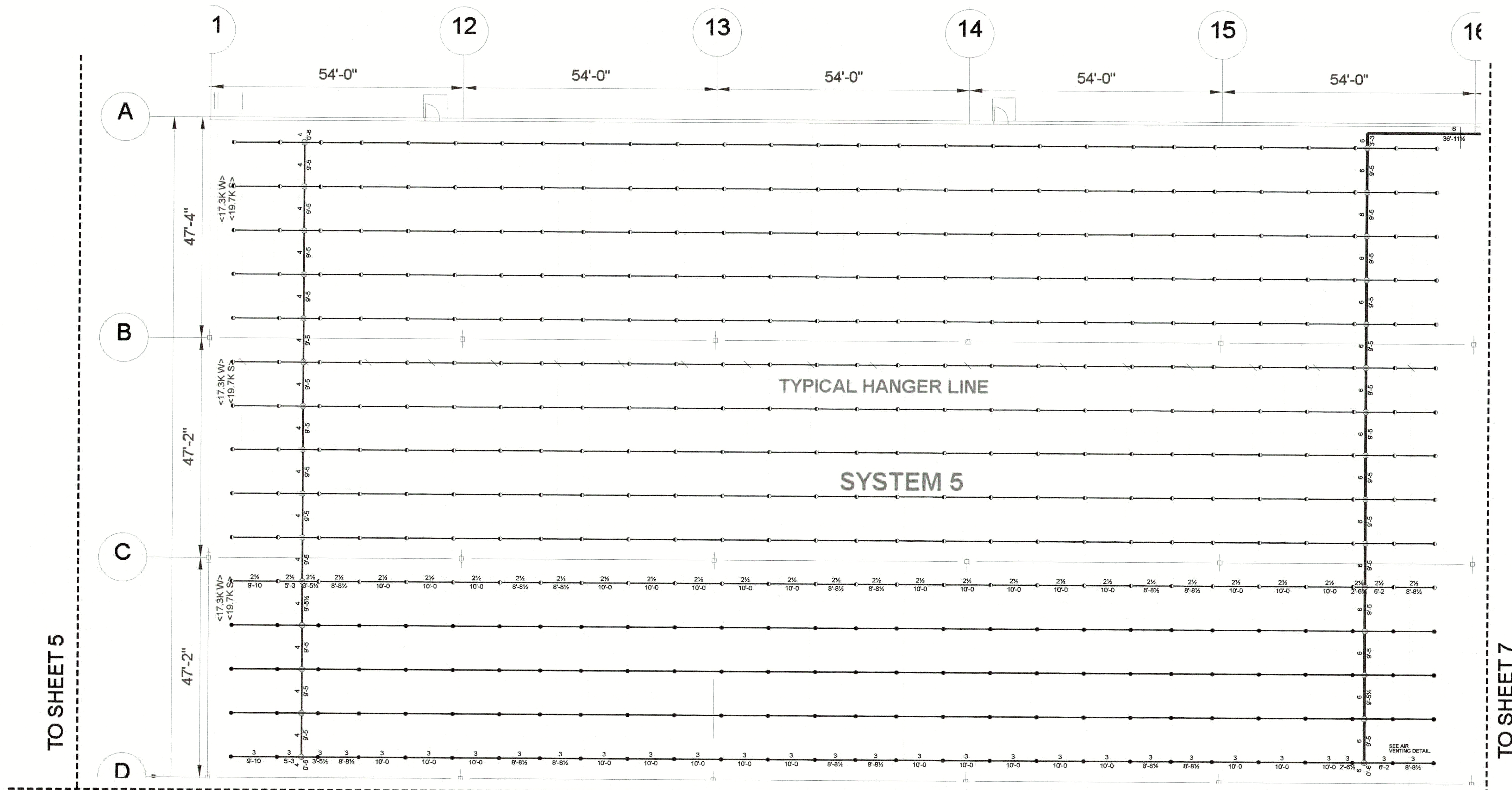




SYSTEM 5 FP PLAN
3/32" = 1'-0"

HP: 45'-6"
LP: 42'-2 1/2"

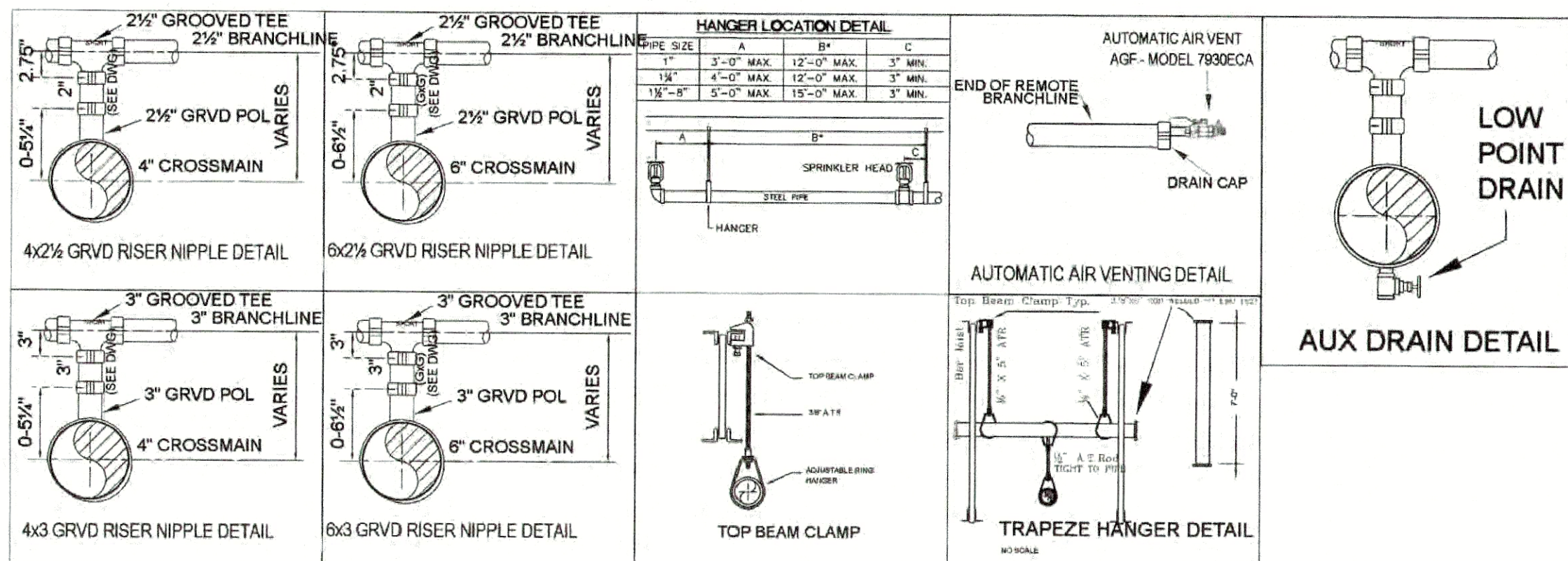


NOTE:

2 1/2" & 3" 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.

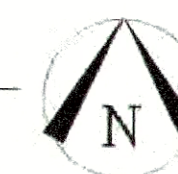
NOTE:

SYSTEM 5 PIPE SIZES BASED OFF SYSTEM 3 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 200 K22 100 GRD: 64,420 GRD: 64,420 AREA: 35,983 SQ. FT.	SYSTEM 2 K22 200 K22 100 GRD: 64,420 GRD: 64,420 AREA: 35,983 SQ. FT.	SYSTEM 3 K22 200 K22 100 GRD: 64,420 GRD: 64,420 AREA: 35,983 SQ. FT.	SYSTEM 4 K22 200 K22 100 GRD: 64,420 GRD: 64,420 AREA: 35,983 SQ. FT.	SYSTEM 5 K22 200 K22 100 GRD: 64,420 GRD: 64,420 AREA: 35,983 SQ. FT.	SYSTEM 6 K22 200 K22 100 GRD: 64,420 GRD: 64,420 AREA: 35,983 SQ. FT.	SYSTEM 7 K22 200 K22 100 GRD: 64,420 GRD: 64,420 AREA: 35,983 SQ. FT.	SYSTEM 8 K22 200 K22 100 GRD: 64,420 GRD: 64,420 AREA: 35,983 SQ. FT.	SYSTEM 9 K22 200 K22 100 GRD: 64,420 GRD: 64,420 AREA: 35,983 SQ. FT.	SYSTEM 10 K22 200 K22 100 GRD: 64,420 GRD: 64,420 AREA: 35,983 SQ. FT.	SYSTEM 11 K22 200 K22 100 GRD: 64,420 GRD: 64,420 AREA: 35,983 SQ. FT.	SYSTEM 12 K22 200 K22 100 GRD: 64,420 GRD: 64,420 AREA: 35,983 SQ. FT.	SYSTEM 13 K22 200 K22 100 GRD: 64,420 GRD: 64,420 AREA: 35,983 SQ. FT.	SYSTEM 14 K22 200 K22 100 GRD: 64,420 GRD: 64,420 AREA: 35,983 SQ. FT.	SYSTEM 15 K22 200 K22 100 GRD: 64,420 GRD: 64,420 AREA: 35,983 SQ. FT.	SYSTEM 16 K22 200 K22 100 GRD: 64,420 GRD: 64,420 AREA: 35,983 SQ. FT.	SYSTEM 17 K22 200 K22 100 GRD: 64,420 GRD: 64,420 AREA: 35,983 SQ. FT.	SYSTEM 18 K22 200 K22 100 GRD: 64,420 GRD: 64,420 AREA: 35,983 SQ. FT.	SYSTEM 19 K22 200 K22 100 GRD: 64,420 GRD: 64,420 AREA: 35,983 SQ. FT.	SYSTEM 20 K22 200 K22 100 GRD: 64,420 GRD: 64,420 AREA: 35,983 SQ. FT.	SYSTEM 21 K22 200 K22 100 GRD: 64,420 GRD: 64,420 AREA: 35,983 SQ. FT.	SYSTEM 22 K22 200 K22 100 GRD: 64,420 GRD: 64,420 AREA: 35,983 SQ. FT.	SYSTEM 23 K22 200 K22 100 GRD: 64,420 GRD: 64,420 AREA: 35,983 SQ. FT.	SYSTEM 24 K22 200 K22 100 GRD: 64,420 GRD: 64,420 AREA: 35,983 SQ. FT.	SYSTEM 25 K22 200 K22 100 GRD: 64,420 GRD: 64,420 AREA: 35,983 SQ. FT.	SYSTEM 26 K22 200 K22 100 GRD: 64,420 GRD: 64,420 AREA: 35,983 SQ. FT.	SYSTEM 27 K22 200 K22 100 GRD: 64,420 GRD: 64,420 AREA: 35,983 SQ. FT.	SYSTEM 28 K22 200 K22 100 GRD: 64,420 GRD: 64,420 AREA: 35,983 SQ. FT.	SYSTEM 29 K22 200 K22 100 GRD: 64,420 GRD: 64,420 AREA: 35,983 SQ. FT.	SYSTEM 30 K22 200 K22 100 GRD: 64,420 GRD: 64,420 AREA: 35,983 SQ. FT.	SYSTEM 31 K22 200 K22 100 GRD: 64,420 GRD: 64,420 AREA: 35,983 SQ. FT.	SYSTEM 32 K22 200 K22 100 GRD: 64,420 GRD: 64,420 AREA: 35,983 SQ. FT.	SYSTEM 33 K22 200 K22 100 GRD: 64,420 GRD: 64,420 AREA: 35,983 SQ. FT.	SYSTEM 34 K22 200 K22 100 GRD: 64,420 GRD: 64,420 AREA: 35,983 SQ. FT.	SYSTEM 35 K22 200 K22 100 GRD: 64,420 GRD: 64,420 AREA: 35,983 SQ. FT.	SYSTEM 36 K22 200 K22 100 GRD: 64,420 GRD: 64,420 AREA: 35,983 SQ. FT.	SYSTEM 37 K22 200 K22 100 GRD: 64,420 GRD: 64,420 AREA: 35,983 SQ. FT.	SYSTEM 38 K22 200 K22 100 GRD: 64,420 GRD: 64,420 AREA: 35,983 SQ. FT.	SYSTEM 39 K22 200 K22 100 GRD: 64,420 GRD: 64,420 AREA: 35,983 SQ. FT.	SYSTEM 40 K22 200 K22 100 GRD: 64,420 GRD: 64,420 AREA: 35,983 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
01 DENOTES CENTERLINE OF PIPE ABOVE FINISH FLOOR	01 TOP BEAM CLAMP (TBC)
02 DENOTES CENTERLINE OF PIPE BELOW TOP OF STEEL	02A SAMMY SWC-20 SIDE CONCRETE
03 DENOTES CENTERLINE OF PIPE BELOW BOTTOM OF JOIST	03A SAMMY SWC-20 STRAIGHT WOOD
04 DENOTES CENTERLINE OF PIPE BELOW BOTTOM OF BEAM	04A SAMMY SWC-20 SIDE WOOD
05 DENOTES CENTERLINE OF PIPE BELOW THE CEILING	05A INVERTED WIDE MOUTH TBC
06 DENOTES HANGER	06A TBC w/CLAVIS RING
07 DENOTES HANGER ROD LENGTH	07A TBC w/ 6" RETAINING STRAP
08 DENOTES CEILING HEIGHT	08A TBC w/ 12" RETAINING STRAP
09 HYDRAULIC CALC. REF. POINT	09A ROD, RING, NUTS & WASHER
10 GROOVE COUPLING	10A 4" CLEVIS HANGER W/ROD
11 GROOVE CHECK VA	11A CONCRETE/HILT DROP IN ANCHOR
12 FIRE ROSE VALVE	12A SAMMY SWC-20 STRAIGHT CONCRETE
13 FLOW SWITCH	13A SAMMY SWC-20 STRAIGHT WOOD
14 FIRE DEPT. CONN.	14A 2-PURLIN CLAMP
15 FIRE ROSE VALVE CABINET	15A SAMMY SWC-20 STRAIGHT LIGHT WEIGHT STEEL
16 HYDRAULIC DATA STICKER	16A SAMMY SWC-20 STRAIGHT HEAVY WEIGHT STEEL
17 PRESSURE GAUGE	17A SAMMY SWC-20 STRAIGHT CONCRETE
18	18A SAMMY SWC-20 STRAIGHT WOOD
19	19A SAMMY SWC-20 STRAIGHT WOOD
20	20A SAMMY SWC-20 STRAIGHT WOOD
21	21A SAMMY SWC-20 STRAIGHT WOOD
22	22A SAMMY SWC-20 STRAIGHT WOOD
23	23A SAMMY SWC-20 STRAIGHT WOOD
24	24A SAMMY SWC-20 STRAIGHT WOOD
25	25A SAMMY SWC-20 STRAIGHT WOOD
26	26A SAMMY SWC-20 STRAIGHT WOOD
27	27A SAMMY SWC-20 STRAIGHT WOOD
28	28A SAMMY SWC-20 STRAIGHT WOOD
29	29A SAMMY SWC-20 STRAIGHT WOOD
30	30A SAMMY SWC-20 STRAIGHT WOOD
31	31A SAMMY SWC-20 STRAIGHT WOOD
32	32A SAMMY SWC-20 STRAIGHT WOOD
33	33A SAMMY SWC-20 STRAIGHT WOOD
34	34A SAMMY SWC-20 STRAIGHT WOOD
35	35A SAMMY SWC-20 STRAIGHT WOOD
36	36A SAMMY SWC-20 STRAIGHT WOOD
37	37A SAMMY SWC-20 STRAIGHT WOOD
38	38A SAMMY SWC-20 STRAIGHT WOOD
39	39A SAMMY SWC-20 STRAIGHT WOOD
40	40A SAMMY SWC-20 STRAIGHT WOOD

FIRE PROTECTION SPECIFICATIONS
1. DO NOT SCALE DRAWINGS(S)
2. ALL PIPE AS SHOWN-GROOVED END TO CENTER
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
6. CONTRACTOR SHALL PROVIDE THE OWNER, INSURANCE COMPANY & THE PROPER CITY OFFICIALS WITH COPIES OF THE MATERIAL AND TEST CERTIFICATES
7. 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.

MATERIAL SPECIFICATIONS
1. PIPE IS SCH 40 A53 (unco)
2. PIPE IS SCH 40 A53 (unco)
3. PIPE IS SCH 40 A53 (unco)
4. PIPE IS SCH 40 A53 (unco)
5. PIPE IS SCH 40 A53 (unco)
6. PIPE IS SCH 40 A53 (unco)
7. PIPE IS SCH 40 A53 (unco)
8. PIPE IS SCH 40 A53 (unco)
9. PIPE IS SCH 40 A53 (unco)
10. PIPE IS SCH 40 A53 (unco)
11. PIPE IS SCH 40 A53 (unco)
12. PIPE IS SCH 40 A53 (unco)
13. PIPE IS SCH 40 A53 (unco)
14. PIPE IS SCH 40 A53 (unco)
15. PIPE IS SCH 40 A53 (unco)
16. PIPE IS SCH 40 A53 (unco)
17. PIPE IS SCH 40 A53 (unco)
18. PIPE IS SCH 40 A53 (unco)
19. PIPE IS SCH 40 A53 (unco)
20. PIPE IS SCH 40 A53 (unco)
21. PIPE IS SCH 40 A53 (unco)
22. PIPE IS SCH 40 A53 (unco)
23. PIPE IS SCH 40 A53 (unco)
24. PIPE IS SCH 40 A53 (unco)
25. PIPE IS SCH 40 A53 (unco)
26. PIPE IS SCH 40 A53 (unco)
27. PIPE IS SCH 40 A53 (unco)
28. PIPE IS SCH 40 A53 (unco)
29. PIPE IS SCH 40 A53 (unco)
30. PIPE IS SCH 40 A53 (unco)
31. PIPE IS SCH 40 A53 (unco)
32. PIPE IS SCH 40 A53 (unco)
33. PIPE IS SCH 40 A53 (unco)
34. PIPE IS SCH 40 A53 (unco)
35. PIPE IS SCH 40 A53 (unco)
36. PIPE IS SCH 40 A53 (unco)
37. PIPE IS SCH 40 A53 (unco)
38. PIPE IS SCH 40 A53 (unco)
39. PIPE IS SCH 40 A53 (unco)
40. PIPE IS SCH 40 A53 (unco)

REVISIONS	SPRINKLER LEGEND
1. PER GC REVIEW/REVISED LEAD-INS	1. TYPICAL SPRINKLER
2. PER LARGER TANK	2. TYPICAL SPRINKLER
3. PER GC REVIEW	3. TYPICAL SPRINKLER
4. PER SCH 10 UPGRADE	4. TYPICAL SPRINKLER
5. PER GC REVIEW	5. TYPICAL SPRINKLER
6. PER GC REVIEW	6. TYPICAL SPRINKLER
7. PER GC REVIEW	7. TYPICAL SPRINKLER
8. PER GC REVIEW	8. TYPICAL SPRINKLER
9. PER GC REVIEW	9. TYPICAL SPRINKLER
10. PER GC REVIEW	10. TYPICAL SPRINKLER
11. PER GC REVIEW	11. TYPICAL SPRINKLER
12. PER GC REVIEW	12. TYPICAL SPRINKLER
13. PER GC REVIEW	13. TYPICAL SPRINKLER
14. PER GC REVIEW	14. TYPICAL SPRINKLER
15. PER GC REVIEW	15. TYPICAL SPRINKLER
16. PER GC REVIEW	16. TYPICAL SPRINKLER
17. PER GC REVIEW	17. TYPICAL SPRINKLER
18. PER GC REVIEW	18. TYPICAL SPRINKLER
19. PER GC REVIEW	19. TYPICAL SPRINKLER
20. PER GC REVIEW	20. TYPICAL SPRINKLER
21. PER GC REVIEW	21. TYPICAL SPRINKLER
22. PER GC REVIEW	22. TYPICAL SPRINKLER
23. PER GC REVIEW	23. TYPICAL SPRINKLER
24. PER GC REVIEW	24. TYPICAL SPRINKLER
25. PER GC REVIEW	25. TYPICAL SPRINKLER
26. PER GC REVIEW	26. TYPICAL SPRINKLER
27. PER GC REVIEW	27. TYPICAL SPRINKLER
28. PER GC REVIEW	28. TYPICAL SPRINKLER
29. PER GC REVIEW	29. TYPICAL SPRINKLER
30. PER GC REVIEW	30. TYPICAL SPRINKLER
31. PER GC REVIEW	31. TYPICAL SPRINKLER
32. PER GC REVIEW	32. TYPICAL SPRINKLER
33. PER GC REVIEW	33. TYPICAL SPRINKLER
34. PER GC REVIEW	34. TYPICAL SPRINKLER
35. PER GC REVIEW	35. TYPICAL SPRINKLER
36. PER GC REVIEW	36. TYPICAL SPRINKLER
37. PER GC REVIEW	37. TYPICAL SPRINKLER
38. PER GC REVIEW	38. TYPICAL SPRINKLER
39. PER GC REVIEW	39. TYPICAL SPRINKLER
40. PER GC REVIEW	40. TYPICAL SPRINKLER

SEISMIC DESIGN CATEGORY 'B'
SEISMIC BRACING NOT REQUIRED

USE GROUP: S-1, B
CONSTRUCTION TYPE: 2B
AREA OF WORK: 300,943 SQ. FT.

PROJECT NAME: LINCOLN EQUITIES
PROJECT LOCATION: BREWSTER, NY
JOSEPH R. FOWLER IV, PROFESSIONAL ENGINEER
NY PE LIC # 087280

SIGNATURE: [Signature]
DATE SIGNED: 07/10/2022

S.A. COMUNALE CO. INC.
FIRE PROTECTION CONTRACTORS
2500 NEWPARK DR. BARBERTON, OHIO 44203 330-706-3040 FAX: 330-881-0880
CLEVELAND 440-884-0225 COLUMBUS 614-291-7001 CINCINNATI 513-874-4268
FREMONT 419-334-3841 PHILADELPHIA, PA: 856-848-4666 YOUNGSTOWN: 330-856-4440
MARION 740-383-6789 WASHINGTON, DC 410-788-1531 READING, PA: 610-670-3860

LINCOLN EQUITIES SOUTHEAST
NY312 & PUGSLEY RD, BREWSTER, NY 10509

BUILDING B SYSTEM 5 FIRE PROTECTION PLAN

DATE: 8.23.23 SCALE: AS NOTED DRAWN BY: JUSTIN BOUGHOR JOB #: 50231082 DWG #: 6 OF 20

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, SOUTHEAST, NY 10509

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

CIVIL ENGINEER
LANGAN ENGINEERING
300 KIMBALL DRIVE
PARSIPPANY, 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
CHADDS FORD, PA 19317

PLUMBING ENGINEER
MC CARTHY ENGINEERING ASSOCIATES, INC.
315 EAST SECOND STREET
BOYERTOWN, PA 19512

FIRE PROTECTION ENGINEER
S.A. COMUNALE CO. INC.
2500 NEWPARK DRIVE
BARBERTON, OH 44203

SEAL

JOSEPH V. DIGIORGIO | NY: 042498

KEY PLAN

TRUE PROJECT NORTH

SUBMITTALS

NO.	DATE	DESCRIPTION
0	02.18.2022	ISSUE FOR PERMIT

PROJECT NO. AS286-21 | NY131
DRAWN BY JB

SHEET TITLE
BUILDING B SYSTEM 5 FIRE PROTECTION PLAN

SHEET NO.

6 OF 20