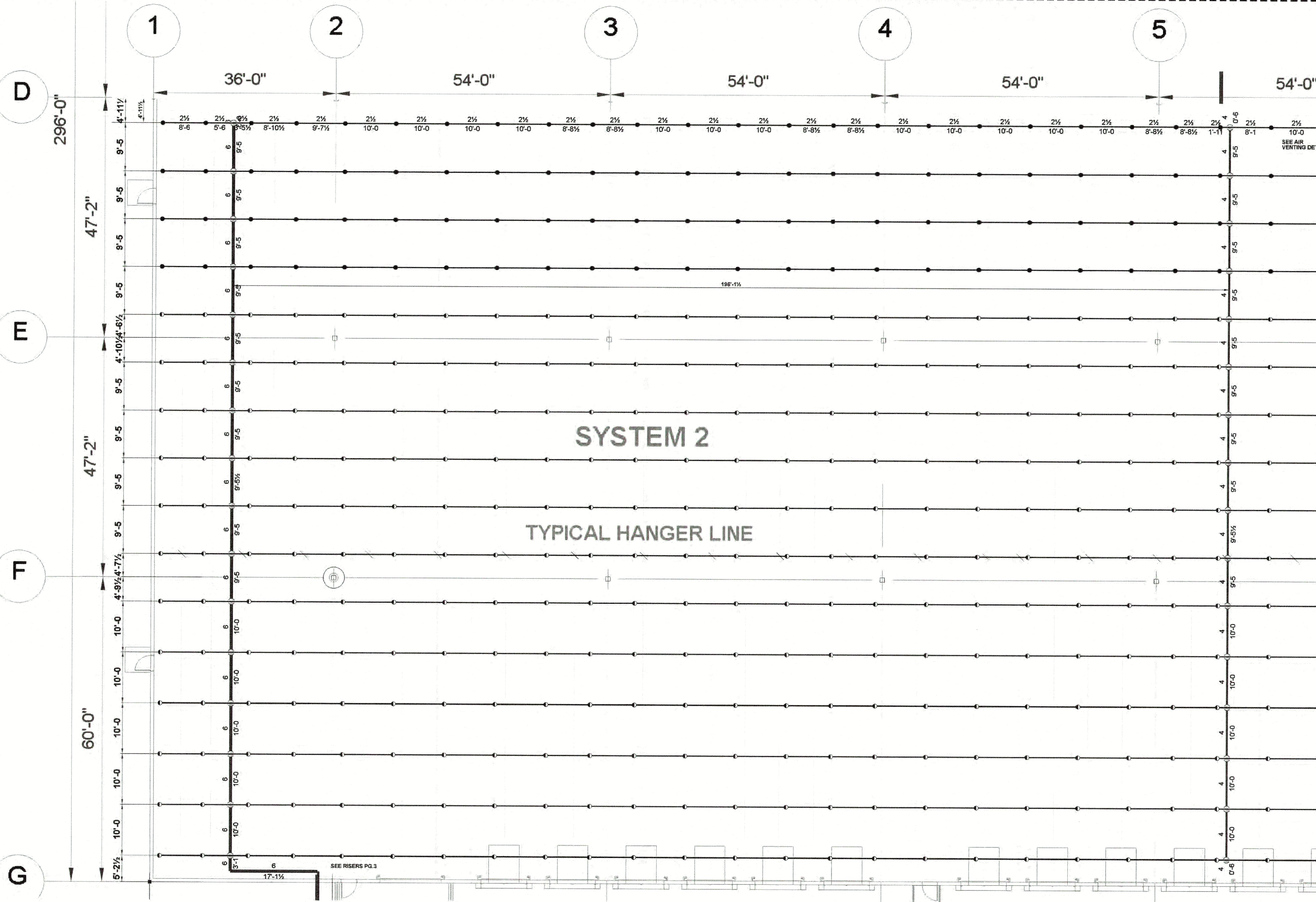


TO SHEET 4



TO SHEET 13

SYSTEM 2 FP PLAN

3/32 = 1'-0" HP: 45'-6" LP: 42'-2 1/2"

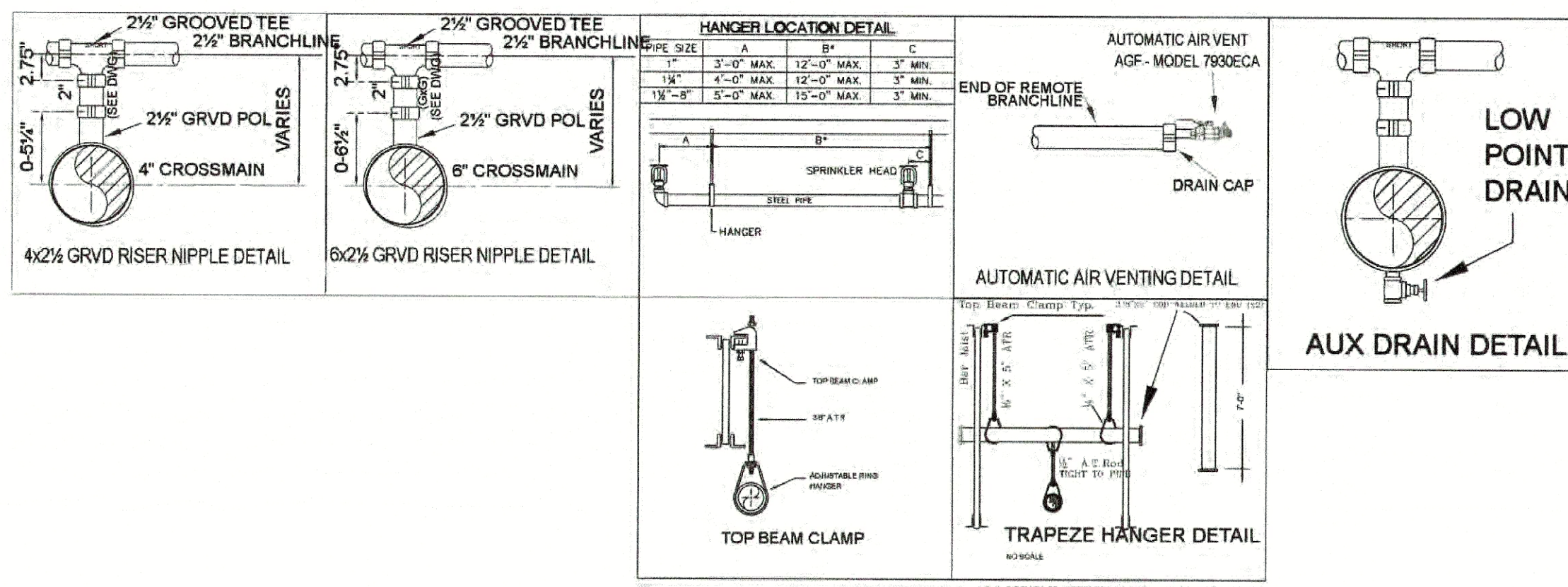


NOTE:

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:

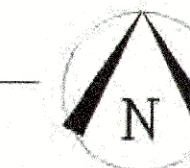
SYSTEM 2 PIPE SIZES BASED OFF SYSTEM
 16 HYDRAULIC CALCULATIONS.



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 K25-100 K25-100 K25-100 AREA: 38,888 SQ.FT.	SYSTEM 2 K25-100 K25-100 K25-100 AREA: 38,888 SQ.FT.	SYSTEM 3 K25-100 K25-100 K25-100 AREA: 38,888 SQ.FT.	SYSTEM 4 K25-100 K25-100 K25-100 AREA: 38,888 SQ.FT.	SYSTEM 5 K25-100 K25-100 K25-100 AREA: 38,888 SQ.FT.	SYSTEM 6 K25-100 K25-100 K25-100 AREA: 38,888 SQ.FT.	SYSTEM 7 K25-100 K25-100 K25-100 AREA: 38,888 SQ.FT.	SYSTEM 8 K25-100 K25-100 K25-100 AREA: 38,888 SQ.FT.	SYSTEM 9 K25-100 K25-100 K25-100 AREA: 38,888 SQ.FT.	SYSTEM 10 K25-100 K25-100 K25-100 AREA: 38,888 SQ.FT.	SYSTEM 11 K25-100 K25-100 K25-100 AREA: 38,888 SQ.FT.	SYSTEM 12 K25-100 K25-100 K25-100 AREA: 38,888 SQ.FT.	SYSTEM 13 K25-100 K25-100 K25-100 AREA: 38,888 SQ.FT.	SYSTEM 14 K25-100 K25-100 K25-100 AREA: 38,888 SQ.FT.	SYSTEM 15 K25-100 K25-100 K25-100 AREA: 38,888 SQ.FT.	SYSTEM 16 K25-100 K25-100 K25-100 AREA: 38,888 SQ.FT.	SYSTEM 17 K25-100 K25-100 K25-100 AREA: 38,888 SQ.FT.	SYSTEM 18 K25-100 K25-100 K25-100 AREA: 38,888 SQ.FT.	SYSTEM 19 K25-100 K25-100 K25-100 AREA: 38,888 SQ.FT.	SYSTEM 20 K25-100 K25-100 K25-100 AREA: 38,888 SQ.FT.	SYSTEM 21 K25-100 K25-100 K25-100 AREA: 38,888 SQ.FT.	SYSTEM 22 K25-100 K25-100 K25-100 AREA: 38,888 SQ.FT.	SYSTEM 23 K25-100 K25-100 K25-100 AREA: 38,888 SQ.FT.	SYSTEM 24 K25-100 K25-100 K25-100 AREA: 38,888 SQ.FT.	SYSTEM 25 K25-100 K25-100 K25-100 AREA: 38,888 SQ.FT.	SYSTEM 26 K25-100 K25-100 K25-100 AREA: 38,888 SQ.FT.	SYSTEM 27 K25-100 K25-100 K25-100 AREA: 38,888 SQ.FT.	SYSTEM 28 K25-100 K25-100 K25-100 AREA: 38,888 SQ.FT.	SYSTEM 29 K25-100 K25-100 K25-100 AREA: 38,888 SQ.FT.	SYSTEM 30 K25-100 K25-100 K25-100 AREA: 38,888 SQ.FT.	SYSTEM 31 K25-100 K25-100 K25-100 AREA: 38,888 SQ.FT.	SYSTEM 32 K25-100 K25-100 K25-100 AREA: 38,888 SQ.FT.	SYSTEM 33 K25-100 K25-100 K25-100 AREA: 38,888 SQ.FT.	SYSTEM 34 K25-100 K25-100 K25-100 AREA: 38,888 SQ.FT.	SYSTEM 35 K25-100 K25-100 K25-100 AREA: 38,888 SQ.FT.	SYSTEM 36 K25-100 K25-100 K25-100 AREA: 38,888 SQ.FT.	SYSTEM 37 K25-100 K25-100 K25-100 AREA: 38,888 SQ.FT.	SYSTEM 38 K25-100 K25-100 K25-100 AREA: 38,888 SQ.FT.	SYSTEM 39 K25-100 K25-100 K25-100 AREA: 38,888 SQ.FT.	SYSTEM 40 K25-100 K25-100 K25-100 AREA: 38,888 SQ.FT.

KEY PLAN

NO SCALE



NOTE:

GARAGE DOORS ARE VERTICAL LIFT AND
 DO NOT REQUIRE SPRINKLER

3 1/2 6 12
 SCALE 3/32" = 1'-0"

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:
 DATE SIGNED:

S.A. COMUNALE Co. Inc.
 FIRE PROTECTION CONTRACTORS

2200 NEWPARK DR. BARBERTON, OHIO 44203 330-706-3040 FAX: 330-861-0860
 CLEVELAND 440-684-9325 COLUMBUS 614-291-7001 CINCINNATI 513-874-4098
 FREMONT 419-334-3841 PHILADELPHIA, PA 856-848-4666 YOUNGSTOWN: 330-856-4440
 MARION 740-583-6789 WASHINGTON, DC 410-788-1931 READING, PA 610-870-3960

LINCOLN EQUITIES SOUTHEAST
 NY312 & PUGSLEY RD, BREWSTER, NY 10509
 BUILDING B SYSTEM 2 FIRE PROTECTION PLAN

DATE: 8.23.23 SCALE: AS NOTED DRAWN BY: JUSTIN BOUGHNER JOB #: 50531092 DWG #: 12 OF 20

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 GST-20 STRAIGHT WOOD
04 DENOTES CENTERLINE OF PIPE BELOW BOTTOM OF BEAM	04A SAMMY SWG-20 SIDE WOOD
05 DENOTES CENTERLINE OF PIPE BELOW THE CEILING	05A SAMMY SWC-20 SIDE WOOD
06 DENOTES HANGER	06A SAMMY SWC-20 SIDE WOOD
07 DENOTES HANGER ROD LENGTH	07A SAMMY SWC-20 SIDE WOOD
08 DENOTES CEILING HEIGHT	08A SAMMY SWC-20 SIDE WOOD
09 HYDRAULIC CALC. REF. POINT	09A SAMMY SWC-20 SIDE WOOD
10 GROOVE COUPLING	10A SAMMY SWC-20 SIDE WOOD
11 GROOVE CHECK VA.	11A SAMMY SWC-20 SIDE WOOD
12 FIRE HOSE VALVE CABINET	12A SAMMY SWC-20 SIDE WOOD
13 HYDRAULIC DATA STICKER	13A SAMMY SWC-20 SIDE WOOD

FIRE PROTECTION SPECIFICATIONS
1. DO NOT SCALE DRAWING(S).
2. ALL PIPE AS-GROOVED END TO CENTER GG-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
1. PIPE IS SCH 40 A53 (unp) Sch 40 A53 Black Sch 40 Thimble Sch 40 Galvanized Sch 40 Galvanized Weld-On-Lets Thrd Weld-On-Lets Grr Weld-On-Lets Buff Cast Iron Fittings Galvanized Fittings Maleless Pipe 3000 C-rod Number of Weeds Cut Lengths Center to Center
2. SUPPLY THE FOLLOWING
3. American Made (Domestic)
4. Smith-Corbin Fittings
5. Smith-Corbin Couplings
6. Firelock Fittings
7. Firelock Couplings
8. Standard Vic/Central Figs.
9. Head Wrenches
10. Spare Head Cabinet
11. Top Beam Clamps
12. Concrete Inserts
13. Sammy Screens
14. One-Strut/One Iron
15. Can Heads be any brand?
16. Fit Fittings
17. Hangers Cut Length
18. Hangers Center to Center
19. F.M. Approved Material Only

REVISIONS
1. PER GC REVIEW/REVISED LEAD-INS
2. PER LARGER TANK
3. PER GHD REVIEW
4. PER SCH 10 UPGRADE

SPRINKLER LEGEND
1. TYCO ESFR-25 BRASS PENDANT
2. RELIABLE P22 ESFR BRASS PENDANTS

SYMBOL	QTY.	DESCRIPTION	SINH	THD	K"	TEMP
1	100	TYCO ESFR-25 BRASS PENDANT	TY9226	1"	25	2165°
2	300	RELIABLE P22 ESFR BRASS PENDANTS	R601	1"	22	2165°

DATE	8.23.23	SCALE	AS NOTED	DRAWN BY	JUSTIN BOUGHNER	JOB #	50531092	DWG #	12 OF 20
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DESIGNER / BUILDER

ARCO

DESIGN/BUILD INDUSTRIAL

44 SOUTH BROADWAY, SUITE 1003
 WHITE PLAINS, NY 10601
 P: 914.821.5535 F: 914.306.8010

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

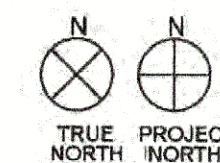
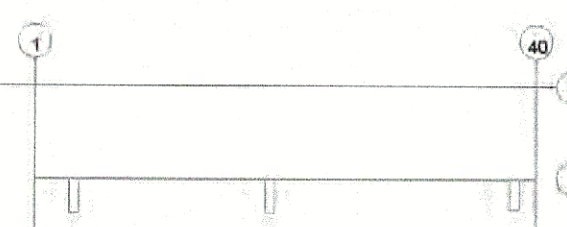
PLUMBING ENGINEER
 MCCARTHY ENGINEERING ASSOCIATES,
 INC.
 315 EAST SECOND STREET
 BOYERTOWN, PA 19512

FIRE PROTECTION ENGINEER
 S.A. COMUNALE CO. INC.
 2900 NEWPARK DRIVE
 BARBERTON, OH 44203

SEAL

JOSEPH V. DIGIORGIO | NY: 042948

KEY PLAN



SUBMITTALS

NO. DATE DESCRIPTION
 0 02.18.2022 ISSUE FOR PERMIT

PROJECT NO.

AS286-21 | NY131

SHEET TITLE

**BUILDING B SYSTEM 2
 FIRE PROTECTION
 PLAN**

SHEET NO.

12 OF 20