

PRINTED: 2024.01.11 10:22:13 AM

STANDARD DRAWING SYMBOLS		TYPICAL HANGER ASSEMBLIES BY NUMBER	
1	DENOTES CENTERLINE OF PIPE ABOVE FINISH FLOOR.	01	TOP BEAM CLAMP (TBC)
2	DENOTES CENTERLINE OF PIPE BELOW TOP OF STEEL.	02	WIDE MOUTH TOP BEAM CLAMP
3	DENOTES CENTERLINE OF PIPE BELOW BOTTOM OF JOIST.	03	INVERTED TOP BEAM CLAMP
4	DENOTES CENTERLINE OF PIPE BELOW BOTTOM OF BEAM.	04	INVERTED WIDE MOUTH TBC
5	DENOTES CENTERLINE OF PIPE BELOW TOP OF CEILING.	05	TBC w/ 6" RETAINING STRAP
6	DENOTES HANGER.	06	TBC w/ 6" RETAINING STRAP
7	DENOTES HANGER ROD LENGTH.	07	ROD RING
8	DENOTES CEILING HEIGHT.	08	ROD RING, NUTS & WASHER
9	DENOTES HYDRAULIC CALC. REF. POINT.	09	CONCRETE/HILT DROP IN ANCHOR
10	DENOTES GROOVE COUPLING.	10	HILT SHOT & STUD
11	DENOTES GROOVE CHECK VAL.	11	SAFETY SWDR 5/8" SIDE, HEAVY WEIGHT STEEL
12	DENOTES FIRE HOSE VALVE CABINET.	12	SAFETY SWDR 5/8" SIDE, STRAIGHT CONCRETE
13	DENOTES FIRE HOSE VALVE CABINET.	13	SAFETY SWDR 5/8" SIDE, STRAIGHT CONCRETE
14	DENOTES HYDRAULIC DATA STICKER.	14	SAFETY SWDR 5/8" SIDE, STRAIGHT CONCRETE

FIRE PROTECTION SPECIFICATIONS	
1. DO NOT SCALE DRAWINGS(S).	7. CONTRACTOR SHALL PROVIDE THE OWNER, INSURANCE COMPANY & THE PROPER CITY OFFICIALS WITH COPIES OF THE MATERIAL AND TEST CERTIFICATES.
2. ALL PIPE AS SHOWN/END TO CENTER. INDICATES ACTUAL PIPE "CUT" LENGTHS (U.N.O.).	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.
3. DESIGN, INSTALLATION & MATERIALS TO BE PER NFPA #13, 2013.	9. ALL NEW PIPING SHALL BE HYDROSTATICALLY TESTED AT 225 PSI FOR 2 HOURS W/ NO VISIBLE SIGN OF LEAKAGE.
4. HANGERS AND ATTACHMENTS TO BE UL LISTED AND SPACED PER NFPA #13, 2013.	10. OWNER SHALL PROVIDE MINIMUM OF 40' F TO

MATERIAL SPECIFICATIONS	
GRID/GRID MAIN LINE	SUPPLY THE FOLLOWING
1	American Made (Domestic)
2	Smith-Cooper Fittings
3	Smith-Cooper Couplings
4	Firelock Fittings
5	Standard V-Central Figs.
6	Head Wrenches
7	Spare Head Cabinet
8	Cast Iron Fittings
9	Galvanized Fittings
10	Galvanized Fittings
11	Galvanized Fittings
12	Galvanized Fittings
13	Galvanized Fittings
14	Galvanized Fittings
15	Galvanized Fittings
16	Galvanized Fittings
17	Galvanized Fittings
18	Galvanized Fittings
19	Galvanized Fittings

REVISIONS	
NO.	DESCRIPTION
1	PER GC REVIEW/ADDED LEAD-IN
2	PER LARGER TANK
3	PER GHD REVIEW
4	PER SCH 10 UPGRADE

SPRINKLER LEGEND	
SYMBOL	DESCRIPTION
TY9226	TYCO ESFR-25 BRASS PENDANT
448	TYCO ESFR-25 BRASS PENDANT

SEISMIC DESIGN CATEGORY 'B'	
USE GROUP:	S-1, B
CONSTRUCTION TYPE:	2B
AREA OF WORK:	300,943 SQ. FT.
PROJECT NAME:	LINCOLN EQUITIES
PROJECT LOCATION:	BREWSTER, NY
DESIGNER:	JOSEPH R. FOWLER IV, PROFESSIONAL ENGINEER, NY PE LIC # 087280
SIGNATURE:	[Signature]
DATE SIGNED:	8.23.23

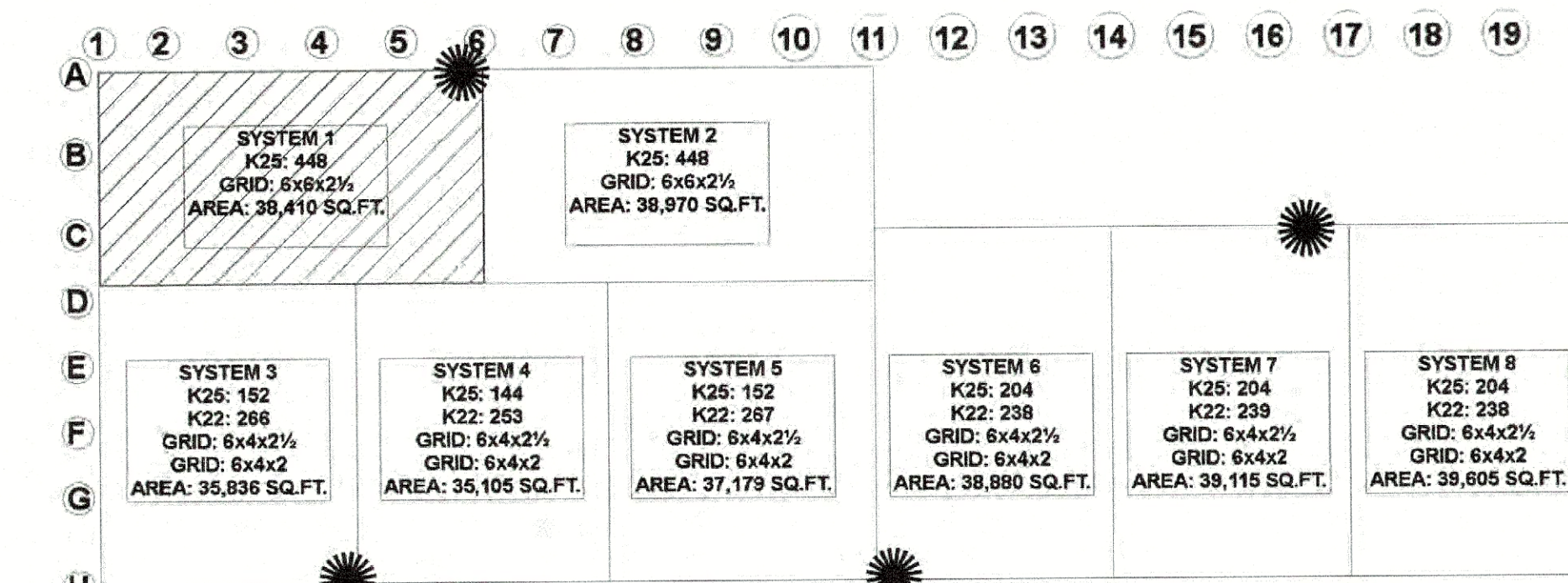
2800 NEWPARK DR. BARBERTON, OHIO 44203	330-708-3040	FAX: 330-861-0850
CLEVELAND: 440-884-9225	COLUMBUS: 614-291-7001	CINCINNATI: 513-874-4268
FREMONT: 419-334-3841	PHILADELPHIA, PA: 856-846-4659	COUNGTOWN: 330-856-4440
MARION: 740-383-6789	WASHINGTON, DC: 410-768-1931	READING, PA: 610-670-3900

LINCOLN EQUITIES SOUTHEAST	NY312 & PUGSLEY RD, BREWSTER, NY 10509
SYSTEM 1 FIRE PROTECTION PLAN	DWG #: 55531092
DATE: 8.23.23	SCALE: 3/32" = 1'-0"
DRAWN BY: JUSTIN BEOUGHIER	JOB #: 55531092
DWG #: 4 OF 9	

SYSTEM 1 FP PLAN
3/32" = 1'-0"
HP: 46'-1 1/4"
LP: 42'-0 1/4"

NOTE:
2 1/2" BRANCH LINES AT 0'8" BELOW TOP OF STEEL U.N.O.
4" MAINS AT 1'-5" BELOW TOP OF STEEL U.N.O.
6" MAINS AT 1'-6" BELOW TOP OF STEEL U.N.O.
8" MAINS AT 1'-6" BELOW TOP OF STEEL U.N.O.

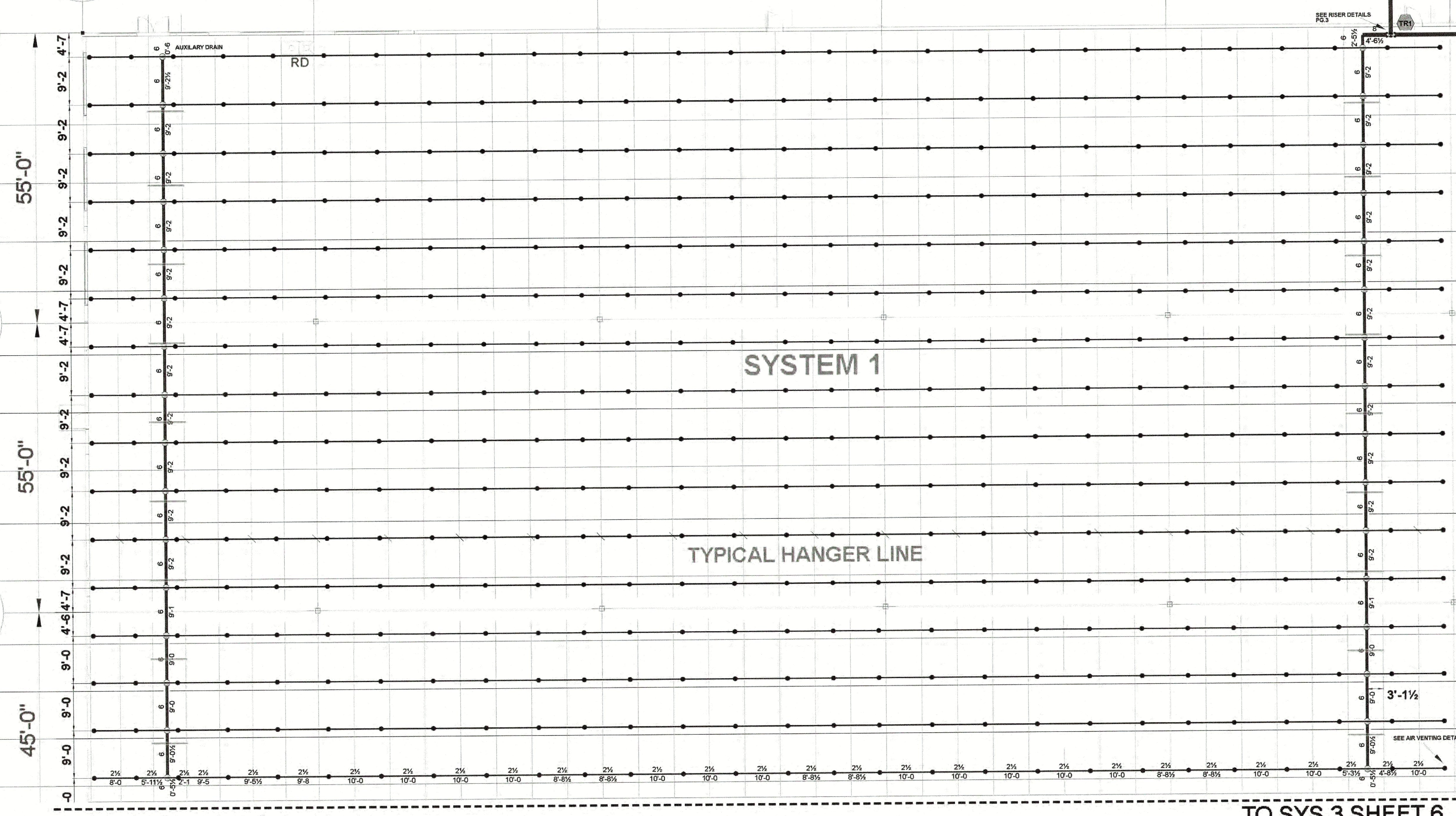
NOTE:
SYSTEM 1 PIPE SIZES BASED OFF SYSTEM 2 HYDRAULIC CALCULATIONS.



KEY PLAN
NO SCALE

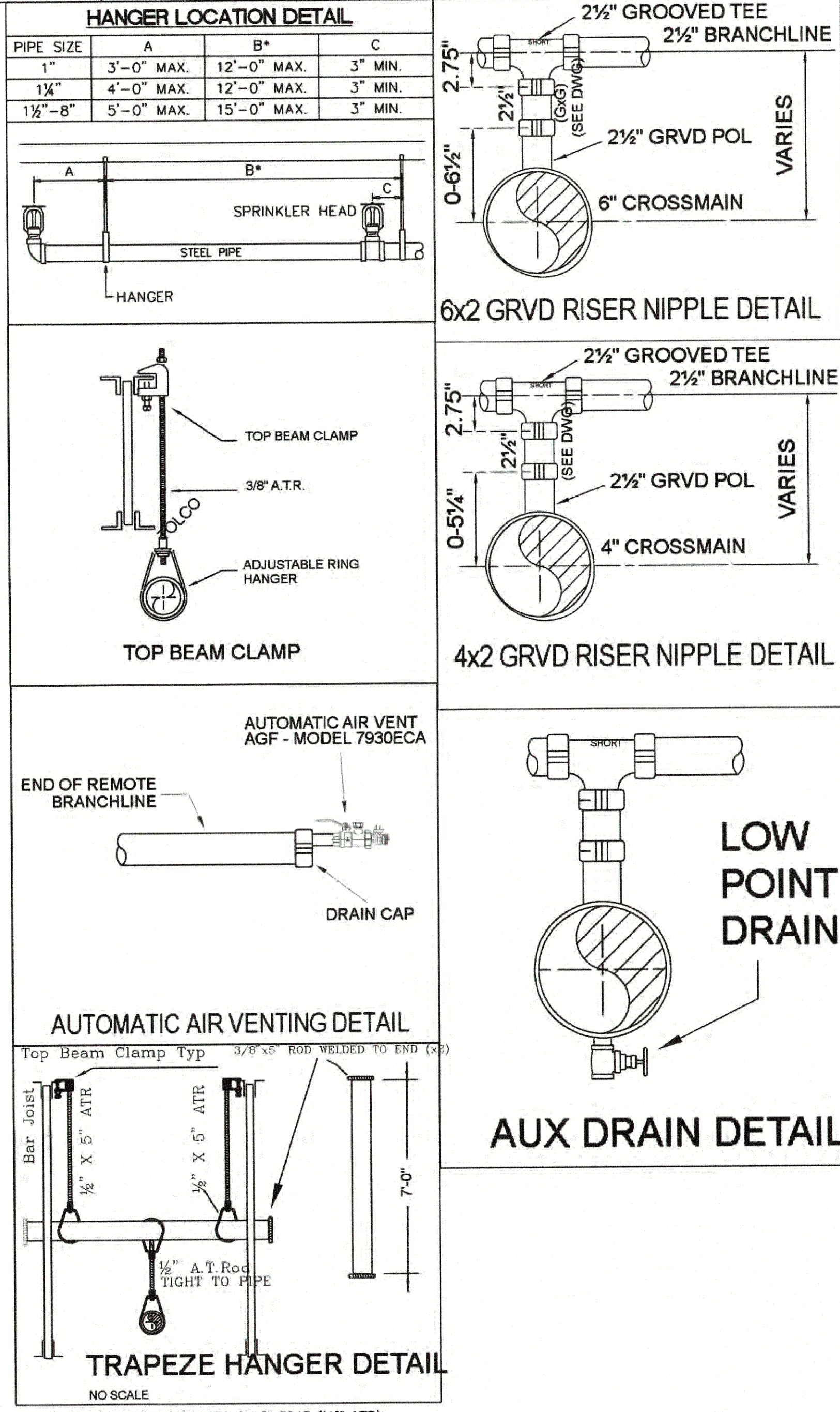
NOTE:
GARAGE DOORS ARE VERTICAL LIFT AND DO NOT REQUIRE SPRINKLER

SCALE 3/32" = 1'-0"



TO SYS 3 SHEET 6

TO SYS 2 SHEET 5



ARCO
DESIGN/BUILD INDUSTRIAL
44 SOUTH BROADWAY, SUITE 1003
WHITE PLAINS, NY 10601
P: 914.921.5535 F: 914.306.8010

ADB I / DESIGN SERVICES
Lincoln Equities Group, LLC
PROJECT TITLE
LINCOLN EQUITIES - NY-131- BLDG A
NY-312 & PUGSLEY RD, SOUTHEAST, NY 10509

ARCHITECT
ADB I / 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.
2800 NEWPARK DRIVE
BARBERTON, OH 44203

SEAL

JOSEPH V. DIGIORGIO | NY: 042848

KEY PLAN

SUBMITTALS

NO. DATE DESCRIPTION

PROJECT NO. AS286-21 | NY131

DRAWN BY KS

SHEET TITLE

SYSTEM 1 FIRE PROTECTION PLAN

SHEET NO.