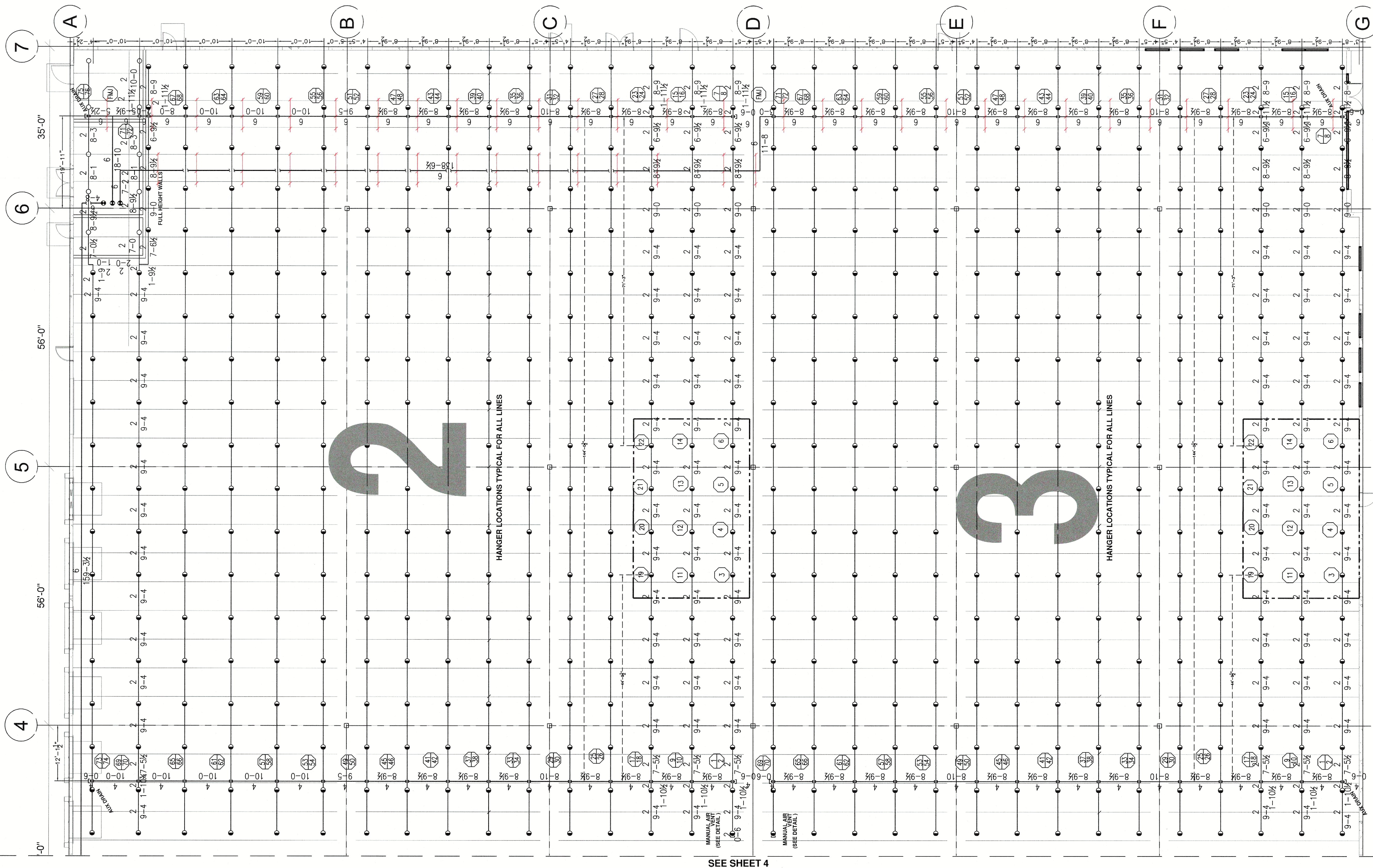




SYSTEMS 2&3
SCALE = 3/32" = 1'-0"

TOP OF STEEL HIGH POINT = 41'-0 1/2" @ COL. D
TOP OF STEEL LOW POINT = 35'-6 1/2" @ COL. A&G

ALL 2" LINES TO BE 8" FROM TOP OF STEEL UNLESS NOTED OTHERWISE
ALL 4" MAINS TO BE 1'-8 1/2" FROM TOP OF STEEL UNLESS NOTED OTHERWISE
ALL 6" MAINS TO BE 1'-9 1/2" FROM TOP OF STEEL UNLESS NOTED OTHERWISE

ALL BAY DOORS ARE VERTICAL LIFT AND DO NOT REQUIRE ADDITIONAL HEADS

STANDARD DRAWING SYMBOLS	TYPICAL HANGER ASSEMBLIES BY NUMBER
○-○ DENOTES CENTERLINE OF PIPE ABOVE FINISH FLOOR ○-○ DENOTES CENTERLINE OF PIPE BELOW TOP OF STEEL ○-○ DENOTES CENTERLINE OF PIPE BELOW BOTTOM OF JOIST ○-○ DENOTES CENTERLINE OF PIPE BELOW BOTTOM OF BEAM ○-○ DENOTES CENTERLINE OF PIPE BELOW THE CEILING ○-○ DENOTES CENTERLINE OF PIPE BELOW THE CEILING ○-○ DENOTES HANGER ○-○ DENOTES HANGER ROD LENGTH ○-○ DENOTES CEILING HEIGHT ○-○ HYDRAULIC CALC. REF. POINT ○-○ GROOVE COUPLING ○-○ GROOVE CHECK VALVE ○-○ FIRE HOSE VALVE CABINET ○-○ HYDRAULIC DATA STICKER	01 TOP BEAM CLAMP (TBC) 02 WIRE MOUTH TOP BEAM CLAMP 03 INVERTED TOP BEAM CLAMP 04 INVERTED WIRE MOUTH TBC 05 TBC w/ CLAVIS RING 06 TBC w/ 12" RETAINING STRAP 07 FIRE HYDRANT 08 ELECTRIC BELL 09 HOSE, RING, NUTS & WASHER 10 CONCRETE/BLT DROP IN ANCHOR 11 HELIX SHOT & STUD 12 SAMMY STR-20 STRAIGHT CONCRETE 13 U-HOOK HANGER 14 STRUT ROD & RING 15 2-PURLIN CLAMP 16 SAMMY STR-75 STRAIGHT LIGHT WEIGHT STEEL 17 SAMMY STR-508 SIDE, HEAVY WEIGHT STEEL

FIRE PROTECTION SPECIFICATIONS

- DO NOT SCALE DRAWINGS(S).
- ALL PIPE NOTED AS: GC-GROOVED END TO CENTER, TO PREVENT SPRINKLER PIPE FROM FREEZING.
- CONTRACTOR SHALL PROVIDE THE OWNER, INSURANCE CO., & THE PROPER CITY OFFICIALS WITH COPIES OF THE MATERIAL & TEST CERTIFICATES.
- DESIGN, INSTALLATION & MATERIALS TO BE PER N.F.P.A. #13 2016
- HANGERS & ATTACHMENTS TO BE U.L. LISTED & SPACING PER N.F.P.A. #13 2016
- ALL NEW PIPING SHALL BE HYDROSTATICALLY TESTED AT 225 PSI FOR 2 HOURS W/ NO VISIBLE SIGN OF LEAKAGE.
- THE OWNER SHALL PROVIDE A MINIMUM OF 4" F TO PREVENT SPRINKLER PIPE FROM FREEZING.
- CONTRACTOR SHALL PROVIDE THE OWNER, INSURANCE CO., & THE PROPER CITY OFFICIALS WITH COPIES OF THE MATERIAL & TEST CERTIFICATES.
- ALL FLOW AND TAMPERS SHALL BE SUPERVISED IN ACCORDANCE WITH NFPA 72. THIS WORK IS TO BE DONE BY OTHERS AND IS NOT PART OF S.A. COMUNALE CONTRACT.

MATERIAL SPECIFICATIONS	REVISIONS
- Note: 1" Pipe is GRID/GRID MAIN/MAIN/LINE - Sch 40 A53 (uno) - Sch 40 A53 Black - Sch 10 Thinwall - Sch 40 Galvanized - Weld-O-Lets Third - Weld-O-Lets Grey - Cast Iron Fittings - Galvanized Fittings - Pipe/Strut/Angle Iron - Can Beads in any brand? - Cops - Number of Welds - Number of Hangers - Hangers Cut Length - Hangers Center to Center - PM Approved Material Only	1. SUPPLY THE FOLLOWING - American Made (Domestic) - Smith-Cooper Fittings - Smith-Cooper Couplings - Firelock Fittings - Firelock Couplings - Standard Vic/Central Flange - Head Wrenches - Sears Head Cabinet - Top Beam Clamps - Concrete Inserts - Sammy Screws - Galvanized Fittings - Pipe/Strut/Angle Iron - Can Beads in any brand? - Cops - Number of Welds - Number of Hangers - Hangers Cut Length - Hangers Center to Center - PM Approved Material Only

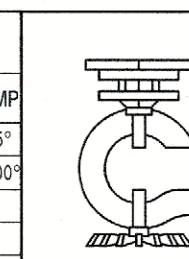
REVISIONS

NO.	DESCRIPTION	BY	DATE
1	RELIABLE P22 BRASS PENDENT ESFR		
2	RELIABLE P22 BRASS PENDENT ESFR		

SPRINKLER LEGEND

SYMBOL	QTY.	DESCRIPTION	SIN#	THD	KC	TEMP
○	589	RELIABLE P22 BRASS PENDENT ESFR	R201	7"	22.4	155°
○	10	RELIABLE P22 BRASS PENDENT ESFR	R202	7"	22.4	155°

HYDROSTATIC TEST TO BE CONDUCTED AT 225 PSI



SEISMIC DESIGN CATEGORY 'B', SEISMIC BRACING NOT REQUIRED

USE GROUP: S-I	CONSTRUCTION TYPE: II-B	AREA OF WORK: 88,200	SQ. FT.
PROJECT NAME: NY145 BROOKFIELD SUFFERN	PROJECT LOCATION: SUFFERN NY	TIM SURMAN PROFESSIONAL ENGINEER NY P.E. LIC. # 107503	SIGNATURE: DATE SIGNED:

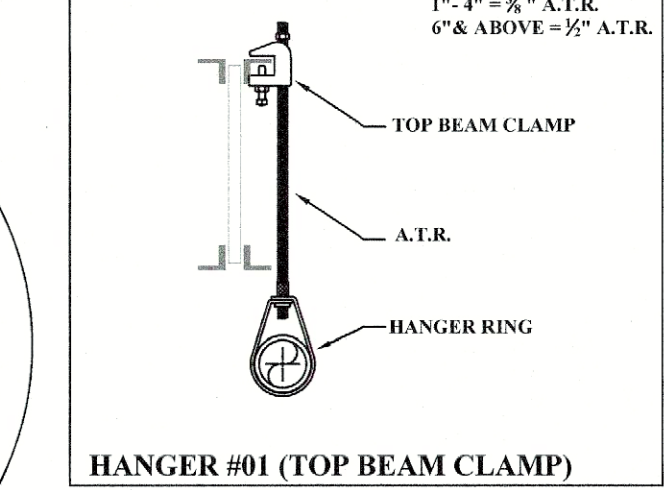
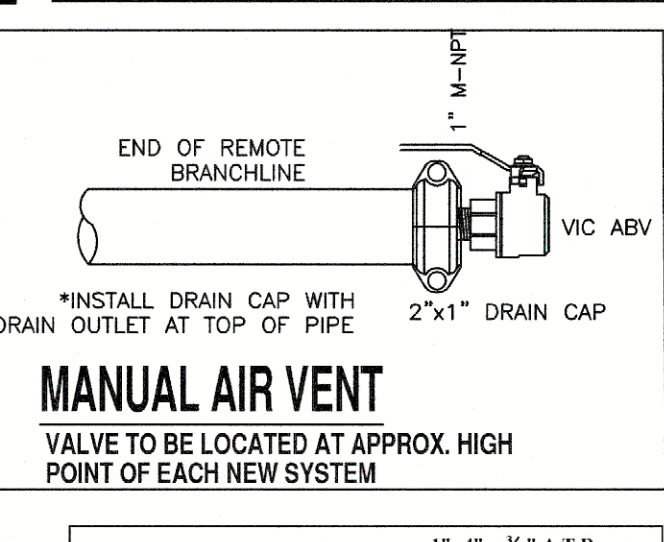
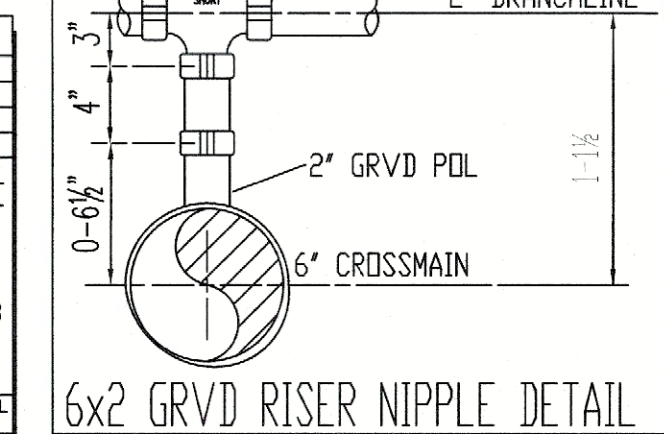
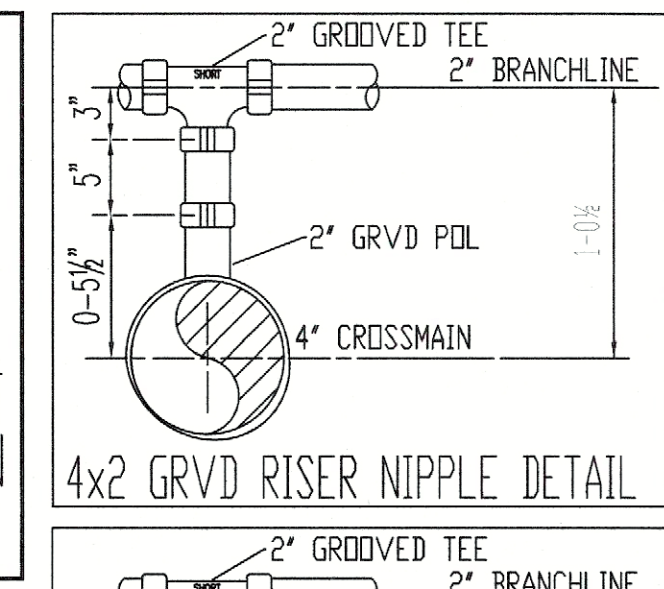
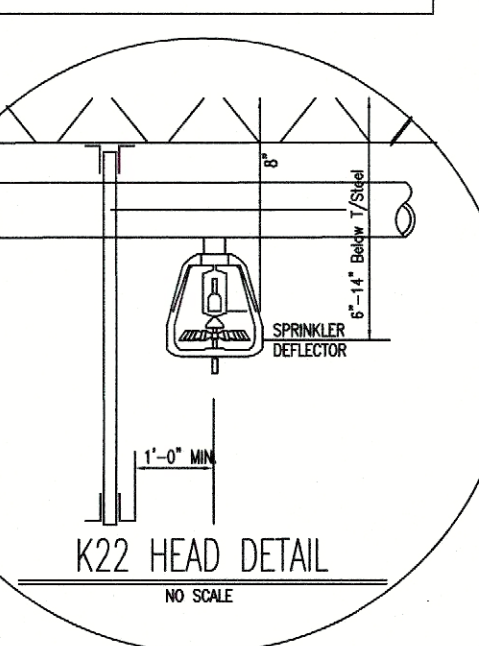
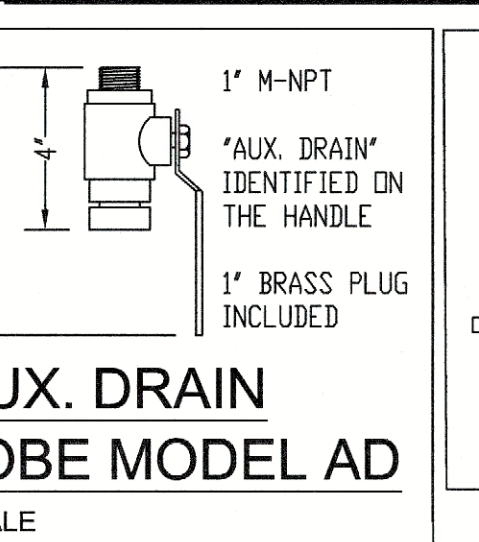
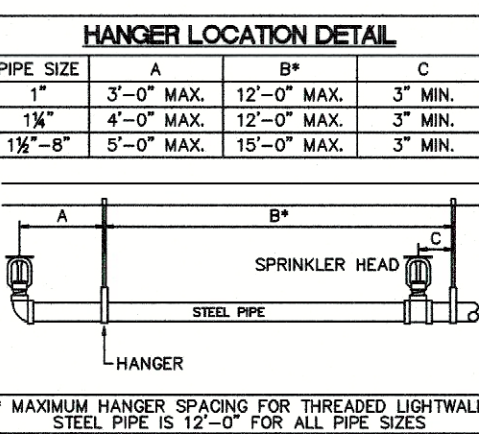
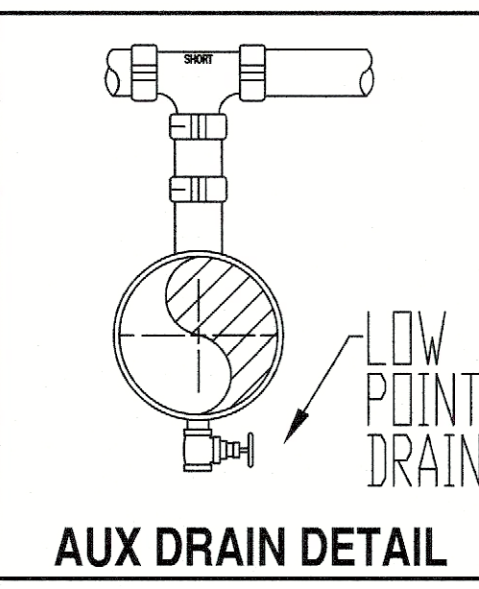
S.A. COMUNALE CO. INC. FIRE PROTECTION CONTRACTORS

2800 NEWARK DR. BARBERTON, OHIO 44203 330-708-3040 FAX: 330-861-0889
CLEVELAND: 440-884-8225 COLUMBUS: 614-591-7001 CINCINNATI: 513-474-6888
PITTSBURGH: 412-334-3841 PHILADELPHIA: PA 656-648-6888 YOUNGSTOWN: 330-656-4440
MARION: 740-383-8789 WASHINGTON, DC 410-768-1931 READING, PA: 610-670-3060

NY145 BROOKFIELD SUFFERN- BUILDING 3
25 OLD MILL, ROAD SUFFERN, NY 20901

ESFR SYSTEMS 2 AND 3

DATE: 01.11.24 SCALE: 3/32" = 1'-0" DRAWN: SARAH CAREW JOB NO: 51718093 DWG. NO: 5 OF 5



HYDRAULIC - SYSTEM
This building is protected by a hydraulically designed Automatic Sprinkler System.
Location: SYSTEM 2
No. of Sprinklers: 12
Basic Or Design: 40 PSI
1. END HEAD PRESSURE: 22.4
2. SPRINKLER K-FACTOR: 22.4
System Demand: 1815 GPM
1. GPM DISCHARGE: 1115 PSI
2. RESIDUAL PRESSURE AT THE BASE OF THE RISER: 1115 PSI
Building Information: CLASS 1-IV, CANTONED UNDERMINER PLASTER, SEE SHEET 1 FOR CRITERIA DETAILS
1. COMMODITY CLASSIFICATION: CLASS 1-IV, CANTONED UNDERMINER PLASTER, SEE SHEET 1 FOR CRITERIA DETAILS
"MUST MAINTAIN 36" FROM DEFLECTOR TO TOP OF STORAGE

