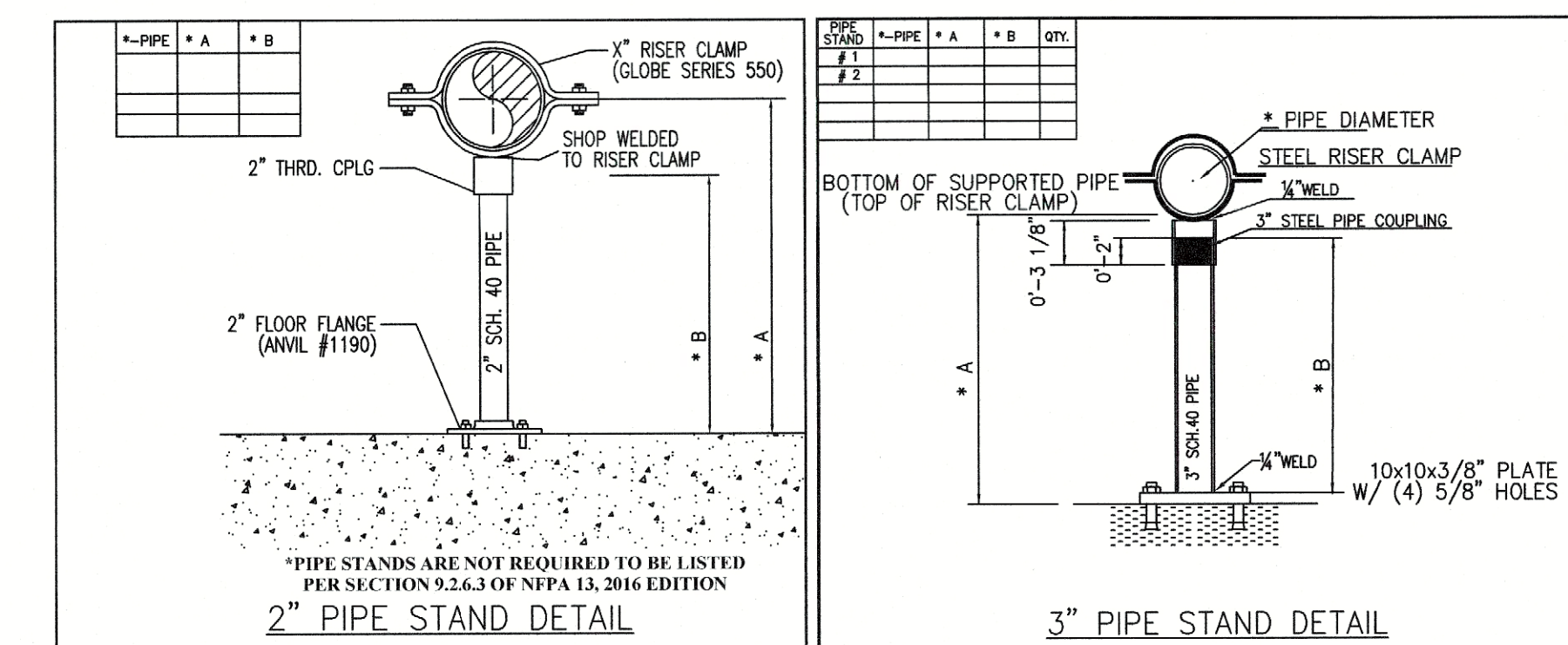
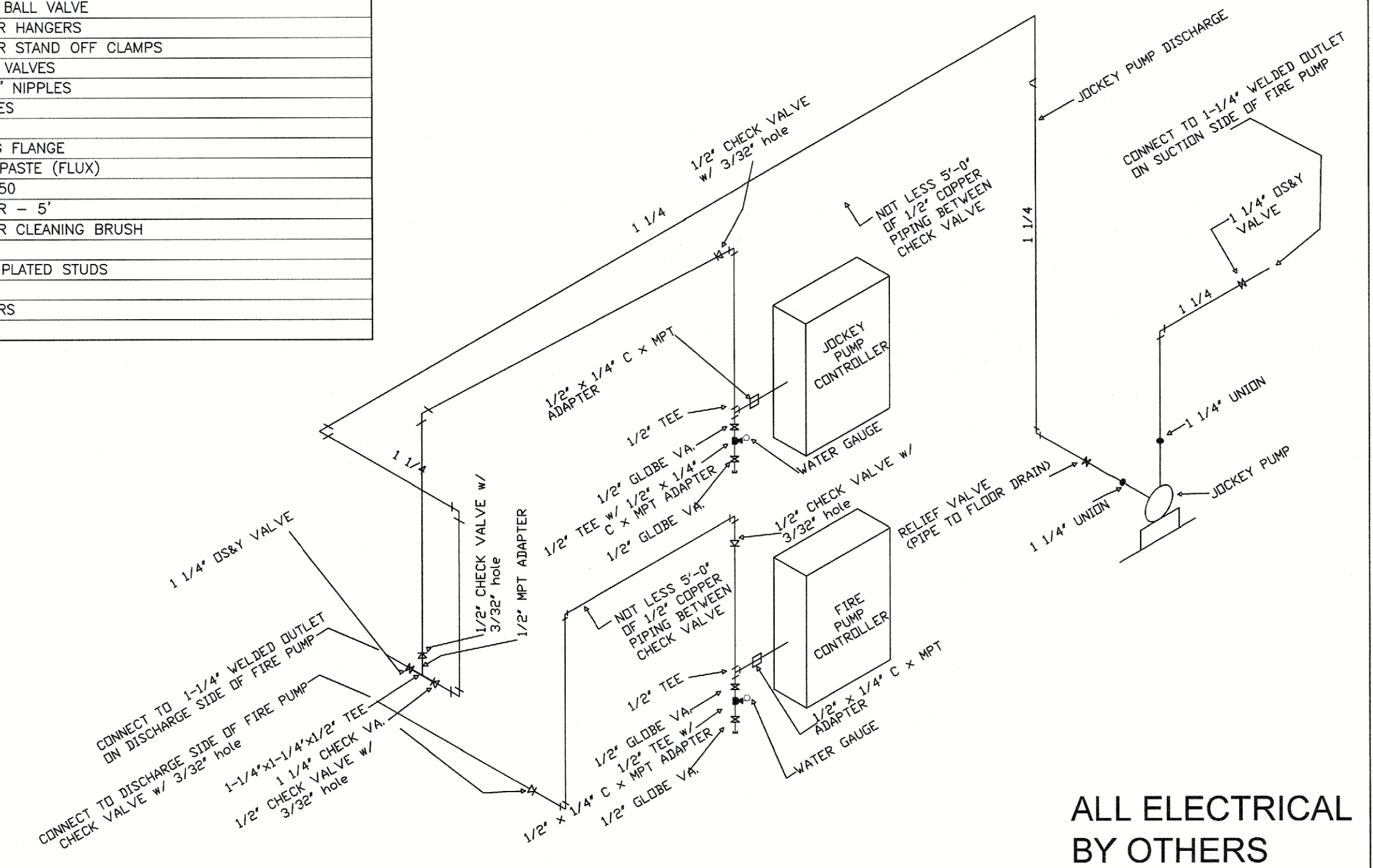


FIRE PUMP MATERIAL LEGEND

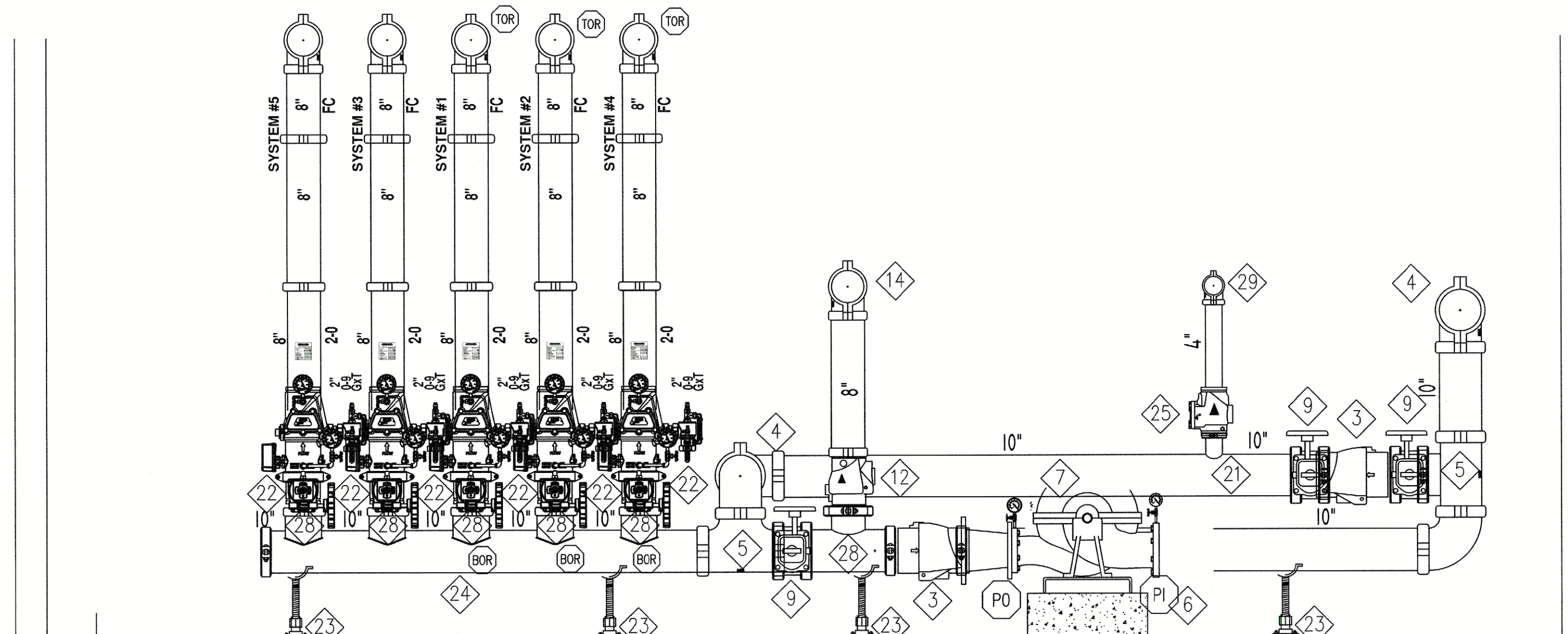
- | | |
|---|--|
| 1 10" UNDERGROUND LEAD-IN | 17 FIRE PUMP TEST HEADER |
| 2 SPARE HEAD CABINET | 18 FIRE PUMP CONTROL PANEL |
| 3 10" VICTAULIC 717 GROOVED CHECK VALVE | 19 JOCKEY PUMP |
| 4 10" VICTAULIC #001 90° ELBOW | 20 JOCKEY PUMP CONTROLLER |
| 5 10" VICTAULIC #002 TEE | 21 4" GROOVED OUTLET TO FDC |
| 6 10" FIVALCO GRXFL GATE VALVE | 22 8" GLOBE UMC RISER ASSEMBLY W/TRIM AND BUTTERFLY |
| 7 ELECTRIC FIRE PUMP 2000 GPM @ 75 PSI | 23 10" PIPE STAND |
| 8 NA | 24 10" HEADER |
| 9 10" VICTAULIC 705 BUTTERFLY VALVE | 25 4" VICTAULIC 717 GROOVED CHECK |
| 10 1 1/4" OUTLET FOR JP SUCTION | 26 10"x8" GROOVED CONCENTRIC REDUCER (COMES WITH PUMP) |
| 11 1 1/4" OUTLET FOR JP DISCHARGE | 27 NA |
| 12 8" VICTAULIC 707C CLOSED BUTTERFLY VALVE | 28 8" GROOVED OUTLET |
| 13 OUTLET FOR AUTO. BALL DRIP | 29 4" VICTAULIC GROOVED ELBOW |
| 14 8" VICTAULIC GROOVED ELBOW | 30 WALL PLATE |
| 15 1" AUXILIARY DRAIN | 31 10" ZURN MODEL 475ST REDUCED PRESSURE BACKFLOW |
| 16 FIRE DEPARTMENT CONNECTION | |

QTY.	DESCRIPTION
6	1/2" x 1/4" C x MPT ADAPTERS
10	1/2" C x MPT ADAPTERS
2	1/2" x 0-4" NIPPLES
6	1/2" COPPER HANGER RINGS
2	1/2" C x FM ADAPTER
12	1/2" COPPER 90
8	1/2" COPPER TEE
4	1/2" CHECK VALVE
6	1/2" COPPER COUPLING
6	1/2" S x S BALL VALVE
8	1/2" COPPER HANGERS
8	1/2" COPPER STAND OFF CLAMPS
4	1/4" 3 WAY VALVES
4	1/4" x 0-2" NIPPLES
4	WATER GAUGES
4	1/4" PLUGS
8	3/8" CEILING FLANGE
1	2 OZ CANS PASTE (FLUX)
1	SOLDER 50/50
1	EMERY PAPER - 5"
1	1/2" COPPER CLEANING BRUSH
6	3/4" HDI
12	3/4" NUTS
12	3/4" WASHERS



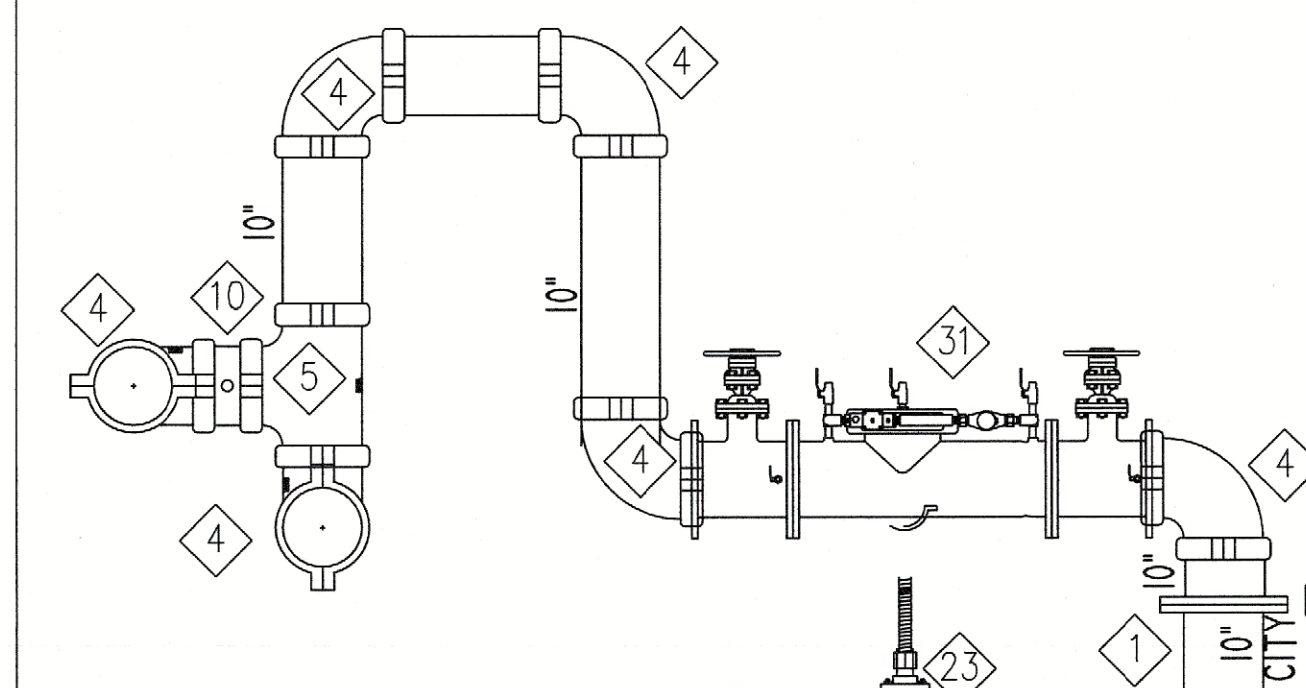
FIRE PUMP PLAN

SCALE = 1/2" - 1'-0"



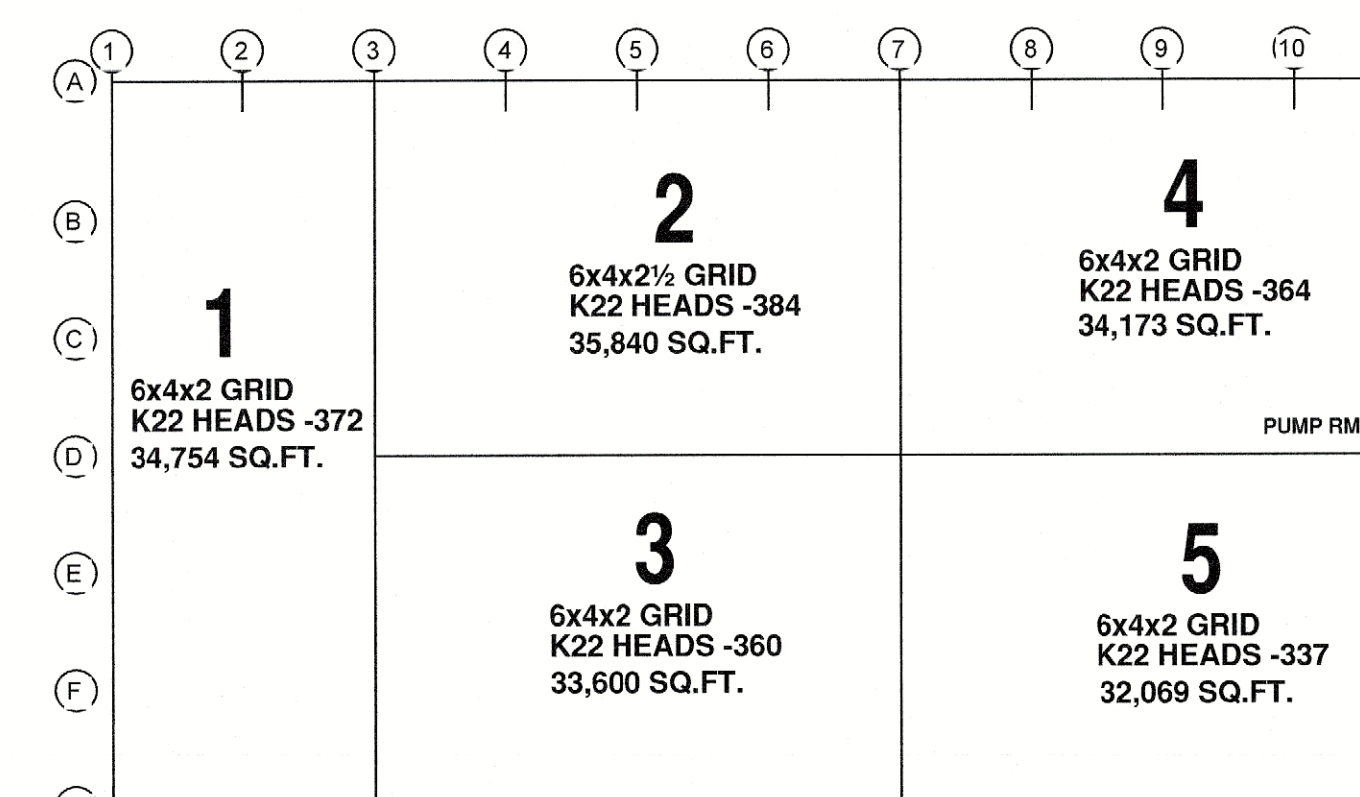
PUMP SECTION VIEW

SCALE = 1/2" - 1'-0"



BACKFLOW SECTION VIEW

SCALE = 1/2" - 1'-0"



KEY PLAN
NOT TO SCALE

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: 170,500 SQ.FT.
PROJECT NAME: NY145 BROOKFIELD SUFFERN
PROJECT LOCATION: SUFFERN NY
TIM SURMAN
PROFESSIONAL ENGINEER
NY PE LIC.# 107503
SIGNATURE: [Signature]
DATE SIGNED: [Date]

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

2800 NEWARK DR BARBERTON, OHIO 44203 330-706-3040 FAX: 330-861-0660
CLEVELAND: 440-884-8325 COLUMBUS: 614-291-7001 CINCINNATI: 513-874-4268
PERRIN: 419-384-3841 PHILADELPHIA, PA: 856-848-8868 YOUNGSTOWN: 330-856-4440
MARION 740-385-6789 WASHINGTON, DC 410-708-1551 READING, PA: 610-670-3900

NY154 BROOKFIELD SUFFERN- BUILDING 2
25 OLD MILL, ROAD SUFFERN, NY 20901

PUMP ROOM
DATE: 01.11.24 SCALE: 3/32" = 1'-0" DRAWN: SARAH CAREW JOB NO: 51718093 DWG. NO: 3 OF 6

STANDARD DRAWING SYMBOLS	TYPICAL HANGER ASSEMBLIES BY NUMBER
0-0 DENOTES CENTERLINE OF PIPE ABOVE FINISH FLOOR	01 TOP BEAM CLAMP (TBC)
0-1 DENOTES CENTERLINE OF PIPE BELOW TOP OF STEEL	02A SAMMY SW-20 SIDE CONCRETE
0-2 DENOTES CENTERLINE OF PIPE BELOW BOTTOM OF JOIST	03 SAMMY CST-20 STRAIGHT WOOD
0-3 DENOTES CENTERLINE OF PIPE BELOW BOTTOM OF BEAM	04A SAMMY SW-20 SIDE WOOD
0-4 DENOTES CENTERLINE OF PIPE BELOW THE CEILING	05 INVERTED WIDE MOUTH TBC
0-5 DENOTES CENTERLINE OF PIPE BELOW THE CEILING	06 TBC w/ 1" RETAINING STRAP
0-6 DENOTES CENTERLINE OF PIPE BELOW THE CEILING	07 TBC w/ 1" RETAINING STRAP
0-7 DENOTES CENTERLINE OF PIPE BELOW THE CEILING	08 TBC w/ 1" RETAINING STRAP
0-8 DENOTES CENTERLINE OF PIPE BELOW THE CEILING	09 TBC w/ 1" RETAINING STRAP
0-9 DENOTES CENTERLINE OF PIPE BELOW THE CEILING	10 TBC w/ 1" RETAINING STRAP
0-10 DENOTES CENTERLINE OF PIPE BELOW THE CEILING	11A FIRE SOCKET
0-11 DENOTES CENTERLINE OF PIPE BELOW THE CEILING	12
0-12 DENOTES CENTERLINE OF PIPE BELOW THE CEILING	13A U-BRACK HANGER
0-13 DENOTES CENTERLINE OF PIPE BELOW THE CEILING	14 TROUT NUT, ROD & RING
0-14 DENOTES CENTERLINE OF PIPE BELOW THE CEILING	15
0-15 DENOTES CENTERLINE OF PIPE BELOW THE CEILING	16 12-PURLIN CLAMP
0-16 DENOTES CENTERLINE OF PIPE BELOW THE CEILING	17 SAMMY DISTRYS STRAIGHT LIGHT WEIGHT STEEL
0-17 DENOTES CENTERLINE OF PIPE BELOW THE CEILING	18 SAMMY SWB-016 SIDE, HEAVY WEIGHT STEEL
0-18 DENOTES CENTERLINE OF PIPE BELOW THE CEILING	19
0-19 DENOTES CENTERLINE OF PIPE BELOW THE CEILING	20

FIRE PROTECTION SPECIFICATIONS
1. DO NOT SCALE DRAWING(S).
2. ALL PIPE NOTED AS: GC-GROOVED END TO CENTER, TO PREVENT SPRINKLER PIPE FROM FREEZING.
3. DESIGN, INSTALLATION & MATERIALS TO BE PER N.F.P.A. #20 2016
4. HANGERS & ATTACHMENTS TO BE U.L. LISTED & SPACING PER N.F.P.A. #20 2016
5. ALL NEW PIPING SHALL BE HYDROSTATICALLY TESTED AT 225 PSI FOR 2 HOURS W/ NO VISIBLE SIGN OF LEAKAGE.
6. THE OWNER SHALL PROVIDE A MINIMUM OF 40' F TO PREVENT SPRINKLER PIPE FROM FREEZING.
7. CONTRACTOR SHALL PROVIDE THE OWNER, INSURANCE CO., & THE PROPER CITY OFFICIALS WITH COPIES OF THE MATERIAL & TEST CERTIFICATES.
8. ALL FLOW AND TAPERS SHALL BE SUPERIMPOSED IN ACCORDANCE WITH N.F.P.A. #20 2016. THIS WORK IS TO BE DONE BY OTHERS AND IS NOT PART OF S.A. COMUNALE CONTRACT.

MATERIAL SPECIFICATIONS
Note: 1" Pipe is Sch. 40 A53 (uno)
Sch. 40 A53 Black
Sch. 10 Thinwall
Sch. 40 Galvanized
Sch. 10 Galvanized
Weld-O-Lets Thrd
Weld-O-Lets Grv
Weld-O-Lets Buff
Cast Iron Fittings
Galvanized Fittings
Pipe/Strut/Angle Iron
Can Heads be any brand?
Fit Fittings
Hangers cut Length
Hangers Center to Center
PM Approved Material Only

REVISIONS			
NO.	DESCRIPTION	BY	

SPRINKLER LEGEND						
DATE	SYMBOL	QTY.	DESCRIPTION	SIN#	THD	K=
	☒		RELIABLE P22 BRASS PENDENT ESFR	P60	P	22.4