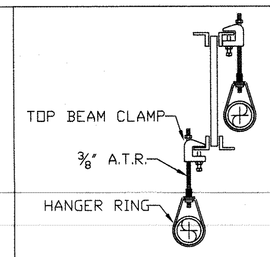
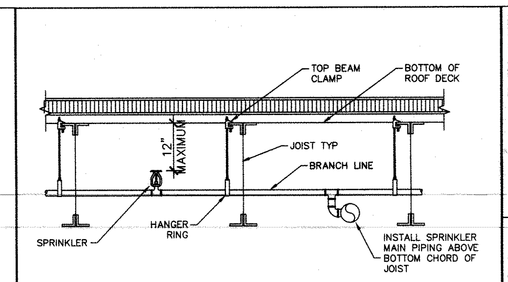
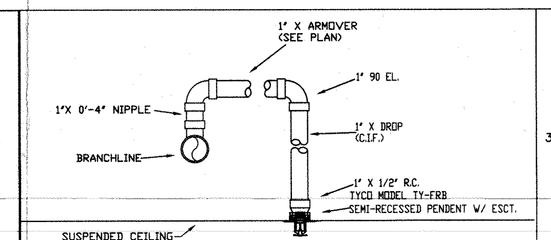


TOP BEAM CLAMP



TYP. UPRIGHT SPRINKLER ARRANGEMENT

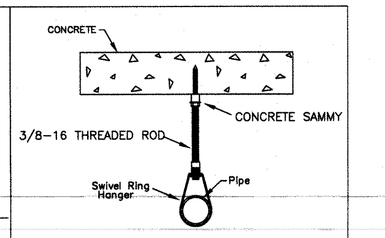


ELEVATION VIEW

*ALL ARM OVERS EXCEEDING 2'-0" IN LENGTH TO BE SUPPORTED BY HANGER

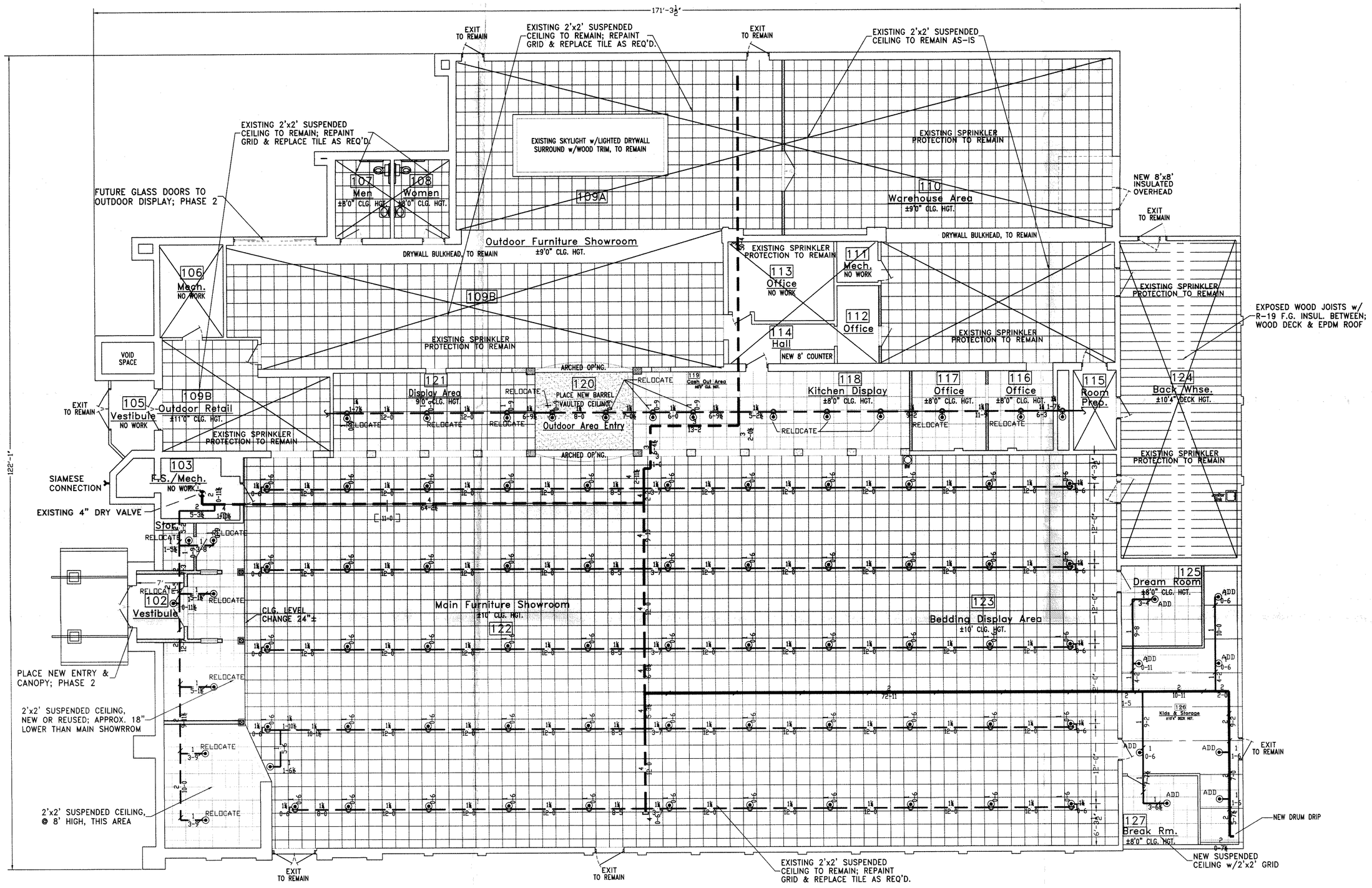
PLAN VIEW

TYP. RETURN BEND ASSEMBLY

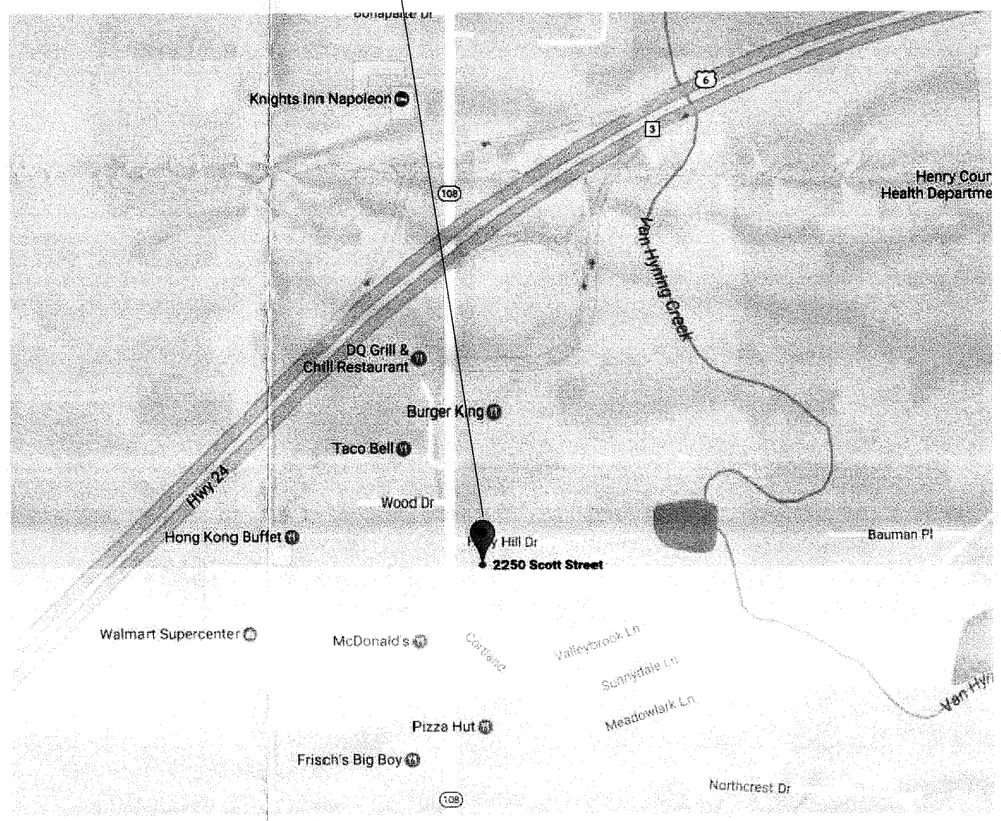


SAMMY SCREW - CONCRETE

SCOPE OF WORK:
ADD AND RELOCATE SPRINKLER HEADS AS SHOWN ON PLAN FOR NEW RENOVATION.
18 SPRINKLER HEADS TO BE RELOCATED, 8 SPRINKLER HEADS TO BE ADDED.
NEW SPRINKLER HEADS AND PIPING TO MATCH EXISTING



AREA OF WORK



MAP
NTS

FIRE PROTECTION PLAN
1/8" = 1'-0"

DENOTES EXISTING PIPING

DENOTES NEW PIPING

USE GROUP: B
CONSTRUCTION TYPE: COMB
AREA OF WORK: 2500 SQ.FT.

MIKE THOMAS
OH CERT. # 5027

Mike Thomas

STANDARD DRAWING SYMBOLS			
[0-0]	DENOTES CENTERLINE OF PIPE ABOVE FINISH FLOOR.		FIRE HOSE VALVE
[0 BW]	DENOTES CENTERLINE OF PIPE BELOW TOP OF STEEL.		FIRE HYDRANT
[0 BJ]	DENOTES CENTERLINE OF PIPE BELOW BOTTOM OF JOIST.		ELECTRIC BELL
[0 BS]	DENOTES CENTERLINE OF PIPE BELOW BOTTOM OF BEAM.		HYDRAULIC CALC. REF. POINT
[0 CLG]	DENOTES CENTERLINE OF PIPE BELOW THE CEILING.		RISER
	DENOTES HANGER		FLOW SWITCH
	DENOTES HANGER ROD LENGTH		GROOVE CHECK VA.
	DENOTES CEILING HEIGHT		FIRE DEPT. CONN.
	HYDRAULIC CALC. REF. POINT		AUXILIARY DRAIN
	GROOVE COUPLING		PRESSURE GAUGE
	GROOVE CHECK VA.		FIRE HOSE VALVE CABINET
	FIRE HOSE VALVE CABINET		HYDRAULIC DATA STICKER

TYPICAL HANGER ASSEMBLIES BY NUMBER			
01	TOP BEAM CLAMP (TBC)	08A	SAMMY SWC-20 SIDE CONCRETE
01A	WIDE MOUTH TOP BEAM CLAMP	09	SAMMY CST-20 STRAIGHT WOOD
01B	INVERTED TOP BEAM CLAMP	09A	SAMMY SWC-20 SIDE WOOD
01C	INVERTED WIDE MOUTH TBC	10	
01D	TBC w/CLEVIS RING	10B	SAMMY SWDR-516 SIDE STEEL
01E	TBC w/ 8' RETAINING STRAP	11A	EYE SOCKET
01S	TBC w/ 12" RETAINING STRAP	12	
04	ROD, RING	13A	U-HOOK HANGER
04A	ROD, RING, NUTS & WASHER	14	STRUT NUT, ROD & RING
04C	CLEVIS HANGER w/ROD	15	
06	CONCRETE/DRILL DROP IN ANCHOR	16	Z-PURLIN CLAMP
07	DRILL SHOT & STUD	17	SAMMY SSTR.75 STRAIGHT LIGHT WEIGHT STEEL
08	SAMMY CST-20 STRAIGHT CONCRETE	18	SAMMY SWDR.516 SIDE HEAVY WEIGHT STEEL

FIRE PROTECTION SPECIFICATIONS

1. DO NOT SCALE DRAWING(S).
2. ALL PIPE NOTED AS: GC=GROOVED END TO CENTER, GG = GROOVED END TO GROOVED END; INDICATES ACTUAL PIPE "CUT" LENGTHS. (U.O.N.)
3. DESIGN, INSTALLATION & MATERIALS TO BE PER N.F.P.A. #13
4. HANGERS & ATTACHMENTS TO BE U.L. LISTED & SPACING PER N.F.P.A. #13.
5. ALL NEW PIPING SHALL BE HYDROSTATICALLY TESTED AT 200 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 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					
Note:1" Pipe is Sch 40 A53 (uno)	GRID/MAIN	GRID/LINE	MAIN/LINES	SUPPLY THE FOLLOWING	Yes/No
Sch 40 A53 Black			X	American Made (Domestic)	NO
Sch 10 Thinwall		X	X	Smith-Cooper Fittings	NO
Sch. 7				Smith-Cooper Couplings	NO
Sch. 40 Galvanized				Pirelock Fittings	YES
Sch 10 Galvanized				Pirelock Couplings	YES
Weld-O-Lets Thrd			X	Standard Vic/Gentri Pigs	NO
Weld-O-Lets Grv			X	Head Wrenches	YES
Weld-O-Lets Buff				Spare Head Cabinet	YES
Cast Iron Fittings			X	Top Beam Clamps	YES
Galvanized Fittings				Concrete Inserts	YES
Malleable Figs 150#				Sammy Screws	NO
Malleable Figs 300#				Pipe/Strut/Angle Iron	YES
Cpvc				Can Heads be any brand?	NO
Number of Welds				Pit Fittings	NO
Cut Lengths				Hangers Cut Length	NO
Center to Center		X	X	Hangers Center to Center	YES
				FM Approved Material Only	NO

REVISIONS			
NO.	DESCRIPTION	BY	DATE

SPRINKLER LEGEND							
SYMBOL	QTY.	DESCRIPTION	SIN#	THD	K=	TEMP
	26	TYCO DS-1 CHROME DRY PENDENT	TY3250	1"	5.6	155
	26	TOTAL SPRINKLERS THIS DRAWING	26	TOTAL SPRINKLERS ON ENTIRE PROJECT		

S.A. COMUNALE CO. INC.
FIRE PROTECTION CONTRACTORS
2900 NEWPARK DR BARBERTON, OHIO 44203 330-706-3040 FAX: 330-861-3860
CLEVELAND: 440-684-9325 COLUMBUS: 614-291-7001 CINCINNATI: 513-874-4260
FREMONT: 419-334-3841 PHILADELPHIA, PA: 856-848-4666 YOUNGSTOWN: 330-856-4440
MARION 740-383-6789 WASHINGTON, DC 410-768-1931 READING, PA: 610-670-3960

HERRON'S OAK FURNITURE
2250 SCOTT ST. NAPOLEON, OHIO 43545
FIRE PROTECTIN PLAN

DATE	SCALE	DRAWN	JOB NO.	DWG. NO.
3-27-17	1/8" = 1'-0"	M. THOMAS	WT649408	FPI