

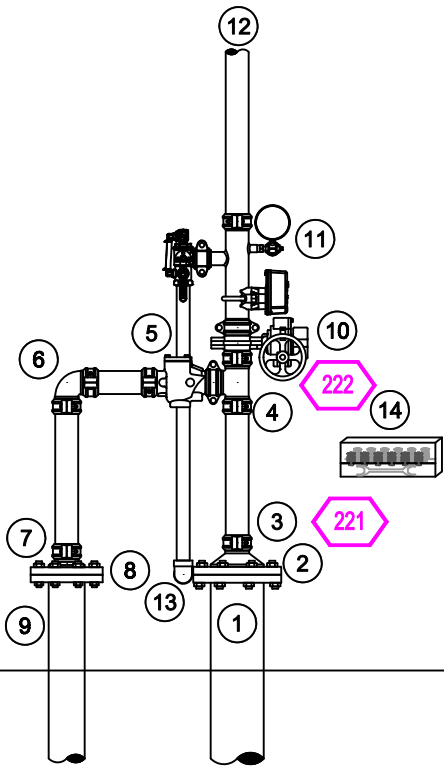
GENERAL NOTES

- INDIANA BUILDING CODE (2014)
 - OCCUPANCY-ASSEMBLY TYPE A-2; DINING AND DRINKING
 - TYPE OF CONSTRUCTION-V-B (UNPROTECTED COMBUSTIBLE CONSTRUCTION)
 - SPRINKLERED AREAS (APPROXIMATE - SEE ARCHITECTURAL PLANS FOR ACTUAL)

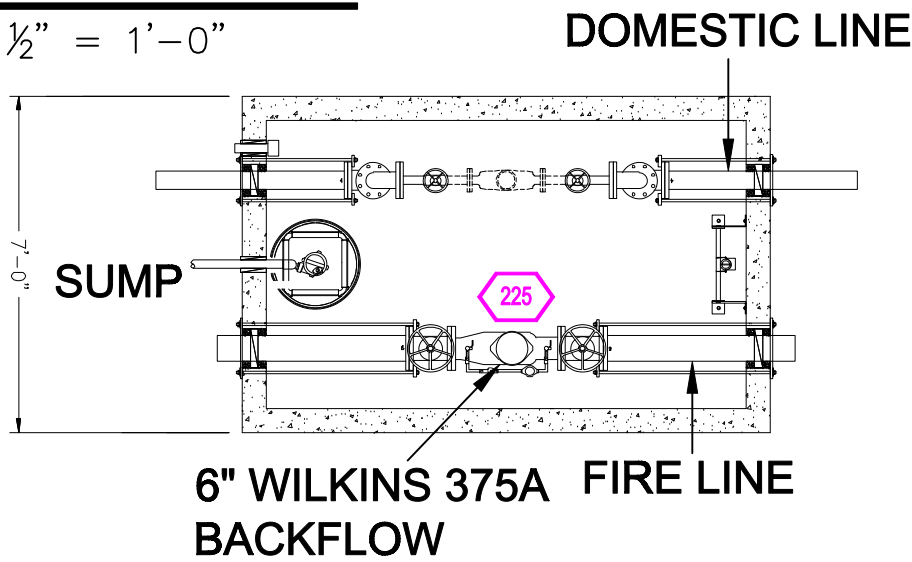
1ST FLOOR	= 4,852 S.F.
CONCEALED SPACE	= 4,852 S.F.
TOTAL	= 9,704 S.F.
- INSTALLATION STANDARDS: SPRINKLER SYSTEM DESIGNED AND INSTALLED PER NFPA-13 (2010)
- SPRINKLER PIPE TYPES:
 - 1" BRANCH LINES TO BE BLK SCHEDULE 40 PIPING WITH THREADED FITTINGS
 - 1 1/2" THROUGH 2 1/2" MAIN & BRANCH LINES TO BE BLK SCHEDULE 10 PIPING WITH GROOVED FITTINGS
- DESIGN CRITERIA
 - LIGHT HAZARD AREAS: RESTROOMS, DINING ROOM, VESTIBULES, OFFICES, PLAY ROOM DESIGNED TO DELIVER 0.10 GPM/S.F. OVER THE MOST DEMANDING 1500 S.F.
 - ORDINARY HAZARD GROUP 1 AREAS: KITCHEN, TECH ROOM, RISER ROOM DESIGNED TO DELIVER 0.15 GPM/S.F. OVER THE MOST DEMANDING 1500 S.F.
 - REMOTE AREA REDUCTIONS HAVE BEEN TAKEN WHERE APPLICABLE PER NFPA 13 SEC. 11.2.3.2.3
- NOTES:
 - ALL MATERIAL TO BE NEW AND MEET U.L. STANDARDS
 - HANGERS TO BE INSTALLED IN ACCORDANCE WITH NFPA 13 (2010) - SEE PLAN FOR HANGING REQ.
- SYMBOLS USED ON DRAWINGS:
 - PIPE ELEVATION A.F.F.
 - PIPE ELEVATION BELOW B.O.D
 - ROOM HAZARD CLASSIFICATION (ALL ROOMS ARE CONSIDERED LIGHT HAZARD UNLESS NOTED)
 - HYDRAULIC CALCULATION JUNCTION POINT
 - CEILING HEIGHT
 - HEAD CAGE
- SCOPE OF WORK:
 - ALL AREAS OF THE BUILDING IN ACCORDANCE WITH THE LOCAL AUTHORITY HAVING JURISDICTION AND PER NFPA 13 (2010)

RISER LEGEND

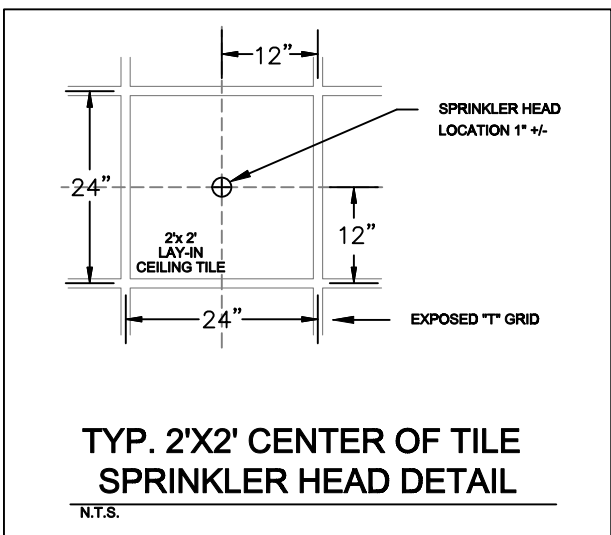
- 6" UNDERGROUND WATER SERVICE (BY OTHERS) (FLUSHING & TESTING OF THE UNDERGROUND SHALL BE COMPLETED PRIOR TO THE SPRINKLER SYSTEM HOOKUP. UNDERGROUND PAPERS ARE TO BE SUPPLIED TO THE "FP" CONTRACTOR BY THE G.C.)
- 6" FLANGED/GROOVED ADAPTOR
- 6"x2 1/2" GROOVED CONCENTRIC REDUCER
- 2 1/2" GROOVED TEE
- 2 1/2" GROOVED CHECK VALVE
- 2-1/2" GROOVED 90
- 4"x2 1/2" GROOVED CONCENTRIC REDUCER
- 4" FLANGED/GROOVED ADAPTOR
- 4" TO REMOTE FDC
- 2 1/2" GROOVED BUTTERFLY VALVE
- 2 1/2" GROOVED COMMERCIAL RISER MANIFOLD w/ FLOW SWITCH, PRESSURE GAUGE, & TEST AND DRAIN w/ PRV
- 2 1/2" TO SYSTEM
- 1 1/2" MAIN DRAIN PIPED TO OUTSIDE
- HEAD BOX AND SPARE HEAD WRENCH



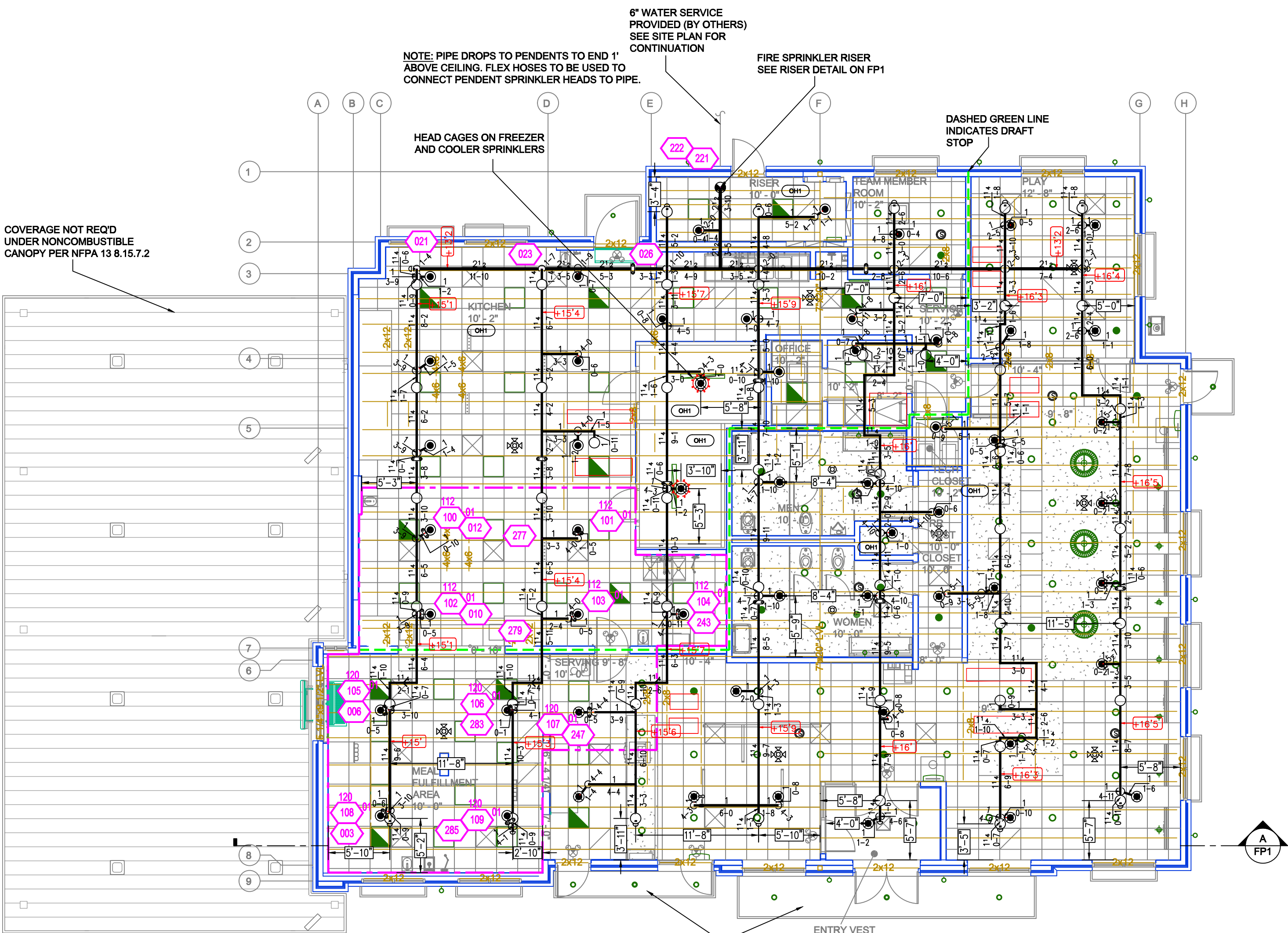
1 RISER DETAIL SCALE: 1/2" = 1'-0"



BACKFLOW VAULT DETAIL (BY OTHERS) SCALE: 1/4" = 1'-0"



INSTALLATION DETAILS



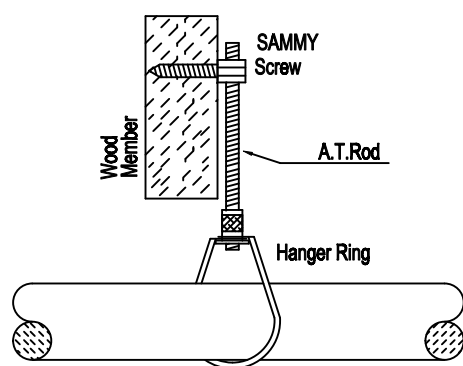
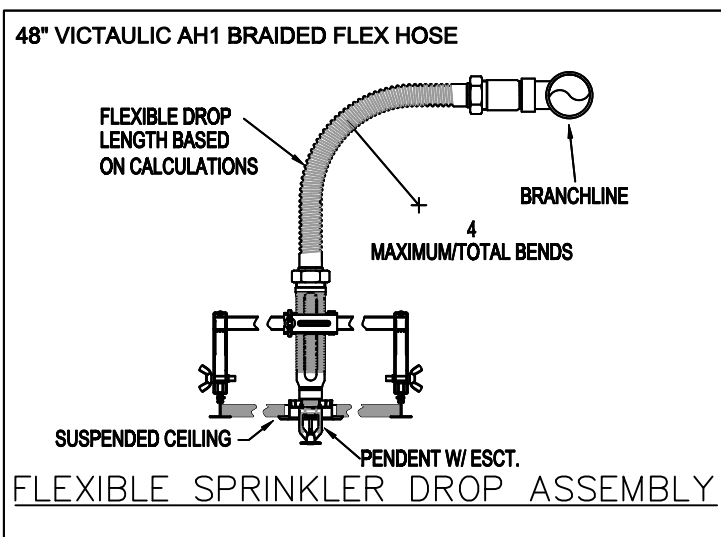
FLOOR PLAN SCALE: 1/8" = 1'-0"

CALC PLACARD

Design Area # 1 HAZARD: OH I
Zone: 1 System Type: Wet
Location: Kitchen

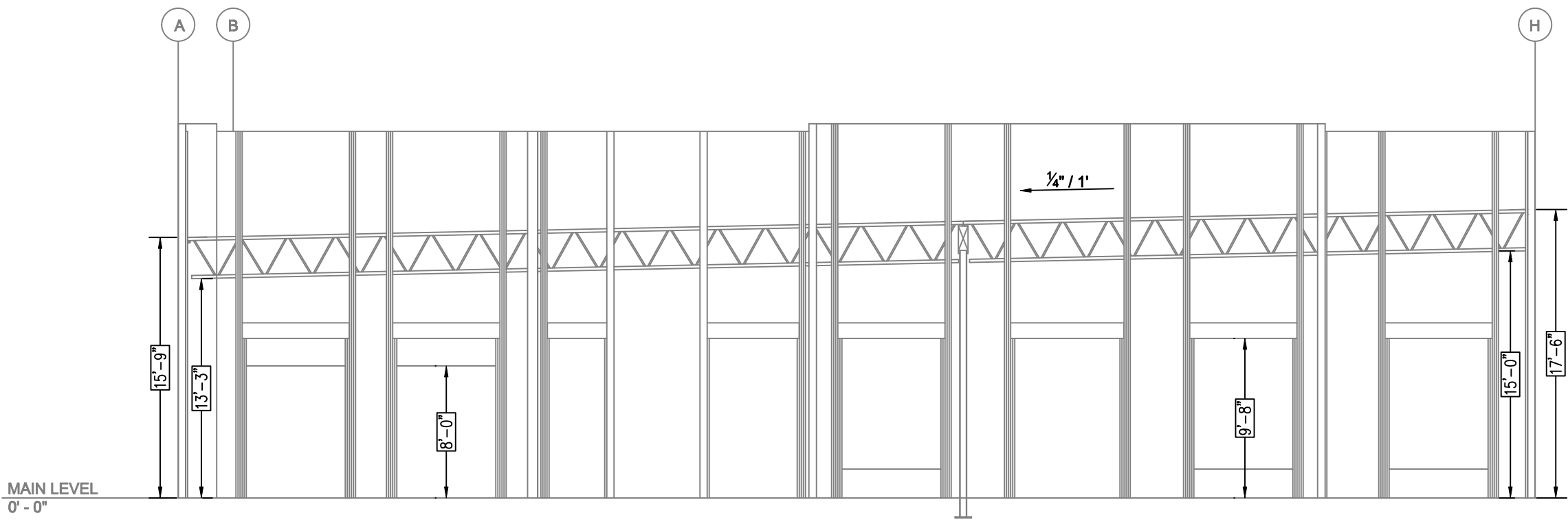
Flowing Outlets: 10
Density: 0.15 Remote Area: 1009
Flow: 443.1 gpm @ 56.5 psi
Calculation Safety: 13.1 psi
Includes 250 gpm Hose allowance

NOTE:
1500 S.F. REDUCED BY 30.75% TO 994 S.F.
PER NFPA-13 FIG. 11.2.3.2.3.1 DUE TO THE
USE OF QUICK RESPONSE SPRINKLERS
AND A 10'-2" CEILING HEIGHT.



HANGER DETAILS

NFPA 13 STEEL PIPE HANGER SPACING (EXCEPT LIGHT WALL THRD PIPING)						
NOMINAL SIZE Inches						MAX SPACING feet
1"						12'-0"
1-1/4"						12'-0"
1-1/2"						15'-0"
2"						15'-0"
2-1/2"						15'-0"
3"						15'-0"
4" & LARGER						15'-0"



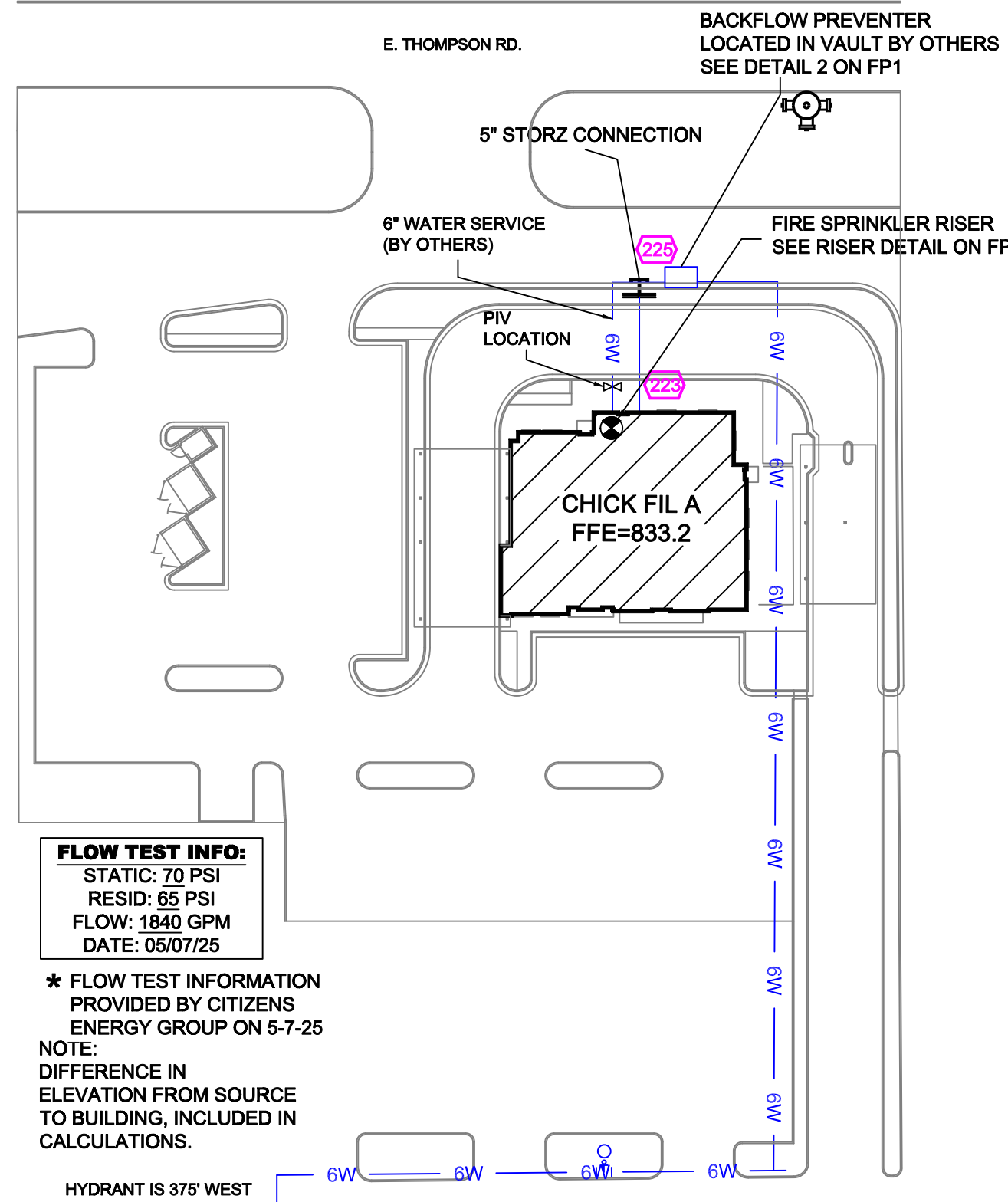
A BUILDING SECTION SCALE: 1/8" = 1'-0"

PIPE LEGEND

BLACK STEEL FIRE SPRINKLER PIPING

SYM	CNT	POSITION	FINISH	TEMP	K	NPT	SIN	MFG.	MODEL#	ESCUTCHEON	MAX SPACING
25		PENDENT	WHITE	200	5.60	1/2"	TY323	TYco	TY-FRB	SEMI-RECESS	LH: 225 SF, OH: 130 SF
27		PENDENT	WHITE	200	5.60	1/2"	TY3531	TYco	RFII	CONCEALED	LH: 225 SF
2		PENDENT	WHITE	200	5.60	1"	TY3255	TYco	DS-1	STANDARD	OH: 130 SF
51		UPRIGHT	BRASS	200	5.60	1/2"	TY313	TYco	TY-FRB	NONE	LH: 130 SF
105		TOTAL SPK.									

SPRINKLER HEAD LEGEND



FLOW TEST INFO:
STATIC: 70 PSI
RESID: 65 PSI
FLOW: 1840 GPM
DATE: 05/07/25

* FLOW TEST INFORMATION
PROVIDED BY CITIZENS
ENERGY GROUP ON 5-7-25

NOTE:
DIFFERENCE IN
ELEVATION FROM SOURCE
TO BUILDING, INCLUDED IN
CALCULATIONS.

HYDRANT IS 375' WEST
ON EMERSON AVE.

SITE PLAN SCALE: 1" = 50'-0"

CHICK FIL A BEECHGROVE
5151 E THOMPSON RD. INDIANAPOLIS, IN. 46237
SPRINKLER PLAN

NORTH

DESIGNER JF
SCALE 1/8" = 1'-0"
CHECK BY JGB
FILE NUMBER
APPROVAL STATE & LOCAL
DATE 10-19-10
DRAWING NO. FP-1