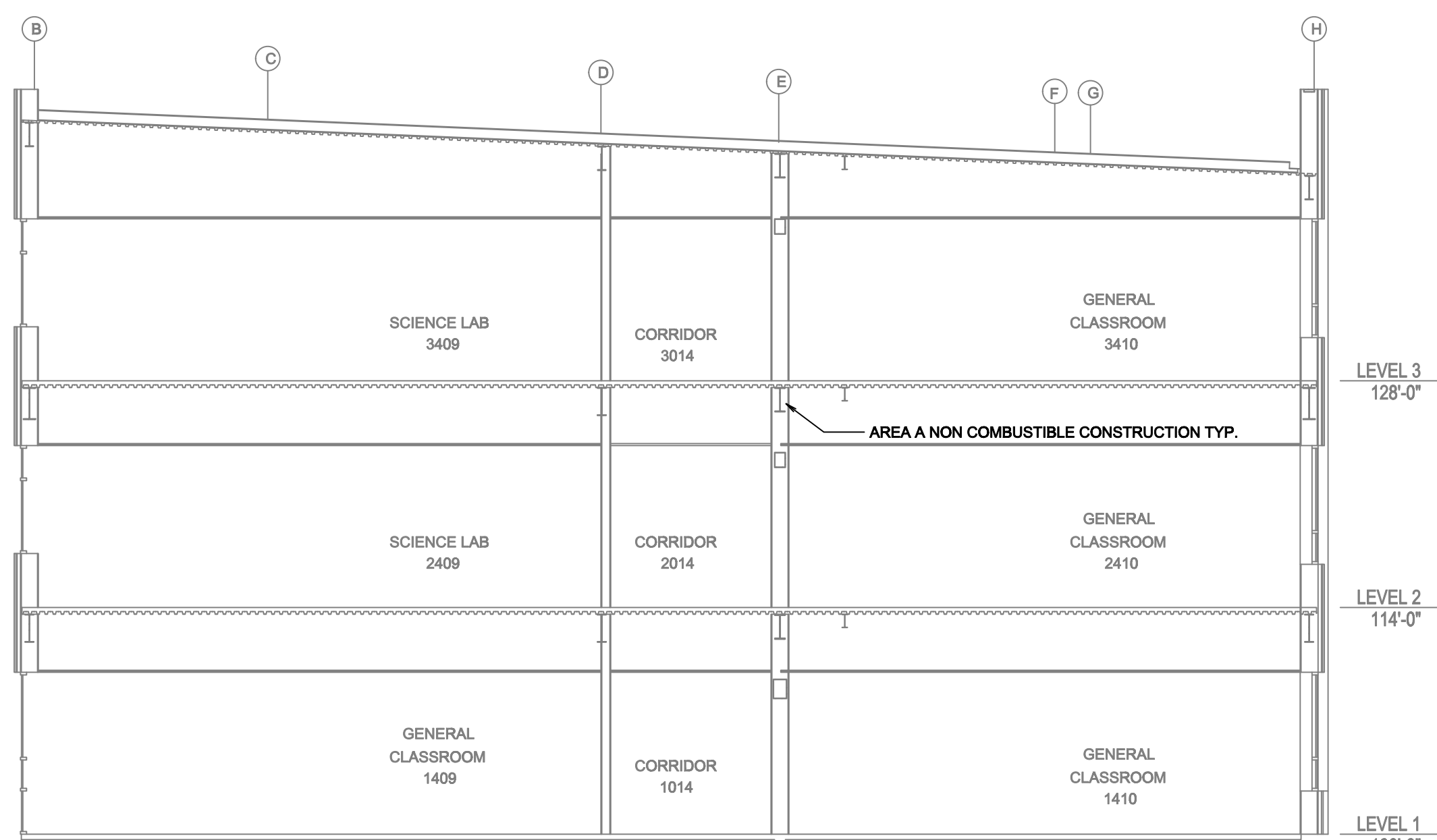
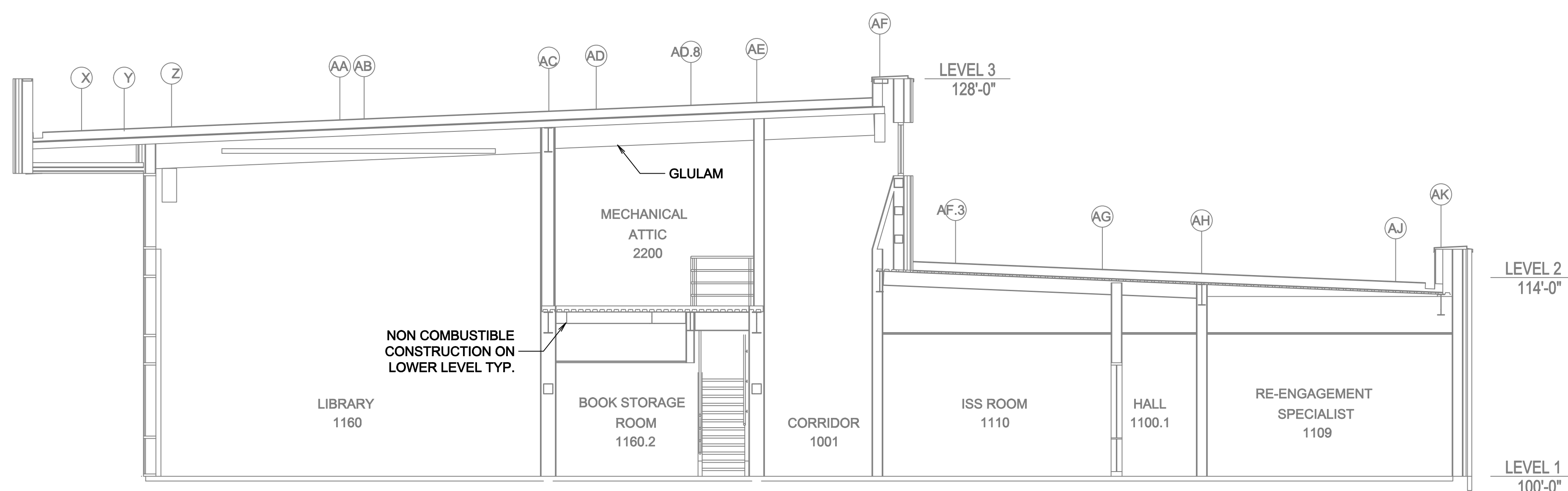


**A BUILDING SECTION**  
SCALE: 1/8" = 1'-0"



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

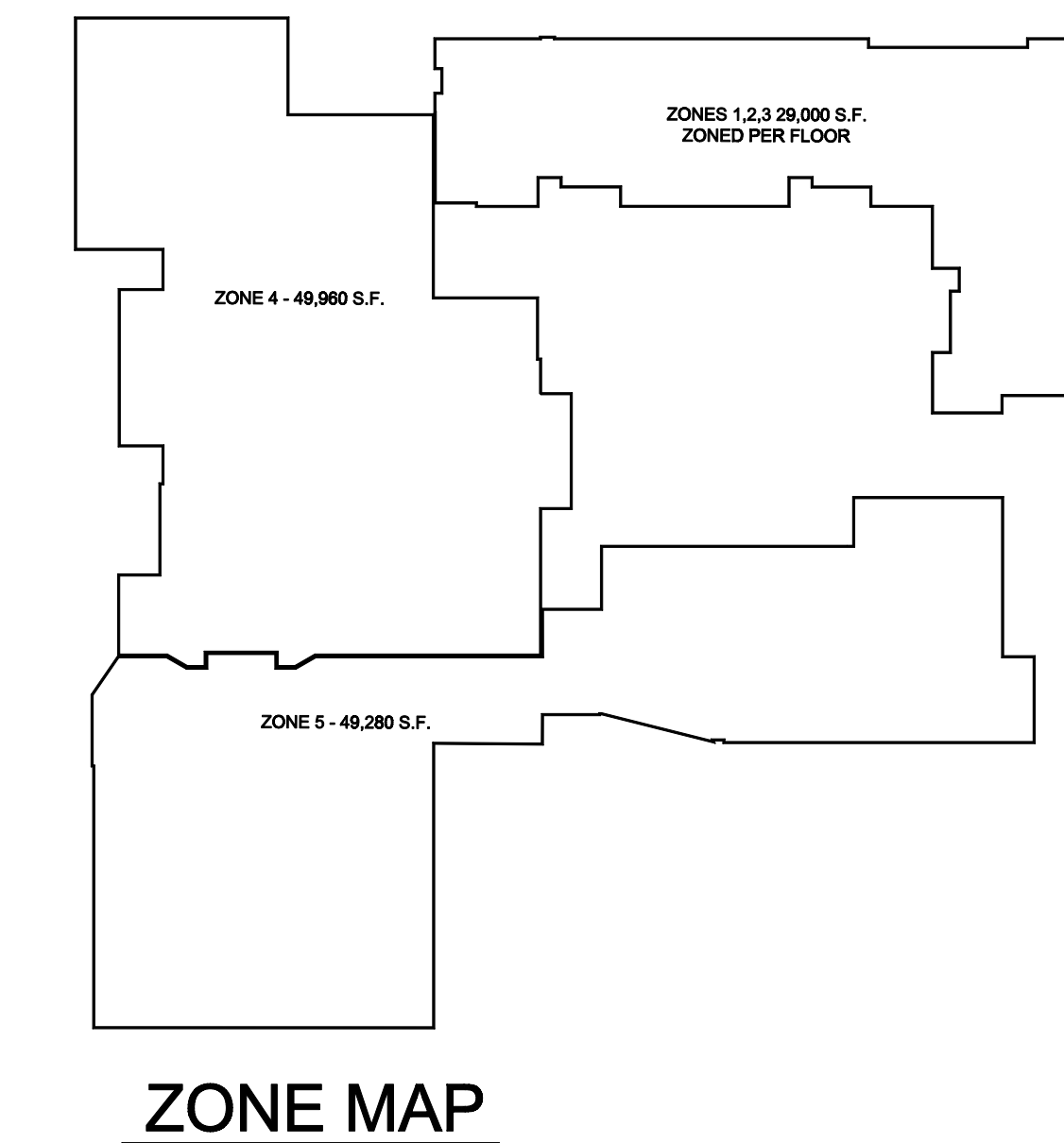


**C BUILDING SECTION**  
SCALE: 1/8" = 1'-0"

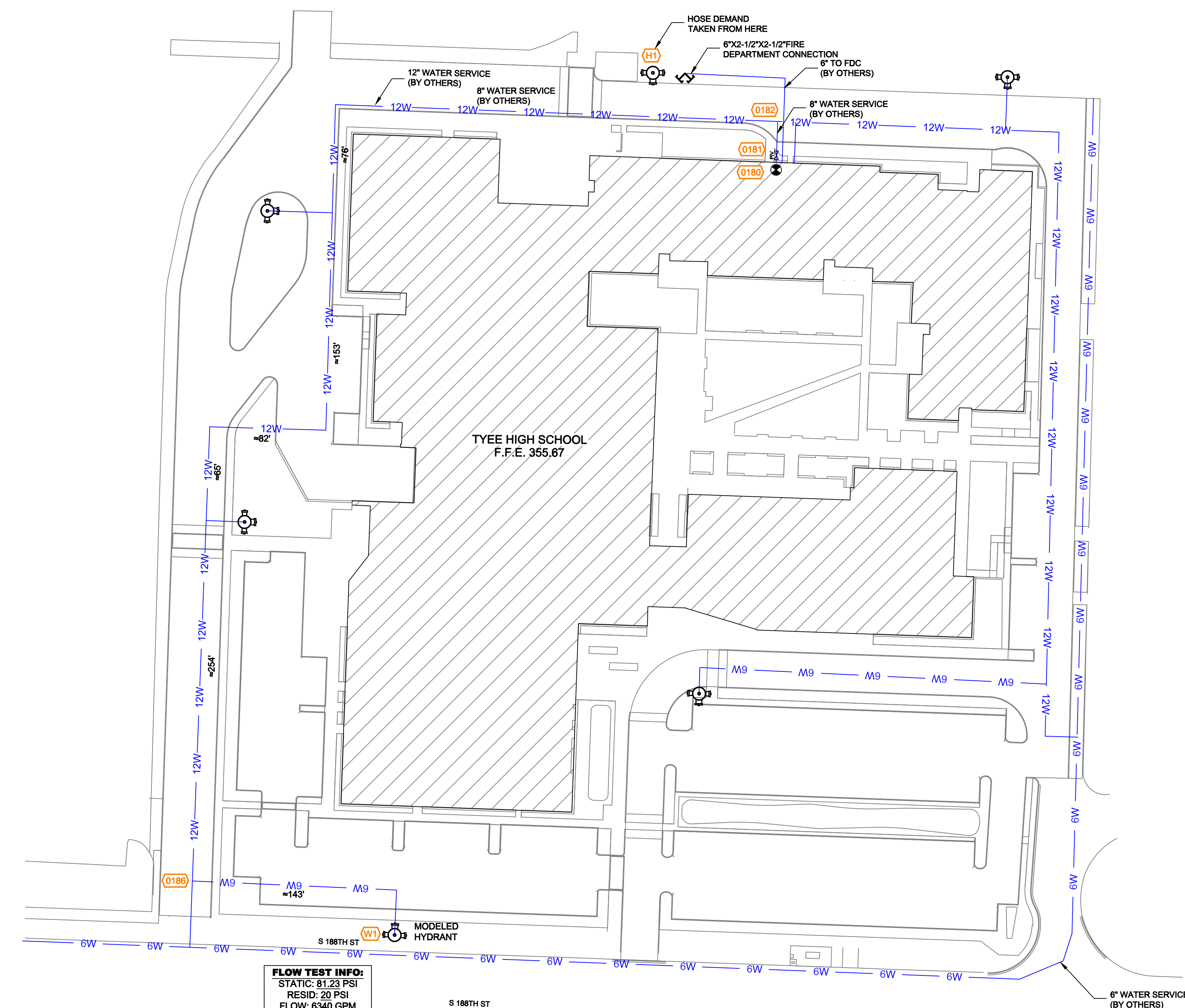
SHEET NUMBER	DESCRIPTION
FP-1	GENERAL NOTES AND DETAILS
FP-2	FIRST FLOOR AREA A
FP-3	FIRST FLOOR AREA B
FP-4	FIRST FLOOR AREA C
FP-5	AREA D
FP-6	SECOND FLOOR AREA A
FP-7	SECOND FLOOR AREA B
FP-8	SECOND FLOOR AREA C
FP-9	THIRD FLOOR AREA A

**GENERAL NOTES**

- INTERNATIONAL BUILDING CODE (2018) AS AMENDED BY THE STATE OF WASHINGTON
  - OCCUPANCY: E-A, A-4, S-1
  - TYPE OF CONSTRUCTION: III-B
  - SPRINKLERED AREAS (APPROXIMATE - SEE ARCHITECTURAL PLANS FOR ACTUAL)
    - LEVEL 1 = 128,832 S.F.
    - LEVEL 2 = 45,881 S.F.
    - LEVEL 3 = 29,809 S.F.
    - TOTAL = 204,522 S.F.
  - INSTALLATION STANDARDS:
    - SPRINKLER SYSTEM DESIGNED AND INSTALLED PER NFPA-13 (2016)
- SPRINKLER PIPE TYPES:
  - WET:
    - 1" ARMOURERS TO BE BLACK SCHEDULE 40 PIPING WITH THREADED FITTINGS
    - 1 1/2" THROUGH 4" MAIN & BRANCH LINES TO BE BLK. SCHEDULE 40 PIPING WITH GROOVED FITTINGS
    - MAINS & BRANCH LINES TO BE ROLL-GROOVED BLK. SCHEDULE 40 PIPING
- DESIGN CRITERIA:
  - CLASSROOMS, HALLWAYS, RESTROOMS AND SIMILAR TO LIGHT HAZARD
  - MECHANICAL AND ELECTRICAL ROOMS, JANITORS CLOSETS, STORAGE ROOMS AND LABS TO BE ORDINARY HAZARD GROUP 1
  - 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 (2016) - SEE PLAN FOR HANGING REQ.
- SYMBOLS USED ON DRAWINGS:
  - 12W PIPE ELEVATION A.F.F.
  - 12W PIPE ELEVATION BELOW B.O.D.
  - ROOM HAZARD CLASSIFICATION (ALL ROOMS ARE CONSIDERED LIGHT HAZARD UNLESS NOTED)
  - HYDRAULIC CALCULATION JUNCTION POINT
  - CEILING HEIGHT
  - 4 WAY SEISMIC BRACE
  - 2 WAY SEISMIC BRACE
  - HEAD CAGE
- SCOPE OF WORK:
  - TO INSTALL A NEW 2 ZONE WET SYSTEM. REMOVE EXISTING TO BE RELOCATED TO MECHANICAL ROOM #113 TO FEED ZONES 2 THROUGH 5. AREA A, ZONES 1, 2, 3, 4, 5 TO BE ZONED PER FLOOR. SPRINKLER SYSTEM TO BE SEMI-CALLY BRACED, UPRIGHT PROTECTION PROVIDED ABOVE CEILING WHERE BUILDING IS OF COMBUSTIBLE CONSTRUCTION.
  - ALL AREAS OF THE BUILDING TO BE INSTALLED AND COVERED IN ACCORDANCE WITH THE LOCAL AUTHORITY HAVING JURISDICTION AND PER NFPA 13 (2016)



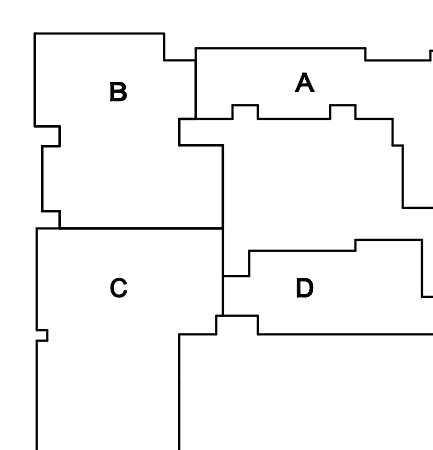
**ZONE MAP**



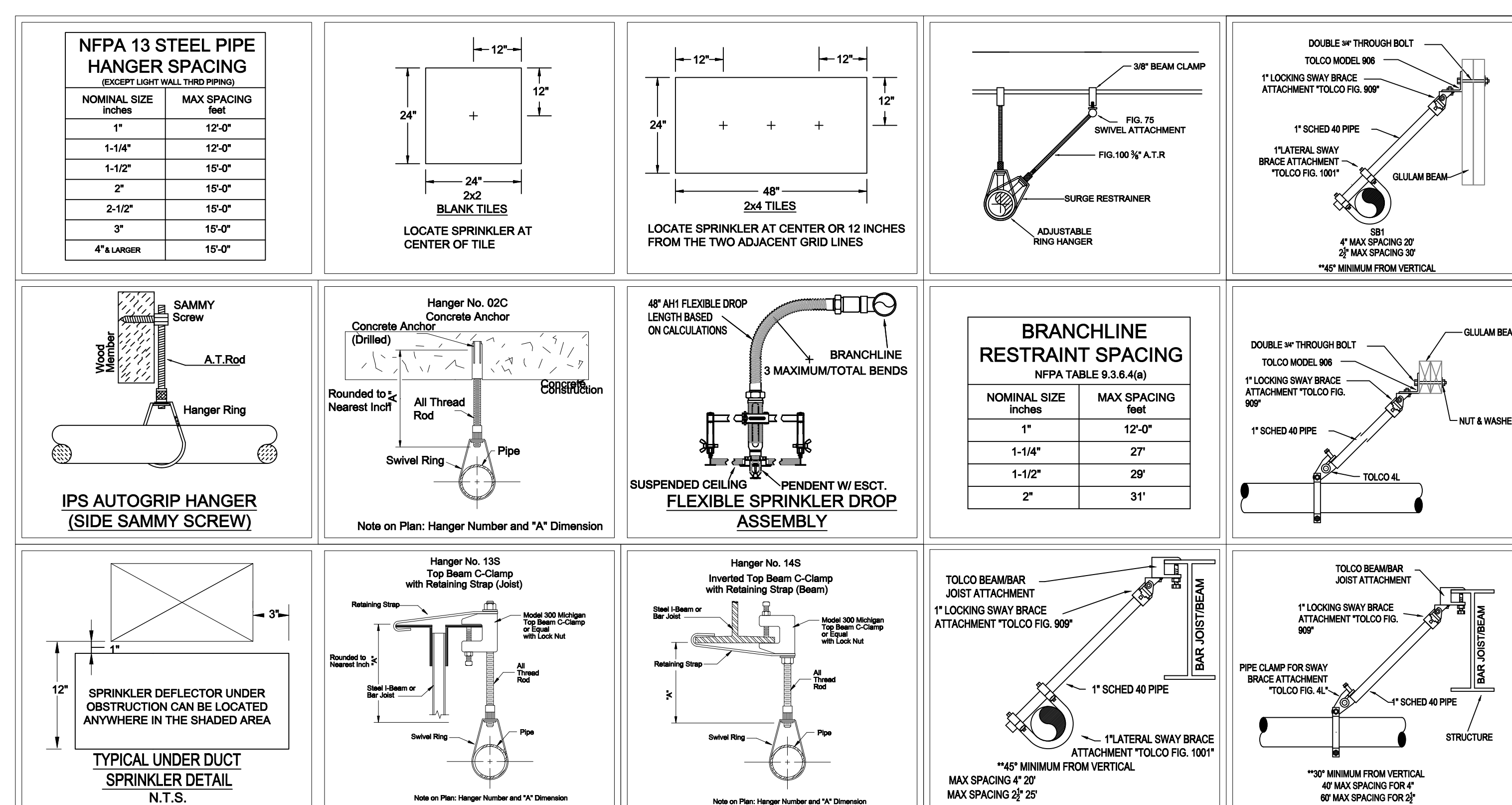
**SITE PLAN**  
SCALE: 1" = 50'-0"

SYM	ICHT	POSITION	FINISH	TEMP	K	INPT	SN	MFS	MODEL#	ESCORTION#	MAX SPACING
106	UPRIGHT	BRASS	200	11.20	3/4"	TV9137	TV9137	TV9137	EC-11	N/A	18' 10 1/8" U.N.O.
108	PENDENT	WHITE	200	11.20	3/4"	V1106	VICTALIC	FL-GR	CONCEALED	18' 10 1/8" U.N.O.	
109	UPRIGHT	BRASS	200	5.80	1/2"	V2704	VICTALIC	V27	N/A	18' 10 1/8" U.N.O.	
113	DOWNWARD	WHITE	200	5.80	1/2"	TV9251	TV9251	TV9251	EC-11	14" MAX	
116	UPRIGHT	BRASS	200	11.20	3/4"	TV9137	TV9137	TV9137	EC-11	N/A	18' 10 1/8" U.N.O.
123	UPRIGHT	BRASS	200	5.80	1/2"	V2704	VICTALIC	V27	N/A	18' 10 1/8" U.N.O.	
187	PENDENT	CHROME	200	5.80	1/2"	V1066	VICTALIC	FL-GR	STANDARD	18' 10 1/8" U.N.O.	
1	PENDENT	WHITE	200	5.80	1/2"	V2708	VICTALIC	V27	SEAM-CEASED	18' 10 1/8" U.N.O.	
1918 TOTAL											

**HEAD LEGEND**



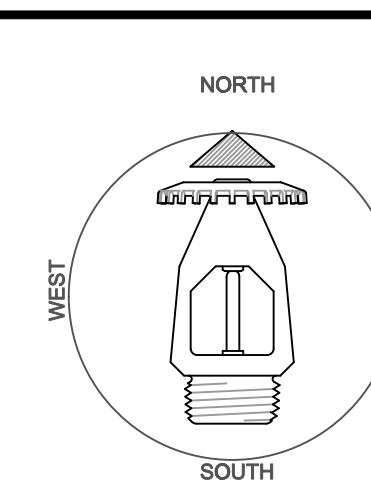
**KEY PLAN**



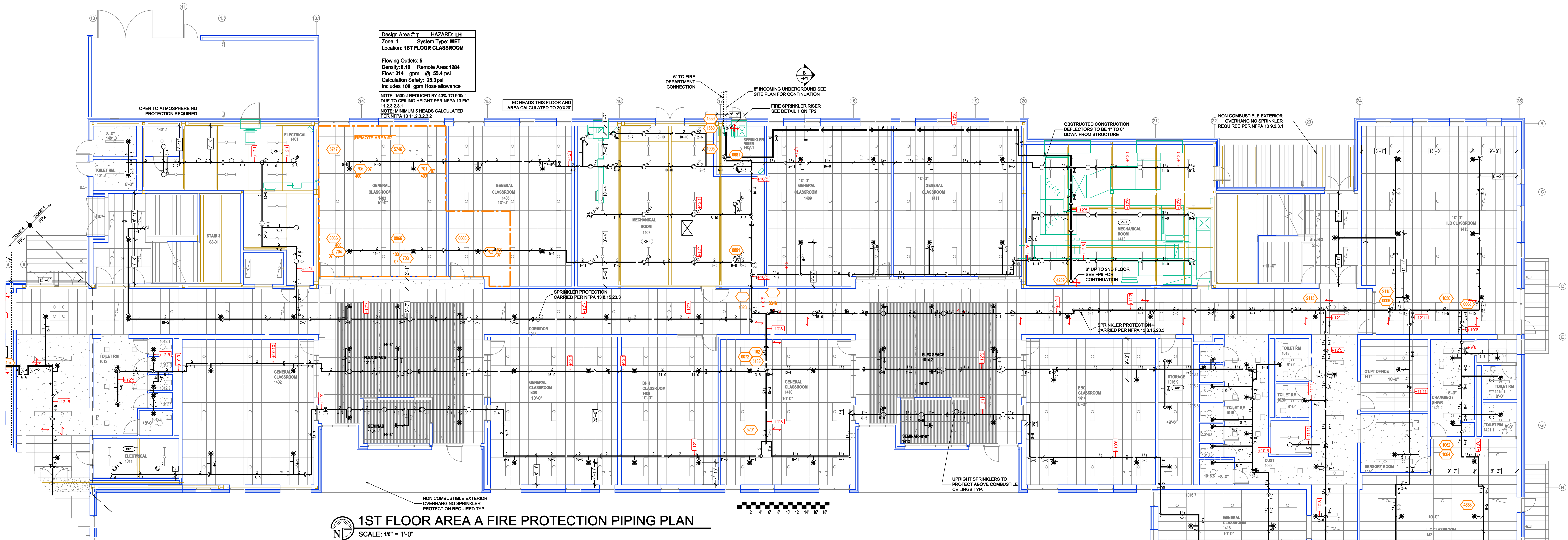
**INSTALLATION DETAILS**

**TYEE HIGH SCHOOL**  
4424 S 188TH ST SEATAC, WA 98188

DRAWING TITLE		REVISIONS	
Project No.	3887916		
Drawn By	JM		
Scale	1/8" = 1'-0"		
Date	08-08-2024		
DWG Type	SUBMITTAL DWG		
Parcel No.	34330804134000048		

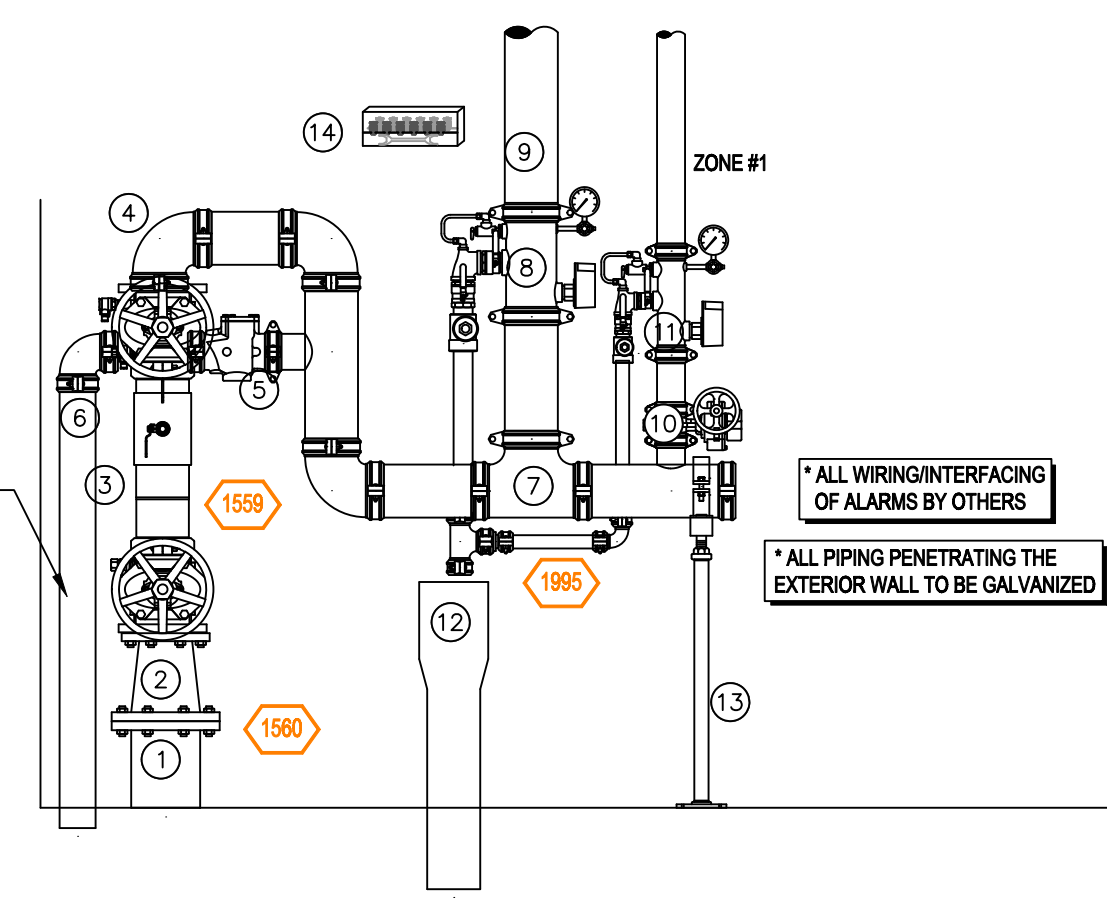


**FP 1 OF 9**

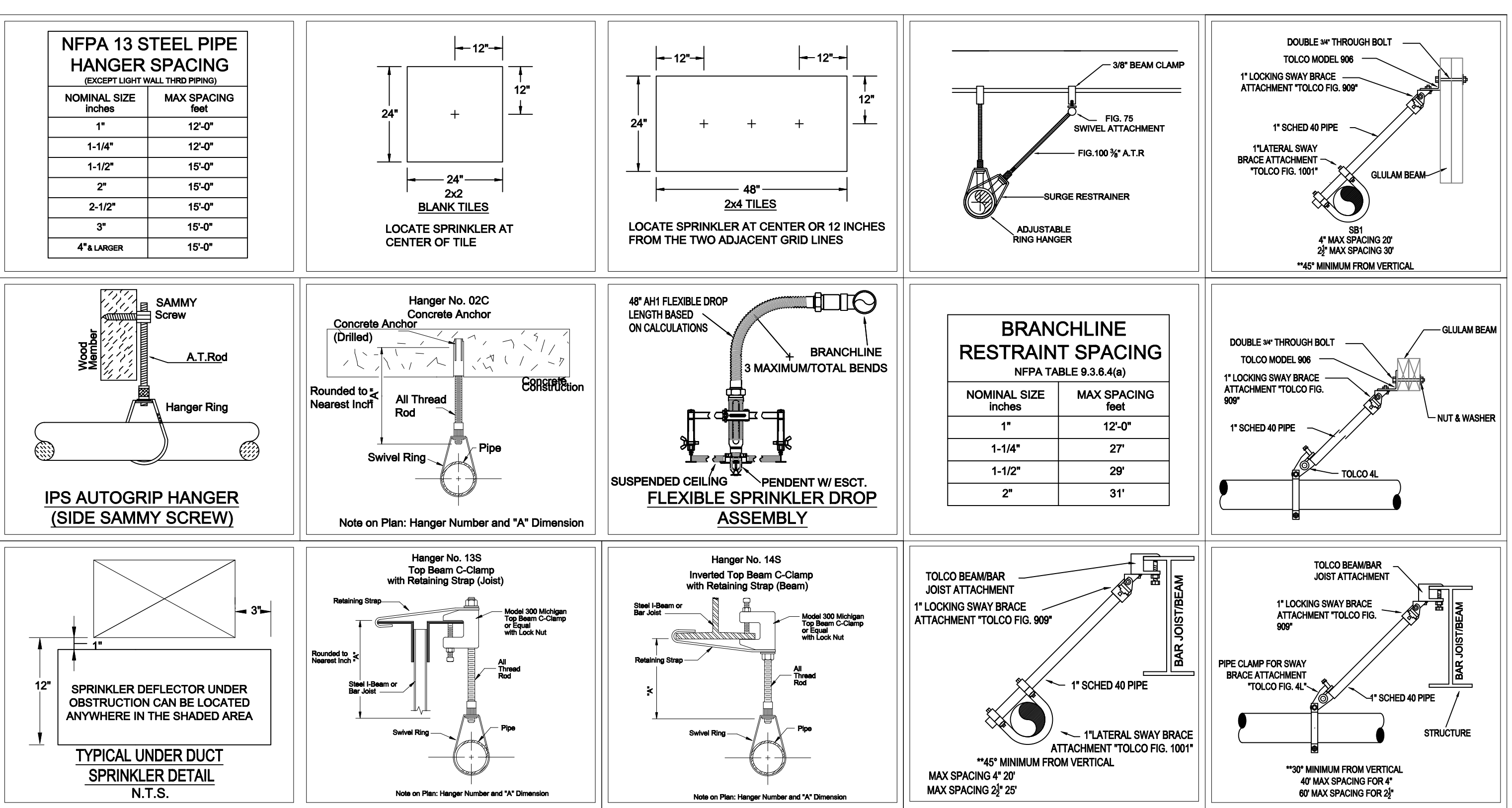


**1ST FLOOR AREA A FIRE PROTECTION PIPING PLAN**  
SCALE: 1/8" = 1'-0"

- RISER LEGEND**
- 8" UNDERGROUND WATER SERVICE (BY OTHERS) (FLUSHING & TESTING OF THE UNDERGROUND SHALL BE COMPLETED PRIOR TO THE SPRINKLER SYSTEM HOOKUP. UNDERGROUND PIPING ARE TO BE SUPPLIED TO THE "VP" CONNECTION BY THE C.C.)
  - 8" W/ FLANGED REDUCER
  - 8" FLANGED
  - 4" FLANGED COLT C200 BACKFLOW PREVENTER w/ TAMPER
  - 4" GROOVED CHECK VALVE
  - 4" GROOVED 90
  - 4" GROOVED TEE
  - 8" GROOVED COMMERCIAL RISER MANIFOLD w/ FLOW SWITCH, PRESSURE GAUGE, & TEST AND DRAIN w/ PRV
  - 8" GROOVED TO REMOTE RISER
  - 3" GROOVED BUTTERFLY VALVE w/ TAMPER
  - 3" GROOVED COMMERCIAL RISER MANIFOLD w/ FLOW SWITCH, PRESSURE GAUGE, & TEST AND DRAIN w/ PRV
  - 3" MAIN DRAIN PIPED TO 4" HUB DRAIN
  - PIPE STAND
  - HEAD BOX w/ SPARE HEADS



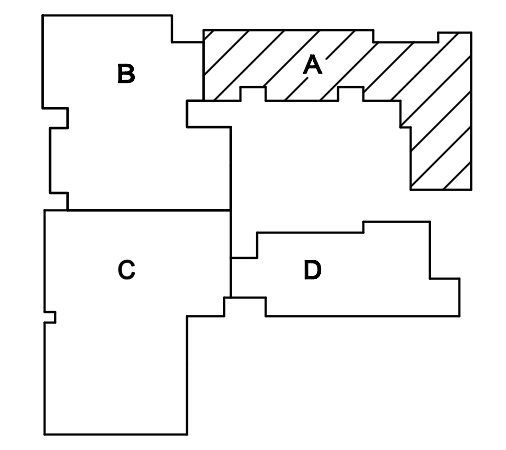
**1 RISER DETAIL**  
SCALE: 1/2" = 1'-0"



**INSTALLATION DETAILS**

**HEAD LEGEND**

SYM	CHT	POSITION	FINISH	TEMP	K	NPT	SN	MPS	MODEL#	ESCUTCHION	MAX SPACING
105	UPRIGHT	BRASS	200	11.20	34"	TY1517	TY20	EC-11	N/A	N/A	18" x 18" UNL.D.
108	PENDENT	WHITE	200	11.20	34"	V1206	VICTALIC	FL-QR	CONSOLE	18" x 18" UNL.D.	15" UNL.D. OH
109	UPRIGHT	BRASS	200	5.80	12"	V2704	VICTALIC	V27	N/A	N/A	15" UNL.D. OH
110	UPRIGHT	WHITE	200	5.80	12"	TY1501	TY20	R/R	CONSOLE	14" MAX	15" UNL.D. OH
111	UPRIGHT	BRASS	200	11.20	34"	TY1517	TY20	EC-11	N/A	N/A	18" x 18" UNL.D.
112	UPRIGHT	BRASS	200	5.80	12"	V2704	VICTALIC	V27	N/A	N/A	15" UNL.D. OH
113	PENDENT	CHROME	200	5.80	1"	V3008	VICTALIC	FL-QR	STANDARD	N/A	15" UNL.D. OH
114	PENDENT	WHITE	200	5.80	12"	V2706	VICTALIC	V27	SEM-RECESSED	N/A	15" UNL.D. OH
115	TOTAL										



**KEY PLAN**

**TYEE HIGH SCHOOL**  
4424 S 188TH ST SEATAC, WA 98188

**Drawing Title**  
**FIRE PROTECTION PLAN**

Project No. 388794

Drawn By: AM

Scale: 1/8" = 1'-0"

Date: 03-08-2024

DWG Type: SUBMITTAL DWG

Parcel No. 3433000434000000

**REVISIONS**

NO.	DESCRIPTION

**FP2 OF 9**