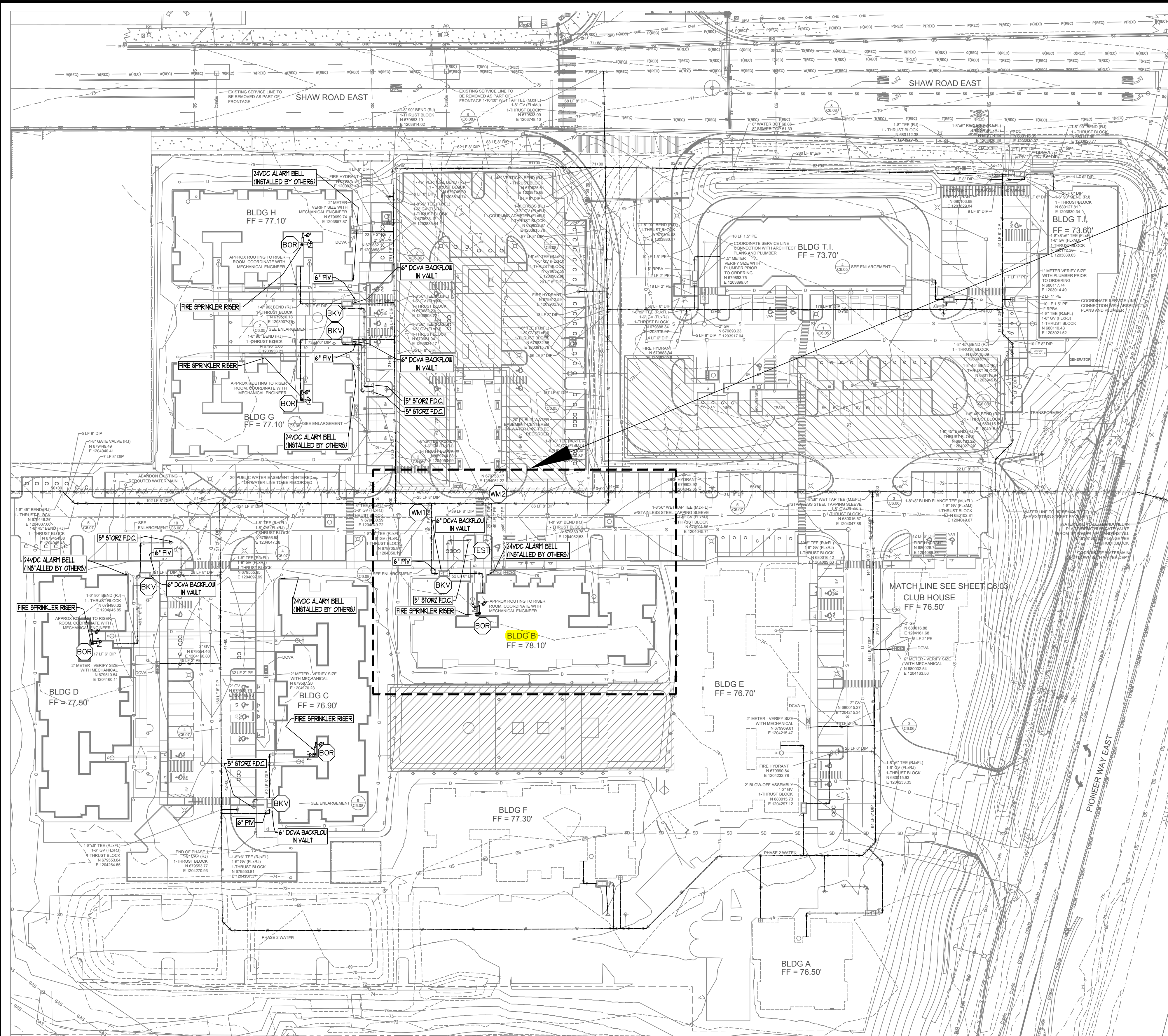
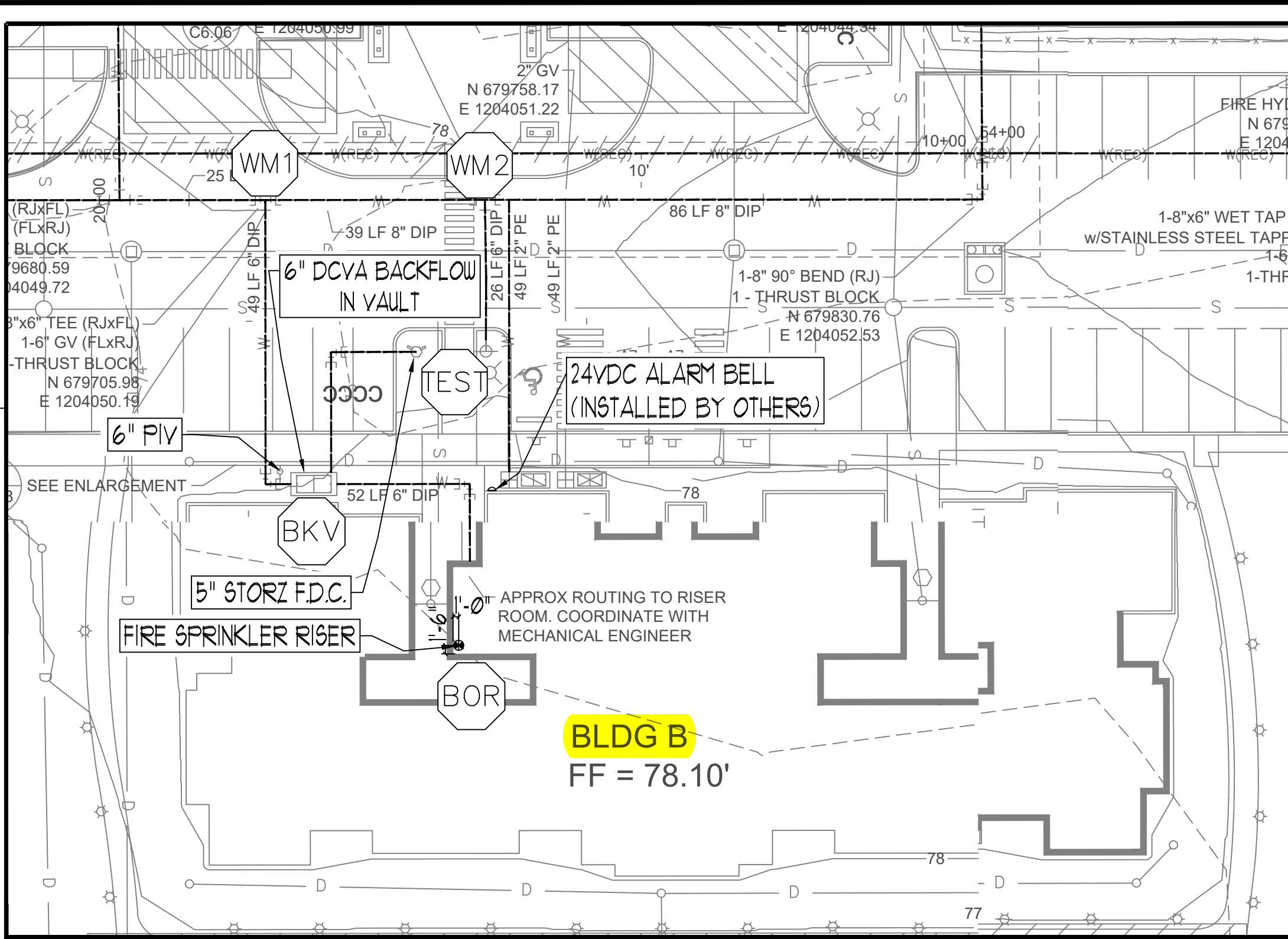




SITE PLAN
SCALE: 1" = 40'-0"

PROJECT NORTH



BUILDING-B SITE PLAN
SCALE: 1" = 20'-0"

PROJECT NORTH



VICINITY MAP
SCALE: NTS

PROJECT NORTH

FLOW TEST INFORMATION	
STATIC	40 PSI
RESIDUAL	25 PSI
FLOWING	1560 GPM
LOCATION	AT SITE
BY WHO	CITY OF PUYALLUP WATER DIVISION

City of Puyallup
Development & Permitting Services
ISSUED PERMIT

Building	Planning
Engineering	Public Works
Fire	Traffic

City of Puyallup
Fire
REVIEWED FOR COMPLIANCE

DDrake
02/18/2025
9:57:40 AM

THE APPROVED CONSTRUCTION PLANS AND ALL ENGINEERING MUST BE POSTED ON THE JOB AT ALL INSPECTIONS IN A VISIBLE AND READILY ACCESSIBLE LOCATION.

Approval of submitted plans is not an approval of omissions or oversight by this office or noncompliance with any applicable regulations of local government. The contractor is responsible for making sure that the building complies with all applicable building codes and regulations of the local government.

SPRINKLER HEAD SCHEDULE					NOTE
SYMBOL	COUNT	THREAD	K-FACTOR	DESCRIPTION	
⊙	262	1/2"	4.9	HEAD1= VIKING VK468 WHITE RESIDENTIAL RECESSED PENDENT 175°F.	on Drop
◄	48	1"	5.6	SIDE1= VIKING VK178 QR CHROME DRY HORIZONTAL SIDEWALL 200°F.	
310 = TOTAL NUMBER OF HEADS BUILDING B					

PROJECT: EAST TOWN CROSSING BUILDING B
ADDRESS: 2902 E PIONEER
CITY: PUYALLUP, WA 98372
TITLE: FIRE SPRINKLER SITE PLAN DRAWING

REVISIONS
BY
DATE
DESCRIPTION

GENERAL: R & R CONSTRUCTION CONSULTING LLC
ADDRESS: 7809 PACIFIC AVE
CITY: TACOMA, WA 98408
SUPER: ADAM RAYGOR
JOB PHONE: 253-961-9976
FIELD INSPECTIONS
NAME: CITY OF PUYALLUP
PHONE: (253) 864-4165

Pipe Coupling	Pipe Drop	Pipe Rise	Pipe End Cap	2-WAY EARTHQUAKE BRACE	4-WAY EARTHQUAKE BRACE	PIPE HANGER	Hydraulic Reference Points	Elev. Below Top of Steel	Elev. Above Finished Floor	Colling Height
+	+	+	+	+	+	+	+	+	+	+

WA. STATE LEVEL 3 STAMP

Expires 06/30/25
WASHINGTON STATE
CERTIFICATE OF COMPETENCY
FIRE SPRINKLER SYSTEMS
Joseph G. Faulkner
9491-0699-CEG Level 3
Sprink Fire Protection, Inc.
SPRINFPO11LS
Signature Date

Project No: 24-093CM
Sheet Title: SITE PLAN

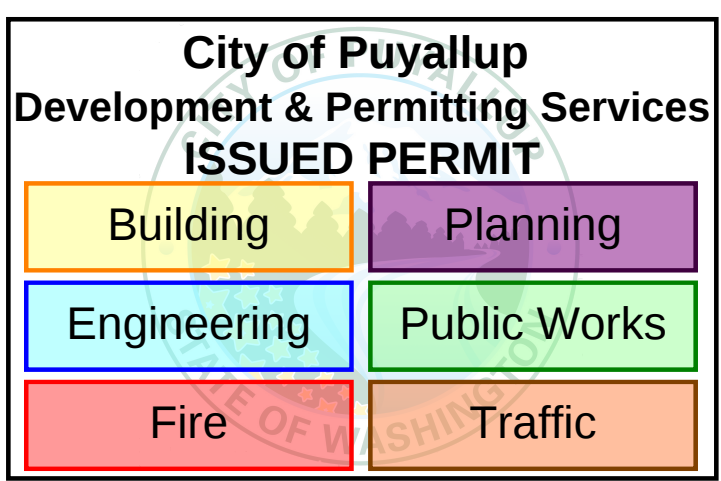
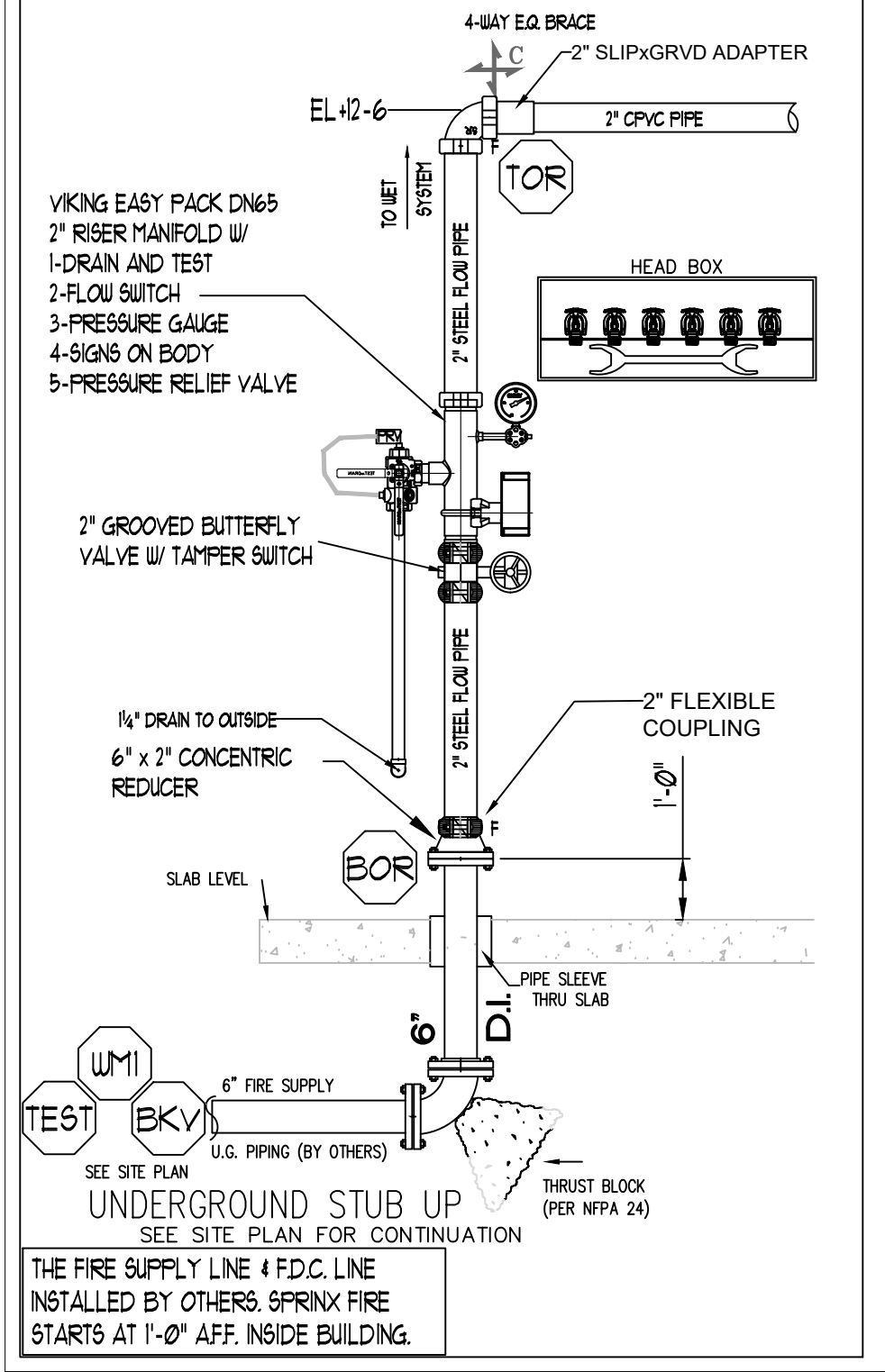
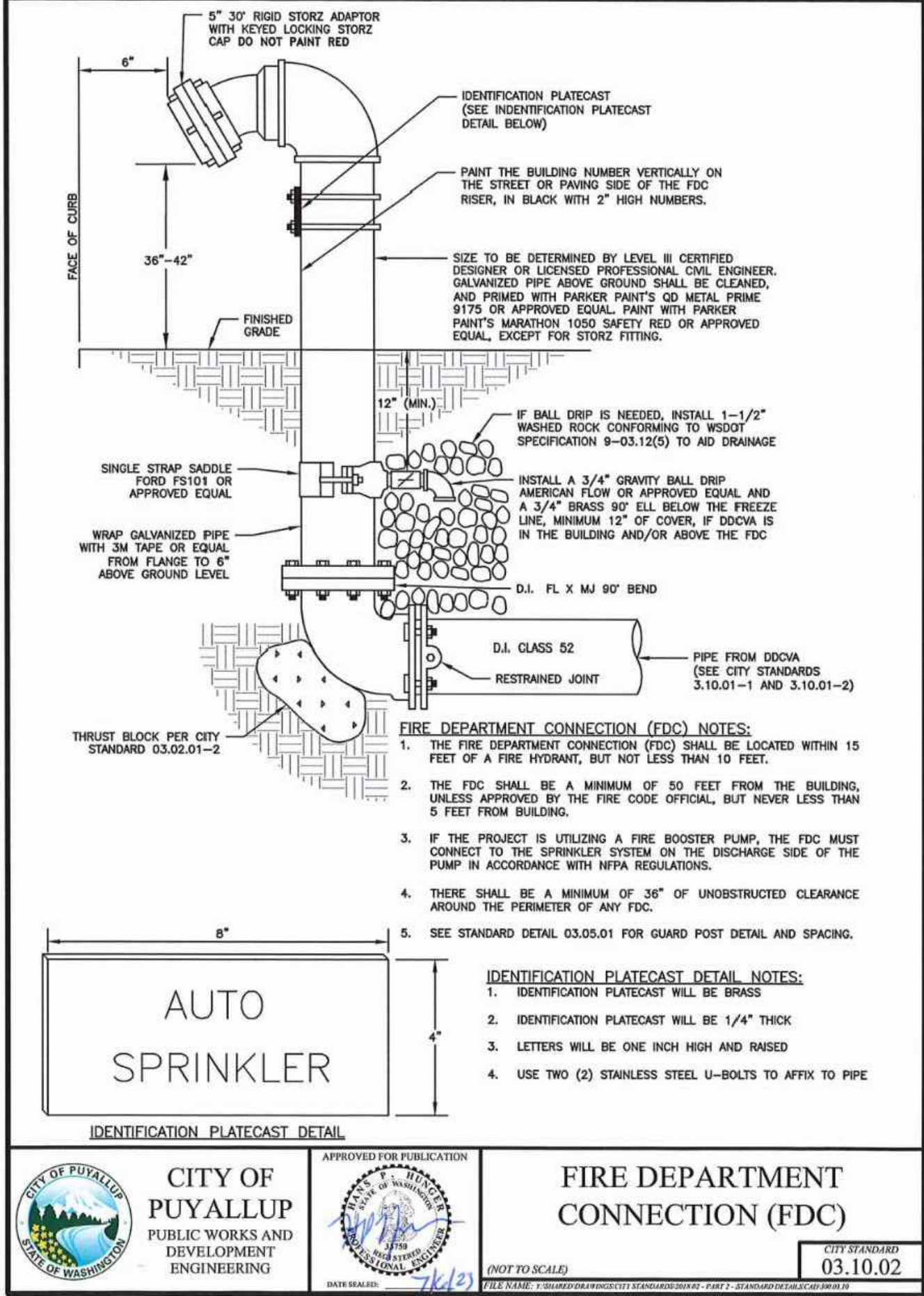
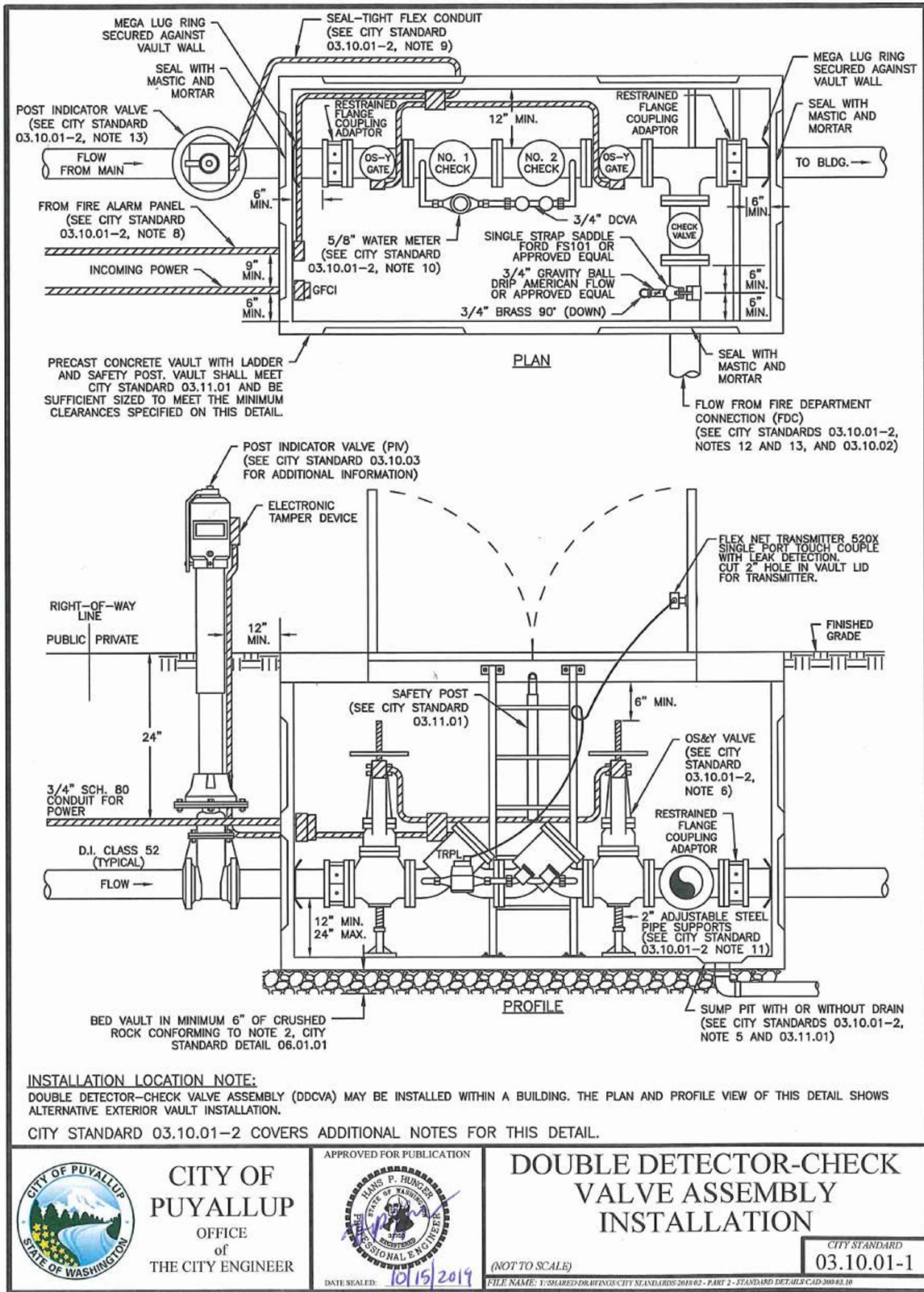
Scale: 1" = 40'-0"

FP-1.0

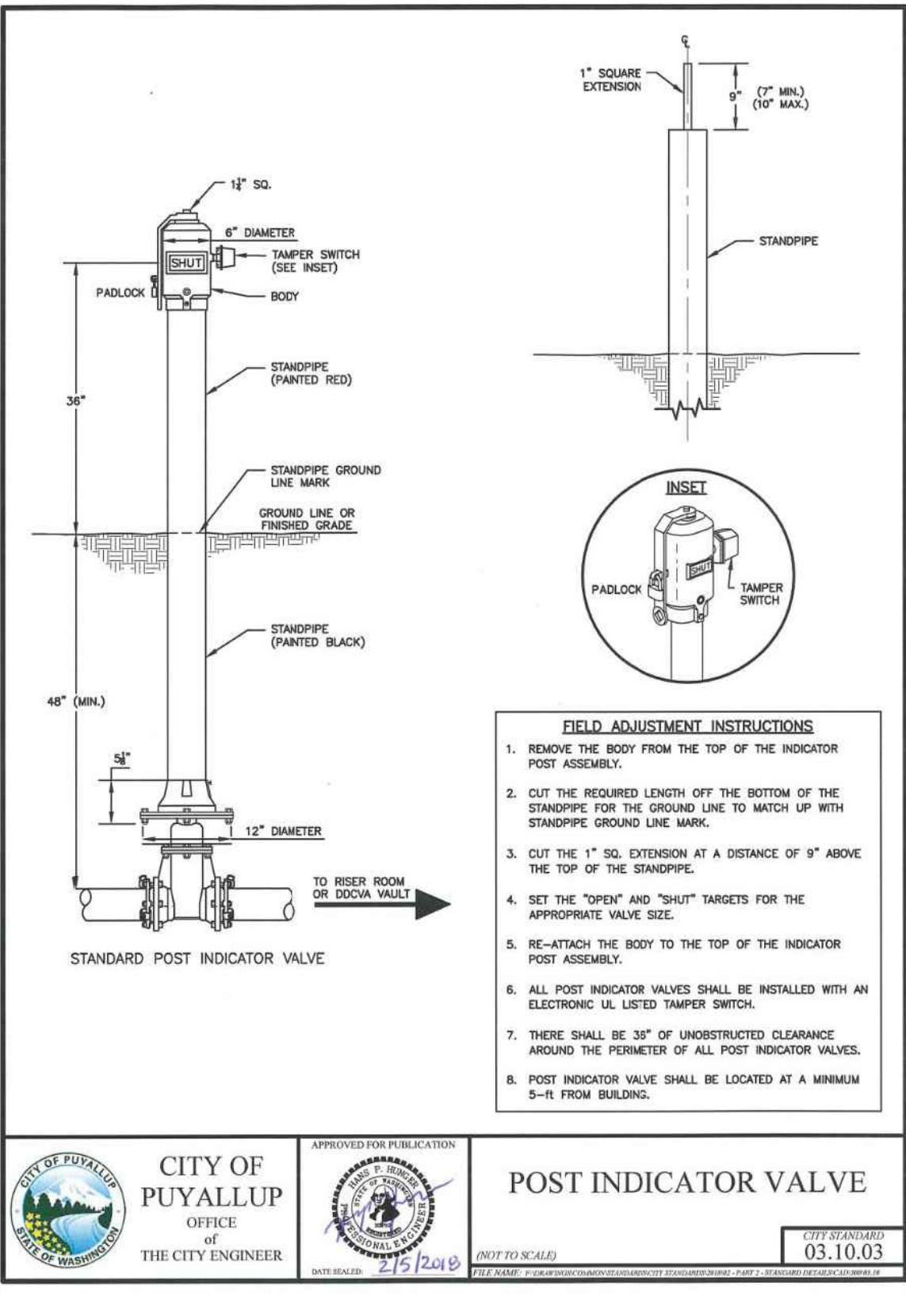
File Name: ETC SITE PLAN.dwg

SPRINX
FIRE PROTECTION
EST. 1999
A Fire Sprinkler Corporation
2709 AMH AVE NW, SUITE 102
Gig Harbor, WA 98335-7735
Fax: 253.853.9890

Date: 12/03/2024 Drawn: AJP Page: 1 of 4



- UNDERGROUND NOTES:**
- 1) ALL UNDERGROUND BY OTHERS. CONTRACTOR TO BE STATE LICENSED AND CERTIFIED TO INSTALL UNDERGROUND PIPING PER WAC 212-80.
 - 2) PIPE TYPE AND CLASS TO MEET LOCAL JURISDICTION APPROVAL.
 - 3) ALL UNDERGROUND PIPING SHALL HAVE A MINIMUM 3'-0" BURY.
 - 4) ALL UNDERGROUND PIPING SHALL BE U.L. LISTED AND/OR FM APPROVED FOR FIRE PROTECTION.
 - 5) ALL UNDERGROUND PIPING SHALL BE RODDED AND/OR BLOCKED IN ACCORDANCE WITH THE SPECIFICATIONS AND NFPA 24.
 - 6) ALL UNDERGROUND PIPING SHALL BE HYDROSTATICALLY TESTED AT NOT LESS THAN 200 PSI FOR TWO HOURS IN ACCORDANCE WITH NFPA 24.
 - 7) ALL UNDERGROUND PIPING SHALL BE FLUSHED IN ACCORDANCE WITH NFPA 24. FLOW THE REQUIRED RATE UNTIL WATER IS CLEAR AS INDICATED BY NO COLLECTION OF FOREIGN MATERIAL IN BURLAP BAGS AT OUTLETS.
4" - 390 GPM 10" - 2,400 GPM
6" - 880 GPM 12" - 3,520 GPM
8" - 1,560 GPM
 - 8) ALL UNDERGROUND INSTALLATION AND TESTING TO BE WITNESSED BY THE LOCAL AUTHORITY HAVING JURISDICTION.
 - 9) WHERE PIPES PASSES THROUGH HOLES IN FOUNDATIONS, WALLS, OR FLOORS, THE HOLES OR SLEEVE SHALL BE SIZED 4 IN. LARGER THAN THE SUPPLY PIPE SIZE ON PIPES SIZED 4" OR LARGER.



SPRINKLER HEAD SCHEDULE				
SYMBOL	COUNT	THREAD	K-FACTOR	DESCRIPTION
⊙	262	1/2"	4.9	HEAD1= VIKING VK468 WHITE RESIDENTIAL RECESSED PENDENT 175°F.
◀	48	1"	5.6	SIDE1= VIKING VK178 QR CHROME DRY HORIZONTAL SIDEWALL 200°F.
310 = TOTAL NUMBER OF HEADS BUILDING B				
NOTE				
on Drop				

PROJECT

EAST TOWN CROSSING BUILDING B

BY

DATE

REVISIONS

DESCRIPTION

GENERAL

R & R CONSTRUCTION CONSULTING LLC

ADDRESS

7809 PACIFIC AVE
TACOMA, WA 98408

SUPER.

ADAM RAYGOR

JOB PHONE #

253-961-9976

FIELD INSPECTIONS

NAME

CITY OF PUYALLUP

PHONE #

(253) 864-4165

STANDARD SYMBOLS

Pipe Coupling	⊕
Pipe Drop	⊖
Pipe Rise	⊕
Pipe End Cap	⊔
2-WAY EARTHQUAKE BRACE	⊕
4-WAY EARTHQUAKE BRACE	⊕
PIPE HANGER	⊕
Hydraulic Reference Points	⊕
Elev. Below Top of Steel	⊕
Elev. Above Finished Floor	⊕
Colling Height	⊕

WA. STATE LEVEL 3 STAMP

Expires

DEC 31, 2021

WASHINGTON STATE

CERTIFICATE OF COMPETENCY

FIRE SPRINKLER SYSTEMS

Joseph G. Faulkner

9451-0599-C/EG Level 3

Sprinx Fire Protection, Inc.

SPRINFP011LLS

Signature

Joseph G. Faulkner 01/07/2022

Project No.

24-093CM

Sheet Title:

DETAILS

Sheet Number:

FP-1.1

File Name:

ETC SITE PLAN.dwg

LEVEL-2 FIRE SPRINKLER PLAN
 SCALE: 1/8" = 1'-0"
 PROJECT NORTH

0 4' 8' 16'

CONTRACTOR TO POSITION 2-4 LIGHTS IN ALL BEDROOMS OFF CENTER BY MINIMUM OF 3'-0" TO ALLOW PROPER CLEARANCES TO FIRE SPRINKLERS.

CONTRACTOR TO POSITION ALL COMMON SPACE LIGHTING IN ACCORDANCE WITH NFPA 13

 **LEVEL-1 FIRE SPRINKLER PLAN**
SCALE: 1/8" = 1'-0"
PROJECT NORTH

0 4' 8' 16'

City of Puyallup
Development & Permitting Services
ISSUED PERMIT

Building	Planning
Engineering	Public Works
Fire	Traffic

SCOPE OF WORK

INSTALL AUTOMATIC WET FIRE SPRINKLER SYSTEM FOR MULTI FAMILY DWELLING IN ACCORDANCE WITH NFPA 13R 2019 EDITION AND LOCAL AUTHORITY.

GENERAL NOTES

- ALL PIPING AND SPRINKLERS SHALL BE U.L. LISTED AND/OR F.M. APPROVED AND SHALL BE NEW AND FREE OF DEFECTS.
- ALL TYPES AND SIZES OF PIPING SHALL BE INSTALLED PER NFPA 13R AND MANUFACTURER'S LISTING.
- SPRINKLER LOCATIONS AND SPACING PER NFPA 13R AND MANUFACTURERS LISTING. ALL DRILLING AND BORE HOLE INSTALLATION IS BY OTHERS.
- ALL DRILLING AND BORING OF HOLES SHALL BE DONE IN STRICT ACCORDANCE WITH THE STRUCTURAL ENGINEER'S REQUIREMENTS. DO NOT UNDER ANY CIRCUMSTANCES CUT OR MODIFY PRE-ENGINEERED TRUSSES.
- INSTALL ALL VENT PIPING, FLOOR CLEANERS, OBSTRUCTIONS, LIGHT FIXTURES, CABINETS, ETC PRIOR TO INSTALLATION OF SPRINKLER HEADS.
- ALL PENETRATIONS THROUGH FIRE RATED ASSEMBLIES SHALL BE FIRE STOPPED.
- ALL PIPING SHALL BE INSTALLED IN ACCORDANCE WITH THE INSTRUCTIONS BY OTHERS.
- SPRINKLER PIPE SIZING HAS BEEN ESTABLISHED BY HYDRAULIC CALCULATIONS. IT IS THE OWNER'S RESPONSIBILITY TO PROVIDE A RELIABLE WATER SUPPLY THAT IS CAPABLE OF MEETING THE MOST DEMANDING AREA.

PROJECT DETAILS

FPA CODE: 13R 2019

SYSTEM TYPE: WET SYSTEM
PIPE TYPE: BLAZEMASTER CPVC
MAX SPRINKLER SPACING REQUIREMENTS: 16'x16' @13 GPM
MINIMUM SPRINKLER SPACING: 8' BETWEEN SPRINKLERS
MINIMUM DESIGN DENSITY: 0.05 GPM/SQ.FT.

NFPA & AHJ REQUIREMENTS

- THE DESIGN DISCHARGE SHALL BE ALL OF THE SPRINKLERS WITHIN A SINGLE COMPARTMENT, UP TO A MAXIMUM OF FOUR SPRINKLERS, THAT REQUIRE THE GREATEST CRITICAL DESIGN DISCHARGE.
- SPRINKLERS SHALL NOT BE REQUIRED IN BATHROOMS OF 55 SQ. FT. AND LESS. SPRINKLERS SHALL NOT BE REQUIRED IN CLOTHES CLOSETS, LINEN CLOSETS, AND PANTRIES THAT DO NOT EXCEED 24 SQ. FT. AND HAVE WALLS AND CEILINGS SURFACES OF NONCOMBUSTIBLE MATERIAL.
- SPRINKLERS SHALL NOT BE REQUIRED IN ATTICS OR CRAWLSPACES.
- SPRINKLER HEADS SHALL BE AT LEAST 3 FT. AWAY FROM CEILING FANS AND SURFACE MOUNTED LIGHT FIXTURES.
- ALL SPRINKLERS SHALL MAINTAIN THE MINIMUM REQUIRED DISTANCES FROM HEAT SOURCES IN ACCORDANCE WITH NFPA 13R.
- SPRINKLER HEADS UNDER SLOPE CEILINGS TO BE MEASURED ALONG THE SLOPE.

CPVC FIRE SPRINKLER PIPE GUIDELINES

INSTALLING CONTRACTOR TO PROVIDE AN INSTALLATION THAT IS IN 100% COMPLIANCE WITH THESE GUIDELINES. RESIDENTIAL DESIGN CANNOT BE RESPONSIBLE FOR THE WILLFUL OR NEGLIGENT ACTIONS OF OTHER PARTIES THAT DO NOT FOLLOW THE BELOW GUIDELINES.

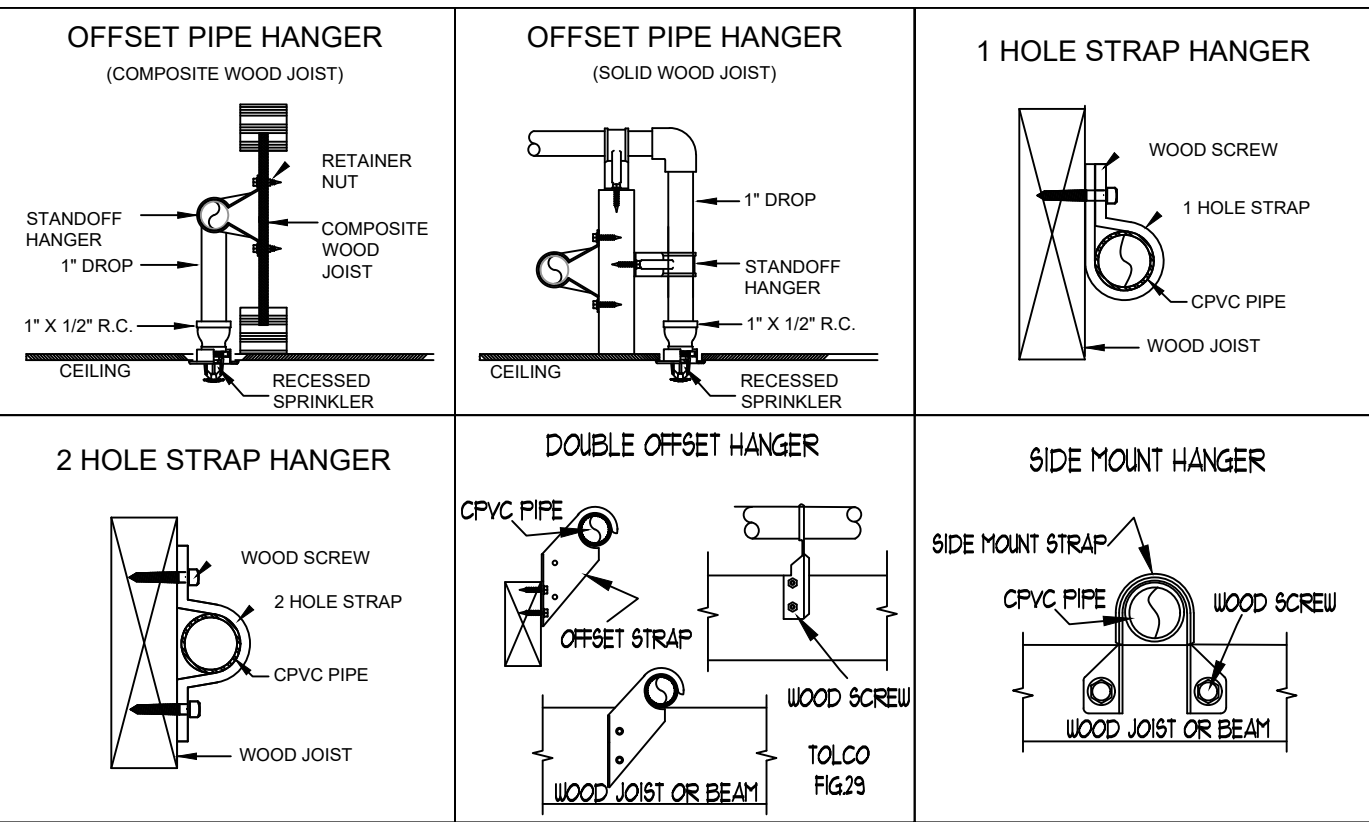
THESE GUIDELINES ARE:

- DO NOT STACK, SUPPORT, HANG EQUIPMENT, OR HANG FLEXIBLE WIRE/CABLE, ESPECIALLY COMMUNICATIONS CABLE, OR OTHER MATERIAL ON THE FIRE SPRINKLER.
- DO NOT EXPOSE CPVC PRODUCTS TO INCOMPATIBLE SUBSTANCES, SUCH AS CUTTING OILS, NON-WATER-BASED PAINTS, PACKING OILS, TRADITIONAL PIPE THREAD SEALANT, GLUE, GLYCEROL, TERMITICIDES, INSECTICIDES, DETERGENTS, BLENDED PAINTING, ADHESIVE TAPE, SOLDER FLUX, FLEXIBLE WIRE/CABLE (WITH SPECIAL CONSIDERATION FOR COMMUNICATIONS CABLEING), AND NON-APPROVED SPRAY FOAM INSULATION MATERIALS.
- DO NOT EXPOSE CPVC PRODUCTS TO EDIBLE OILS, SOLVENTS, OR GLYCOL-BASED ANTIFREEZE FLUIDS.
- DO NOT EXPOSE CPVC PRODUCTS TO OPEN FLAME, SOLDER, AND SOLDERING FLUX.
- DO NOT DROP, DISTORT, OR IMPACT CPVC PRODUCTS OR ALLOW OBJECTS TO BE DROPPED ON THEM.
- DO NOT HANDLE CPVC PRODUCTS WITH GLOVES CONTAMINATED WITH OILS (HYDROCARBONS) OR OTHER INCOMPATIBLE MATERIALS.
- DO NOT INJECT SYSTEMS WITH M.I.C. INHIBITORS UNLESS THEY ARE LISTED IN COMBINATION WITH THIS SYSTEM.

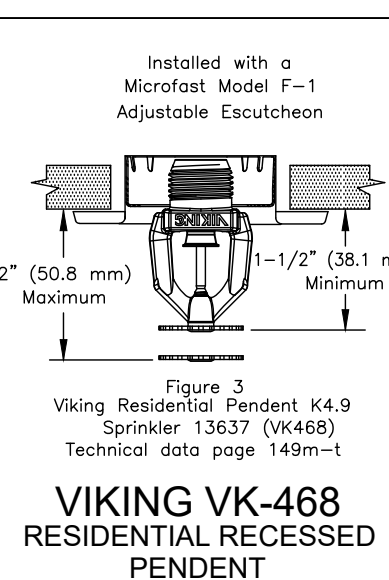
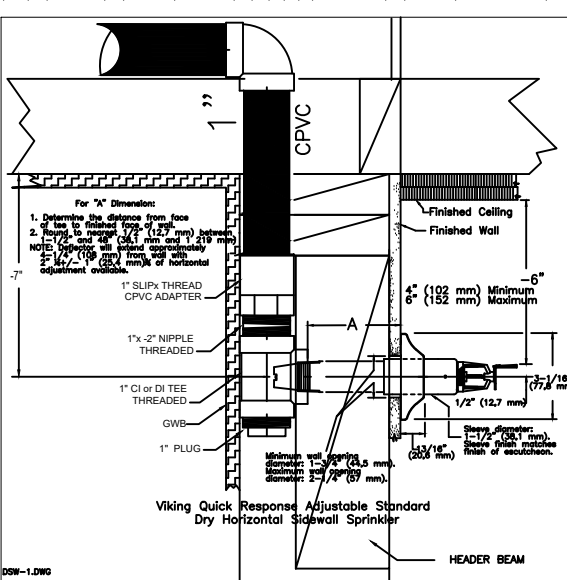
FAILURE TO FOLLOW THIS NOTICE MAY CAUSE CRACKS OR FRACTURES TO DEVELOP IN
 CPVC PRODUCTS RESULTING IN PROPERTY DAMAGE DUE TO LEAKS OR FLOODING. THE
 PRESENCE OF ANY VISIBLE CRACKS MAY REQUIRE PARTIAL OR FULL SYSTEM
 REPLACEMENT.

FREEZE PROTECTION

THIS SYSTEM IS A WET SYSTEM, PRECAUTION MUST BE TAKEN TO PROTECT THE PIPING FROM EXTREME FREEZING TEMPERATURES. IT IS THE RESPONSIBILITY OF THE OWNER AND INSULATION INSTALLER TO ENSURE SUFFICIENT INSULATION IS PROVIDED AND INSTALLED CORRECTLY TO MAINTAIN ALL PIPING AT 40 DEG MINIMUM IN ALL AREAS. THE METHOD TO ACHIEVE THIS CONTROL OF TEMPERATURE SHALL BE IN ACCORDANCE WITH NFPA 13R. DESIGNER AND ENGINEER OF RECORD WILL NOT BE RESPONSIBLE FOR ANY FREEZING PIPE OR DAMAGE CAUSED BY FREEZING PIPING.



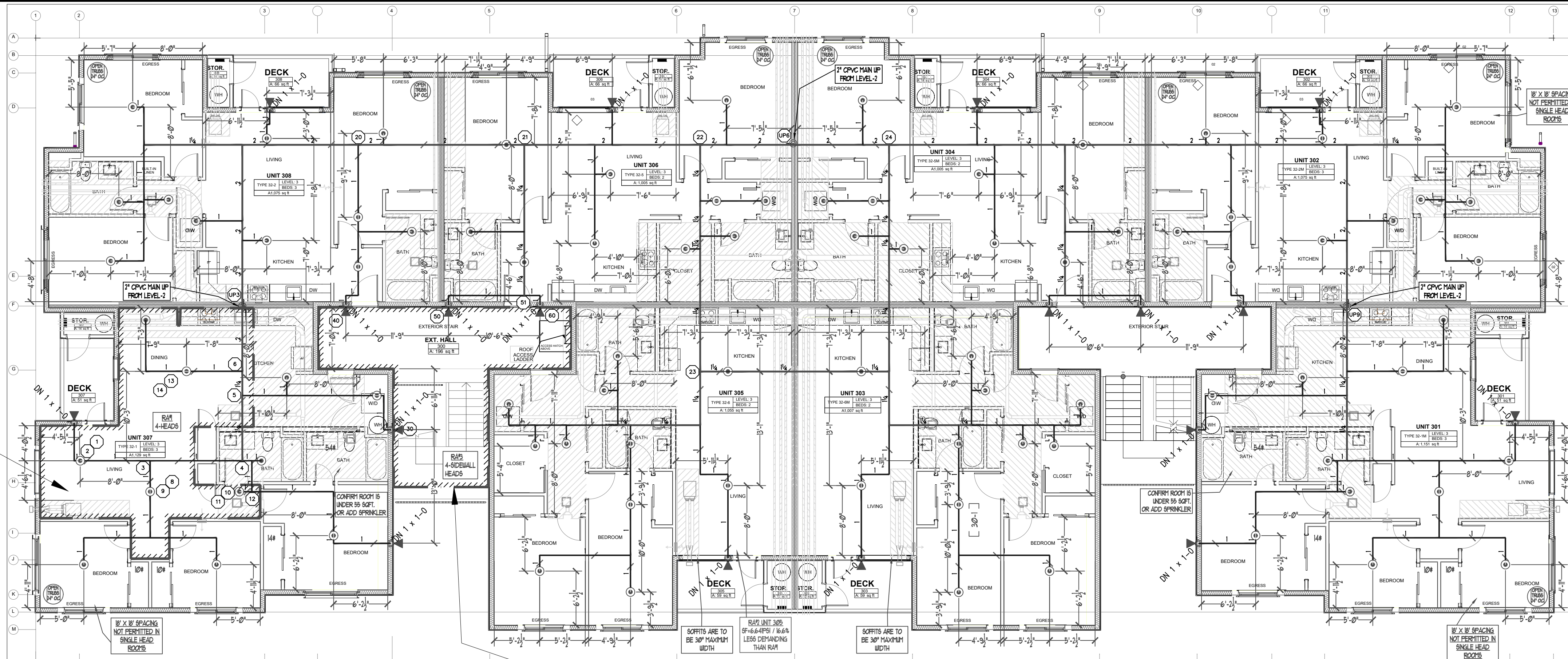
* DO NOT STUB DOWN DSWS ON LEVELS 1 & 2
SEE DECK DETAILS & BREEZEWAY DETAILS ON FP-20



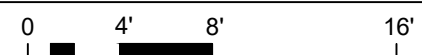
SPRINKLER HEAD SCHEDULE					
SYMBOL	COUNT	THREAD	K-FACTOR	DESCRIPTION	NOTE
☉	262	1/2"	4.9	HEAD1= VIKING VK468 WHITE RESIDENTIAL RECESSED PENDENT 175°F.	on Drop
◀	48	1"	5.6	SIDE1= VIKING VK178 OR CHROME DRY HORIZONTAL SIDEWALL 200°F.	
310 = TOTAL NUMBER OF HEADS BUILDING B					

PROJECT EAST TOWN CROSSING BUILDING B					
BY		ADDRESS 2002 E PIONEER		CITY PUYALLUP WA 98372	
		TITLE:		FIRE SPRINKLER LEVELS 1 & 2 DRAWING	
 A Fire Sprinkler Installation EST. 1989 Contact: # SPRINFPII Fax: 253-853-5890					
REVISIONS		DATE			
DESCRIPTION					
GENERAL		MKM LEGACY LLC			
ADDRESS		7809 PACIFIC AVE			
CITY		TACOMA WA 98408			
SUPER.		ADAM RAYGOR			
JOB PHONE #		253-961-9976			
FIELD INSPECTIONS					
NAME		CITY OF PUVALUP			
PHONE #		(253) 864-4165			
STANDARD SYMBOLS					
+ Pipe Coupling					
Pipe Drop					
Pipe Rise					
Pipe End Cap					
2-WAY EARTHQUAKE BRACE					
4-WAY EARTHQUAKE BRACE					
PIPE HANGER					
Hydraulic Reference Points					
Elev. Below Top of Steel					
Elev. Above Finished Floor					
Ceiling Height					
WA. STATE LEVEL 3 STAMP					
Expires DEC 31, 2025 WASHINGTON STATE CERTIFICATE OF COMPLETENESS FIRE SPRINKLER SYSTEMS Joseph G. Fawcner 9481-0698-CEG Level 3 Sprinx Fire Protection, Inc. SPRINFPO11LS <i>Joseph D. Fawcner</i> 01/07/2025 Signature Date					
 N					
SCALE: 1/8" = 1'-0"					
Project No.		24-093CM			
BLDG-B LEVELS 1 & 2					
Sheet Number: FP-2.0					
File Name: ETC Building B.dwg					

Design Area Number: RA#1
Design Area Location: LEVEL-3 UNIT 307
Hazard/Occupancy: RESIDENTIAL NFPA 13R
Design Density: 0.05
Design Area: 256
Number of Sprinklers in Design Area: 4
System Flow: 55.435 @ TEST
System Pressure: 34.171 SAFETY FACTOR = 5.80
Hose Allowance (Included): 0



 **LEVEL-3 FIRE SPRINKLER PLAN**
SCALE: 1/8" = 1'-0" 0 1



PROJECT NORTH

Hydraulically Calculated System

This system as shown on		SPRINK FIRE PROTECTION	
company print no	FP-3.0	dated	01/02/2025
for REMOTE AREA 03 - LEVEL-3 NORTH STAIRWELL			
at	ETC APTS. BUILDING-B	contract no	24-0935CM
is designed to discharge at a rate of		10	GPM
(L/min) per sq ft (m ²) of floor area over a maximum area of			
4 HEAD SIDEWALL CALC	sq ft (m ²) when supplied		
with water at the rate of		60.342	GPM (L/min)
at	26.235	psi (bars)	at the base of the riser
Hose stream allowance of	0	GPM (L/min)	
is included in the above.			
Occupancy Classification	NFPA-13R (2019)		
Commodity Classification	N/A		
Maximum Storage Height	N/A		
Installed By:	SPRINK FIRE PROTECTION, INC.		

RESIDENTIAL SPRINKLERS
MAXIMUM SPACING 16' X 16'

SCOPE OF WORK

INSTALL AUTOMATIC WET FIRE SPRINKLER SYSTEM FOR MULTI FAMILY DWELLING IN ACCORDANCE WITH NFPA 13R 2019 EDITION AND LOCAL AUTHORITY.

GENERAL NOTES

1. ALL PIPING AND SPRINKLERS SHALL BE U. L. LISTED AND/OR FM. APPROVED, AND SHALL BE NEW AND FREE OF DEFECTS.
2. HANGER TYPES AND SPACING SHALL BE INSTALLED PER NFPA 13R AND MANUFACTURERS LISTING.
3. SPRINKLER LOCATIONS AND SPACING PER NFPA 13R AND MANUFACTURERS LISTING AND ALL ALARM SYSTEM WIRING AND INSTALLATION IS BY OTHERS.
4. ALL WIRING SHALL BE INSTALLED IN ACCORDANCE WITH THE REQUIREMENTS AND IN ACCORDANCE WITH THE STRUCTURAL ENGINEER'S REQUIREMENTS. DO NOT UNDER ANY CIRCUMSTANCES CUT OR MODIFY PRE-MANUFACTURED TRUSSES.
5. SPRINKLER SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURERS INSTRUCTIONS, LIGHT FIXTURES, CABINETS, ETC PRIOR TO INSTALLATION OF SPRINKLER HEADS.
6. ALL PENETRATIONS THROUGH FIRE RATED ASSEMBLIES SHALL BE FIRE STOPPED, AND FIRE STOPPING MATERIAL SHALL BE INSTALLED PER MANUFACTURERS INSTRUCTION BY OTHERS.
7. SPRINKLER PIPE SIZING HAS BEEN ESTABLISHED BY HYDRAULIC CALCULATIONS.
8. THE OWNER SHALL BE RESPONSIBLE TO PROVIDE A RELIABLE WATER SUPPLY THAT IS CAPABLE OF MEETING THE MOST PROTECTIVE REQUIREMENTS.

PROJECT DETAILS

NFPA CODE: 13R 2019

SYSTEM TYPE: WET SYSTEM
PIPE TYPE: BLAZEMASTER CPVC
MAX SPRINKLER SPACING REQUIREMENTS: 16'x16' @13 GPM
MINIMUM SPRINKLER SPACING: 8' BETWEEN SPRINKLERS
MINIMUM DESIGN DENSITY: 0.05 GPM/SQ.FT.

NFPA & AHJ REQUIREMENTS

1. THE DESIGN DISCHARGE SHALL BE ALL OF THE SPRINKLERS WITHIN A SINGLE COMPARTMENT, UP TO A MAXIMUM OF FOUR SPRINKLERS, THAT REQUIRE THE MINIMUM HYDRAULIC DESIGN.
2. SPRINKLERS SHALL NOT BE REQUIRED IN BATHROOMS OF 55 SQ. FT. AND LESS.
3. SPRINKLERS SHALL NOT BE REQUIRED IN CLOTHES CLOSETS, LINEN CLOSETS, A PANTRIES THAT DO NOT EXCEED 24 SQ. FT. AND HAVE WALLS AND CEILINGS FINISHED WITH NONCOMBUSTIBLE MATERIALS OR WITH FIBERGLASS CERAMIC.
4. SPRINKLERS SHALL NOT BE REQUIRED IN ATTICS OR CRAWLSPACES.
5. SPRINKLER HEADS SHALL BE AT LEAST 3 FT. AWAY FROM CEILING FANS AND SURFACE MOUNTED LIGHT FIXTURES.
6. ALL SPRINKLERS SHALL MAINTAIN THE MINIMUM REQUIRED DISTANCES FROM THE FIRE SOURCES IN ACCORDANCE WITH NFPA 13.
7. SPRINKLER HEADS UNDER SLOPE CEILINGS TO BE MEASURED ALONG THE SLOPE.

CPVC FIRE SPRINKLER PIPE GUIDELINES

INSTALLING CONTRACTOR TO PROVIDE AN INSTALLATION THAT IS IN 100% COMPLIANCE WITH THESE GUIDELINES. RESIDENTIAL DESIGN CANNOT BE RESPONSIBLE FOR THE WILLFUL OR NEGLIGENT ACTIONS OF OTHER PARTIES THAT DO NOT FOLLOW THE BELOW GUIDELINES.

THESE GUIDELINES ARE

- DO NOT STACK, SUPPORT, HANG EQUIPMENT, OR HANG FLEXIBLE WIRE/CABLE ESPECIALLY COMMUNICATIONS CABLE, OR OTHER MATERIAL ON THE FIRE SPRINKLER
 - DO NOT EXPOSE CPVC PRODUCTS TO INCOMPATIBLE SUBSTANCES, SUCH AS:
 - BUTYL ADHESIVES/TABASED PAINTS, PACKING OILS, TRADITIONAL PIPE THREAD DOSE AND DOPE, FUNGICIDES, TERMITICIDES, INSECTICIDES, DETERGENTS, BULKING CAULKING, ADHESIVE TAPE, SOLDER FLUX, FLEXIBLE WIRE/CABLE (WITH SPECIAL CONSIDERATION FOR COMMUNICATIONS CABLES), AND NON-CAPABLE SPRAY FOAM INSULATION MATERIALS.
 - DO NOT EXPOSE CPVC PRODUCTS TO EDIBLE OILS, SOLVENTS, OR GLYCOL-BASE ANTI-FREEZE FLUIDS
 - DO NOT EXPOSE CPVC PRODUCTS TO OPEN FLAME, SOLID, AND BURNING FLUX
 - DO NOT DROP, DISTORT, OR IMPACT CPVC PRODUCTS OR ALLOW OBJECTS TO BE DROPPED ON CPVC PRODUCTS
 - DO NOT HANDLE CPVC PRODUCTS WITH GLOVES CONTAMINATED WITH OILS (HYDROCARBONS) OR OTHER INCOMPATIBLE MATERIALS.
 - DO NOT CONNECT CPVC WITH M.I.C. INHIBITORS UNLESS THEY ARE LISTED IN COMINATION WITH THIS SYSTEM
- FAILURE TO FOLLOW THIS NOTICE MAY CAUSE CRACKS OR FRACTURES TO DEVELOP IN CPVC PRODUCTS RESULTING IN PROPERTY DAMAGE DUE TO LEAKS OR FLOODING. THE PRESENCE OF ANY VISIBLE CRACKS MAY REQUIRE PARTIAL OR FULL SYSTEM

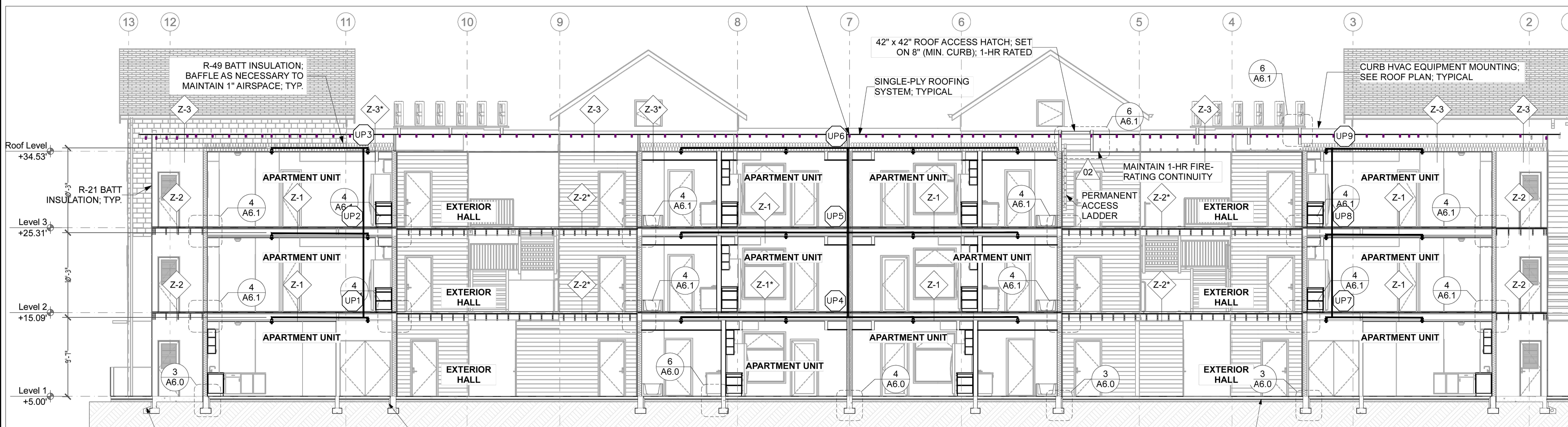
FREEZE PROTECTION

THIS SYSTEM IS A WEI* SYSTEM, PRECAUTION MUST BE TAKEN TO PROTECT THE PIPING FROM EXTREME FREEZING TEMPERATURES. IT IS THE RESPONSIBILITY OF THE OWNER AND INSULATION INSTALLER TO ENSURE SUFFICIENT INSULATION IS PROVIDED AND INSTALLED CORRECTLY TO MAINTAIN ALL PIPING AT 40 DEG MINIMUM IN ALL AREAS. THE METHOD TO ACHIEVE THIS CONTROL OF TEMPERATURE SHALL BE IN ACCORDANCE WITH NFPA 13R. DESIGNER AND ENGINEER OF RECORD WILL NOT BE RESPONSIBLE FOR ANY FREEZING PIPE OR DAMAGE CAUSED BY FREEZING PIPING

TABLE 1 MAXIMUM SUPPORT SPACING DISTANCE END LINE SPRINKLER LEAD DROP ELBOW			TABLE 2 50R BS (ASTM F442) HANGER SPACING			Note: Minimum Curve Prior To Pressure Testing (200 PSI)				
PIPE SIZE Inches	SYSTEM PRESSURE		NOMINAL SIZE Inches	MAX SPACING feet	(ft)	Pipe Size	Ambient Temperature During Cure Period			
	< 100 psi	> 100 psi					60 TO 120 DEG. F	40 TO 59 DEG. F	0 TO 39 DEG. F	
3/4"			3/4"	(26.0)	55" (17)	3/4"	45 MINUTES	1 1/2 HOURS	24 HOURS	
1"			1"	(75.0)	60" (18)	1"	45 MINUTES	1 1/2 HOURS	24 HOURS	
1 1/4"			1 1/4"	(31.0)	65" (20)	1 1/4"	1 1/2 HOURS	16 HOURS	120 HOURS	
1 1/2"			1 1/2"	(40.0)	70" (21)	2"	6 HOURS	36 HOURS		
2"			2"	(50.0)	80" (24)	2 1/2"	8 HOURS	72 HOURS		
2 1/2"			2 1/2"	(60.0)	90" (26)	3"	8 HOURS	72 HOURS		
3"			3"	(80.0)	100" (30)					

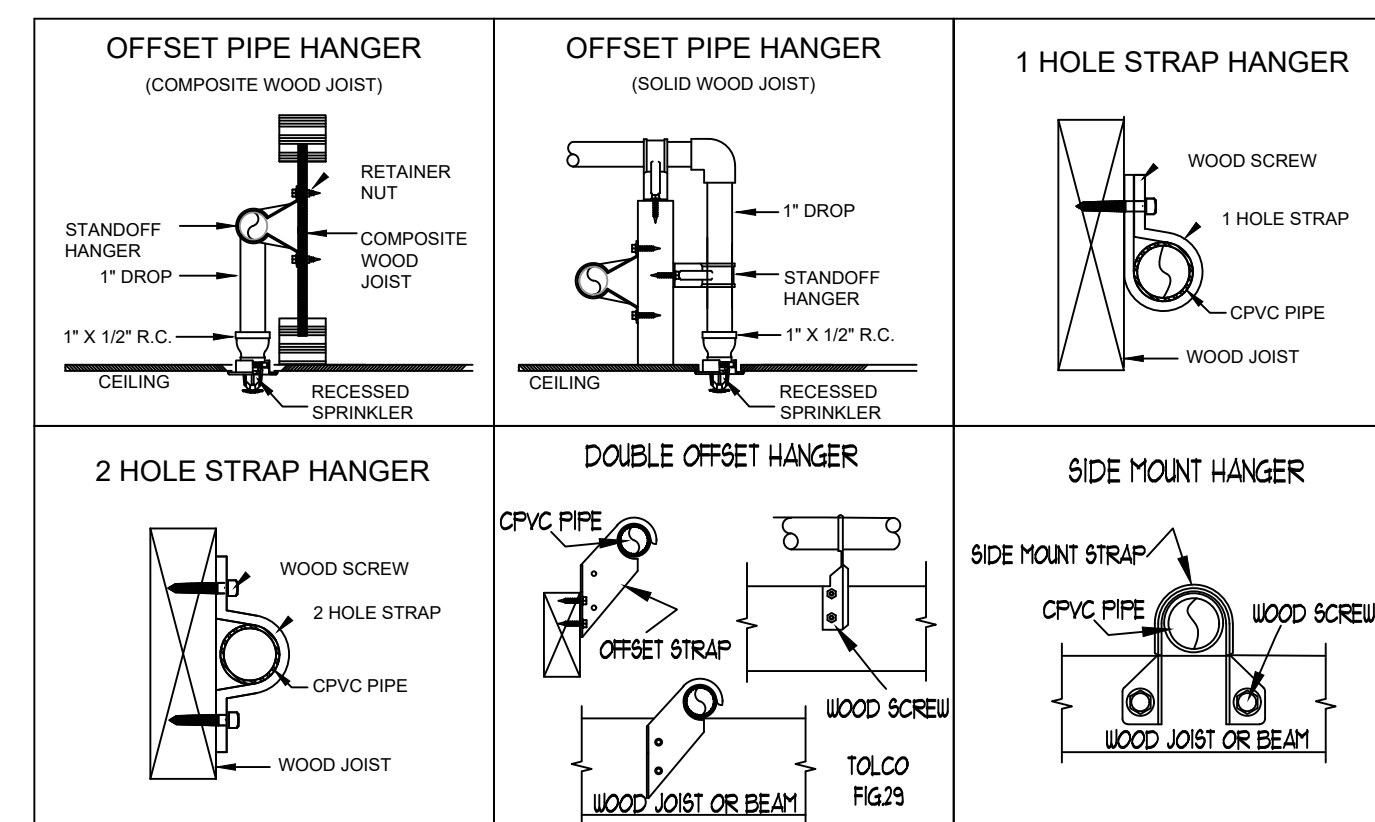
Hydraulic Calculation Data
Design Area Number: RA#3
Design Area Location: LEVEL-3 SOUTH STAIRWELL
Hazard/Occupancy: LIGHT HAZARD
Design Density: 0.10
Design Area: 273sqft
Number of Sprinklers in Design Area: 4
System Flow: 60,342
System Pressure: 33,338 SAFETY FACTOR = 6.63 PSI @ 16.6%
Hose Allowance (Included): 0

Occupancy Classification	NFPA-13R (2019)
Commodity Classification	N/A
Maximum Storage Height	N/A

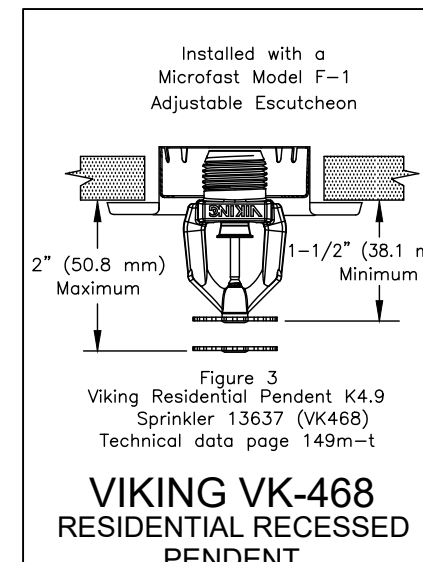
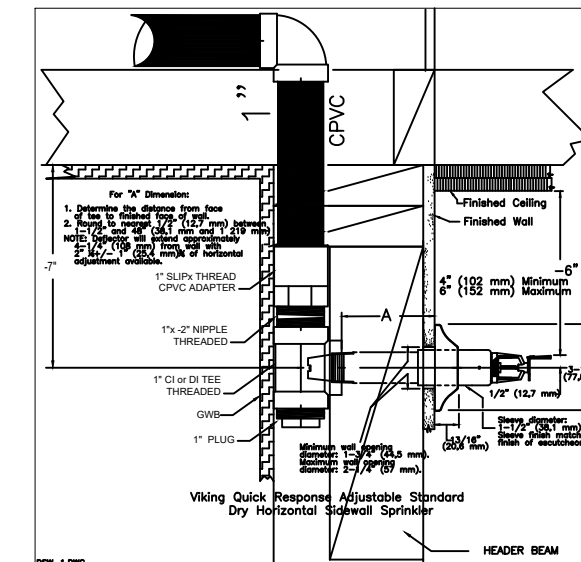
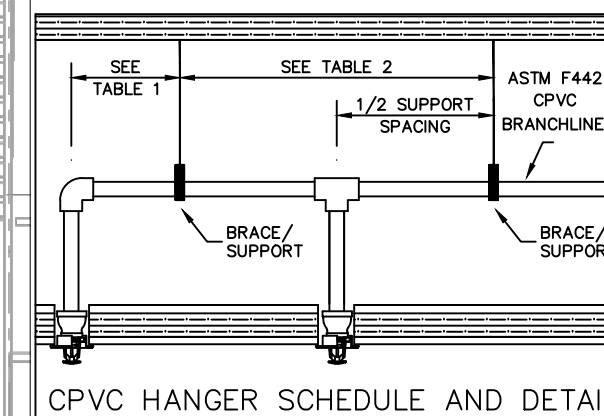


BUILDING SECTION 2

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



* DO NOT STUB DOWN DSWS ON LEVELS 142
SEE DECK DETAILS & BREEZEWAY DETAILS ON FP-20



SPRINKLER HEAD SCHEDULE					
SYMBOL	COUNT	THREAD	K-FACTOR	DESCRIPTION	NOTE
	262	1/2"	4.9	HEAD1= VIKING VK68 WHITE RESIDENTIAL RECESSED PENDENT 175°F.	on Drop
	48	1"	5.6	SIDE1= VIKING VK178 QR CHROME DRY HORIZONTAL SIDEWALL 200°F.	
310 = TOTAL NUMBER OF HEADS BUILDING B					

PROJECT	EAST TOWN CROSSING BUILDING B
ADDRESS	2902 E PIONEER
CITY	PUYALLUP, WA 98372
DATE	FIRE SPRINKLER LEVEL 3 DRAWING



SPRINX
FIRE PROTECTION
EST. 1989

A Fire
Sprinkler
Corporation
2079 JAHN AVE NW SUITE 400
City Harbor, WA 98335-1725
Phone 256.858.7760
Fax 256.853.9890

Date:	01/02/2025	Drawn:	AJP	Page:	4	of	4
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[illegible]

GENERAL	MKW LEGACY LLC
ADDRESS	7809 PACIFIC AVE
CITY	TACOMA, WA 98408
SUPER.	ADAM RAYGOR
JOB PHONE #	253-961-9976
FIELD INSPECTIONS	
NAME	CITY OF PUYALLUP
PHONE #	(253) 864-4165

STANDARD SYMBOLS
Pipe Coupling
Pipe Drop
Pipe Rise
Pipe End Cap
2-WAY EARTHQUAKE BRACE
4-WAY EARTHQUAKE BRACE
PIPE HANGER
Hydraulic Reference Points
Elev. Below Top of Steel
Elev. Above Finished Floor
Ceiling Height

WA. STATE LEVEL 3 STAMP

Expires
DEC 31, 25

WASHINGTON STATE
CERTIFICATE OF COMPETENCY
FIRE SPRINKLER SYSTEMS

Joseph G. Faulkner
9491-0699-CEG Level 3
Sprinx Fire Protection, Inc.
SPRINF011LS

Joseph G. Faulkner 01/07/2023

Signature Date



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

Sheet Title:
BLDG-B LEVEL 3

Sheet Number:

FP-3.0

THE CASE