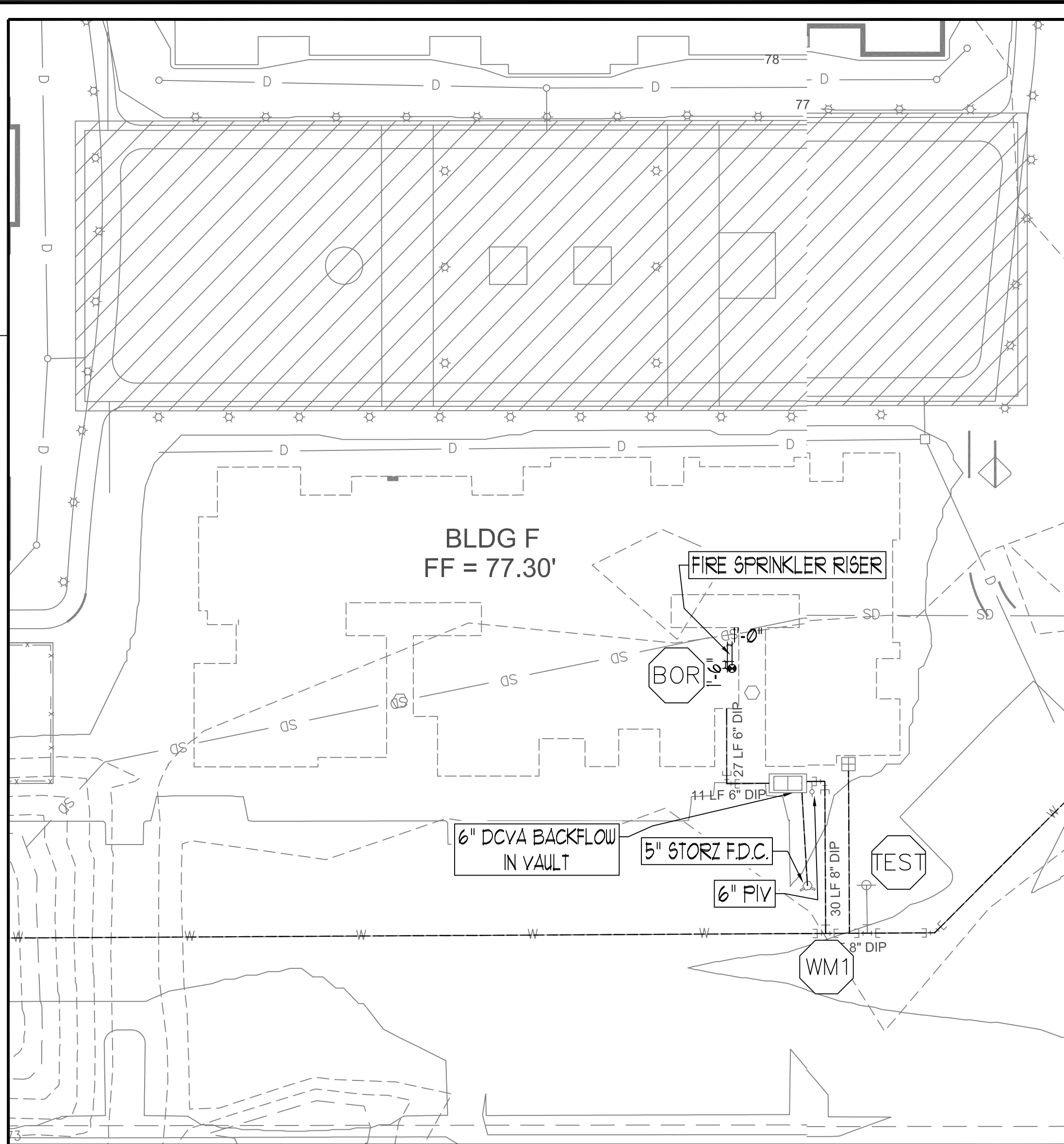
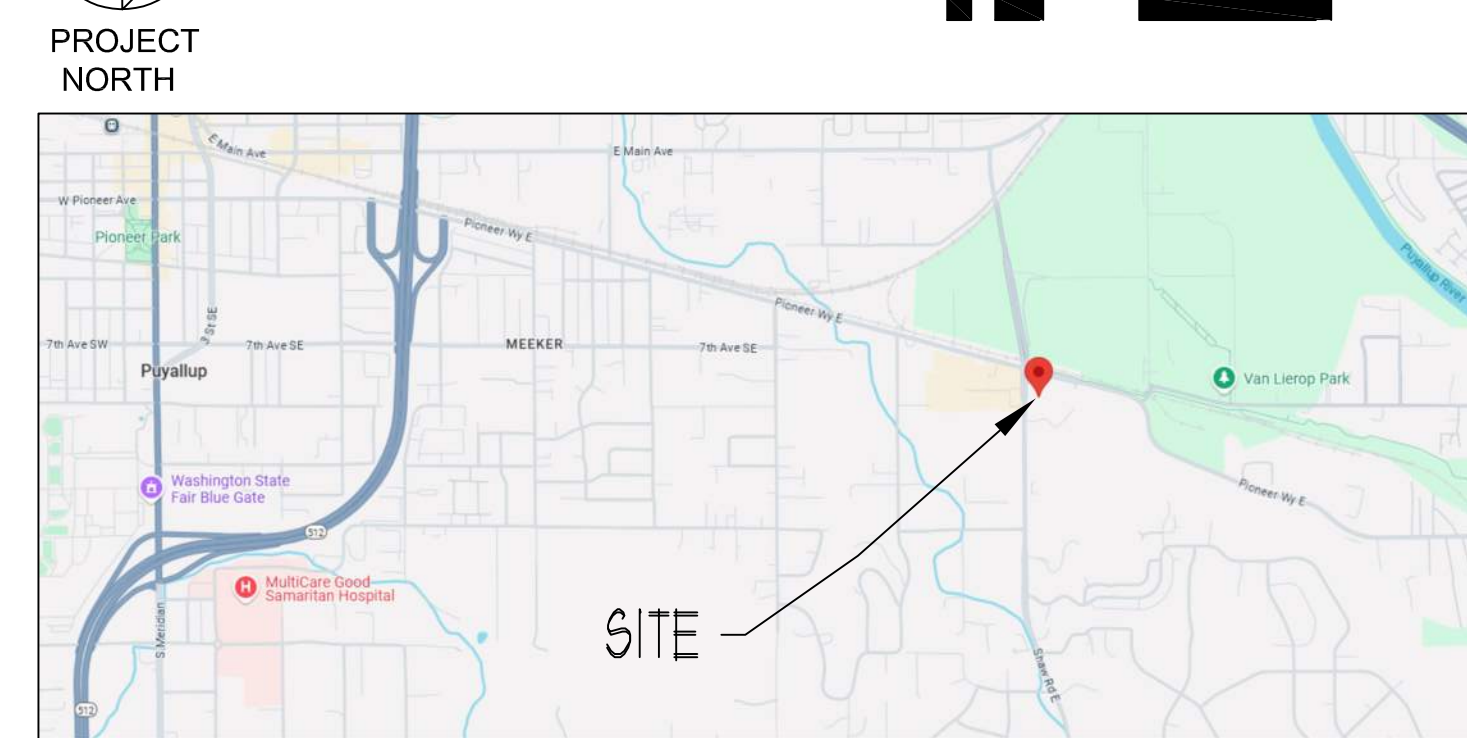


SITE PLAN
SCALE: 1" = 40'-0"

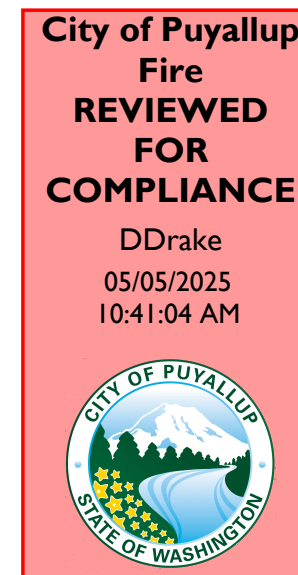


BUILDING-F SITE PLAN
SCALE: 1" = 20'-0"



VICINITY MAP
SCALE: NTS

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



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				
Symbol	Count	Thread	K-Factor	Description
●	229	1/2"	4.9	HEAD1= VIKING VK468 WHITE RESIDENTIAL RECESSED PENDENT 175°F.
◀	69	1"	5.6	SIDE1= VIKING VK178 QR CHROME DRY HORIZONTAL SIDEWALL 200°F.
298 = TOTAL NUMBER OF HEADS BUILDING F				

PROJECT: EAST TOWN CROSSING BUILDING F
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
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 05/31/25
WASHINGTON STATE
CERTIFICATE OF COMPETENCY
FIRE SPRINKLER SYSTEMS
Joseph G. Faulkner
9451-0690-CEG
Sprinx Fire Protection, Inc.
SPRINFPO11LS

Signature: [] Date: []

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

Scale: 1" = 40'-0"

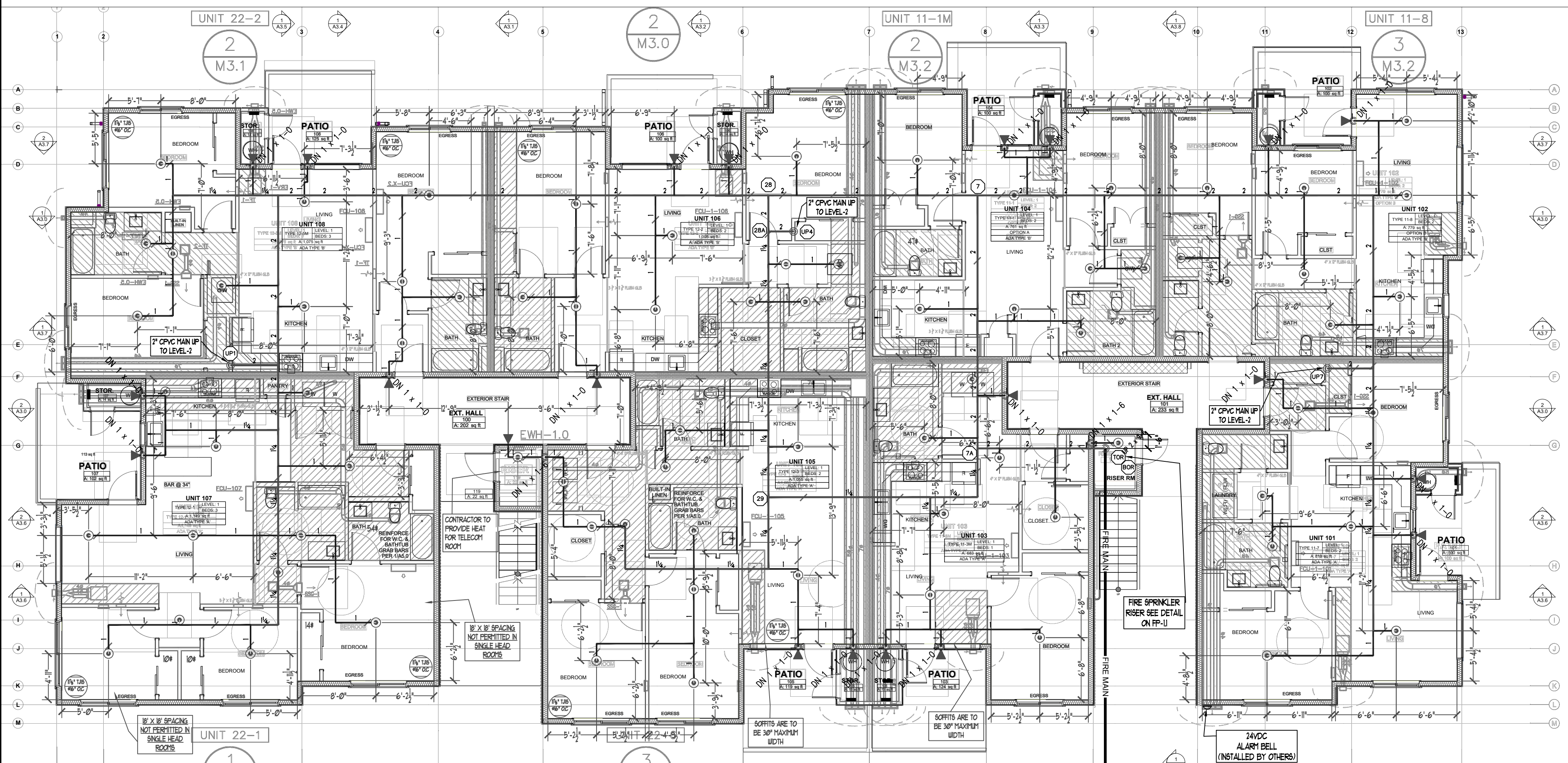
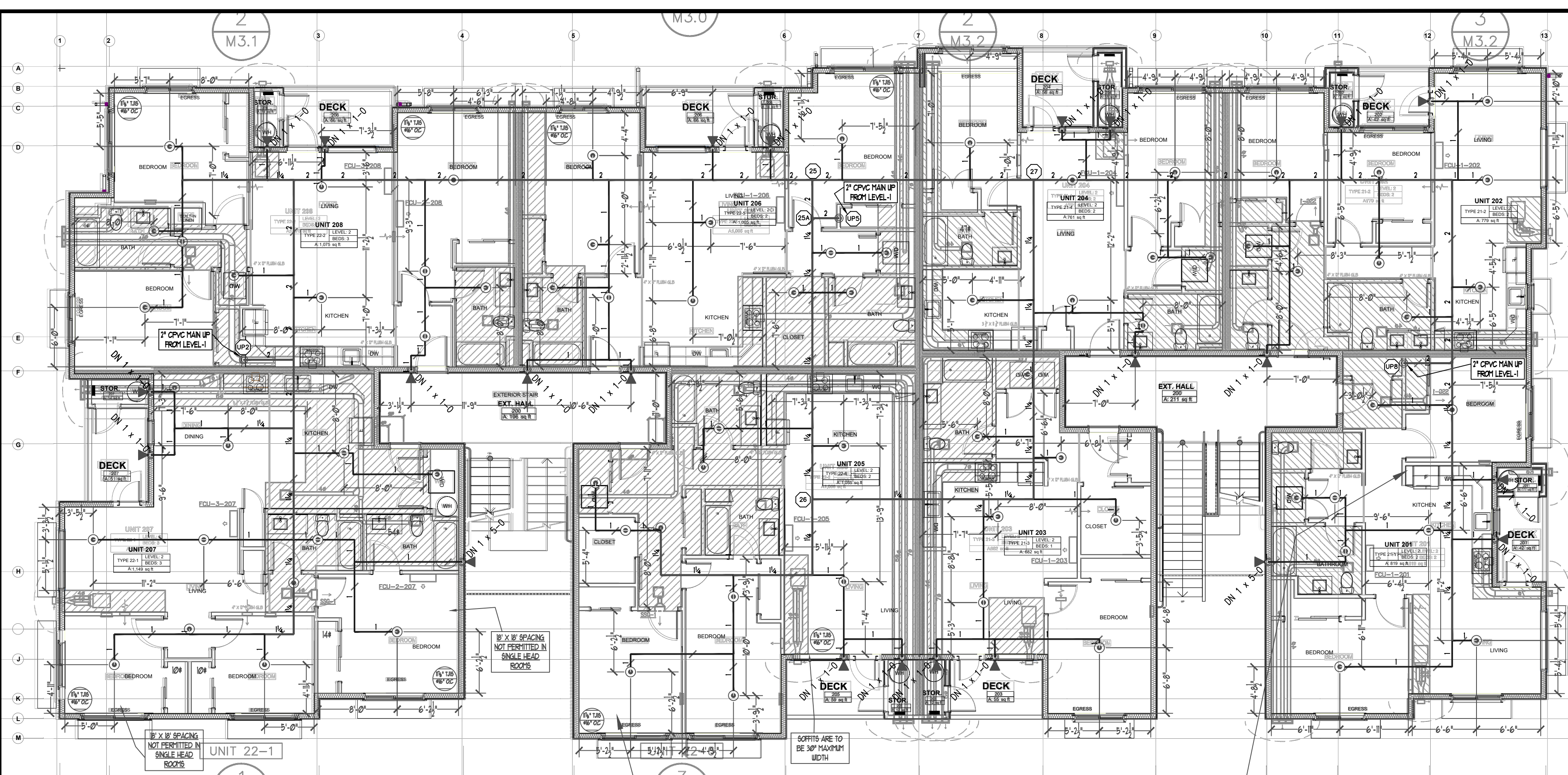
Page 1 of 4

SPRINX
FIRE PROTECTION
A Fire Sprinkler Corporation
2709 ANN AVE NW, SUITE 102
Gig Harbor, WA 98343-1735
EST. 1999
Fax: 253.853.5890

Date: 12/03/2024 Drawn: AJP

FP-1.0

File Name: ETC SITE PLAN.dwg



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.
- HANGER TYPES AND SPACING SHALL BE INSTALLED PER NFPA 13R AND MANUFACTURER'S LISTING.
- SPRINKLER LOCATIONS AND SPACING PER NFPA 13R AND MANUFACTURER'S LISTING. ANY AND ALL ALARM SYSTEM WIRING AND 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-MANUFACTURED TRUSSES.
- INSTALLER SHALL VERIFY FINISH CEILING ELEVATION, OBSTRUCTIONS, LIGHT FIXTURES, CABINETS, ETC PRIOR TO INSTALLATION OF SPRINKLER HEADS. ALL PENETRATIONS THROUGH FIRE RATED ASSEMBLIES SHALL BE FIRE STOPPED. FIRE STOPPING MATERIAL SHALL BE INSTALLED PER MANUFACTURER'S INSTRUCTION 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
NFPA CODE: 13R 2019
SYSTEM TYPE: WET SYSTEM
PIPE TYPE: BLAZEMASTER CPVC
MAX SPRINKLER SPACING REQUIREMENTS: 16'x16' @13 GPM, 18'x18' @17 GPM (1 HEAD RM.)
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 HYDRAULIC DEMAND.
- 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 SURFACED WITH NONCOMBUSTIBLE OR LIMITED COMBUSTIBLE MATERIALS.
- 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.

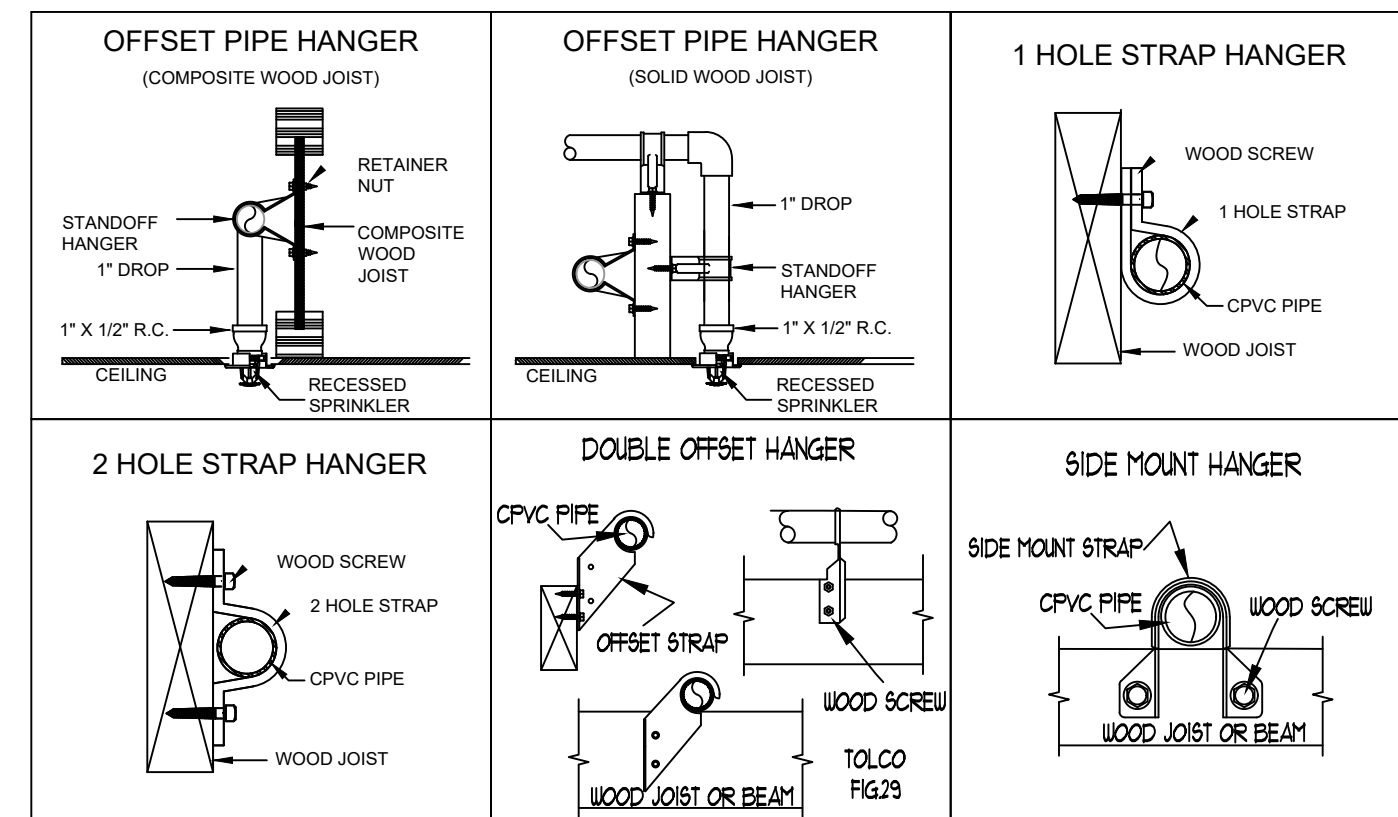
CPVC FIRE SPRINKLER PIPE GUIDELINES
INSTALLING CONTRACTOR TO PROVIDE AN INSTALLATION THAT IS IN 100% COMPLIANCE WITH THESE GUIDELINES. RESIDENTIAL DESIGN CANNOT BE RESPONSIBLE FOR THE WILLFUL OR NEGLIGENT ACTIONS OF OTHER PARTIES THAT DO NOT FOLLOW THE BELOW GUIDELINES.

THESE GUIDELINES ARE:

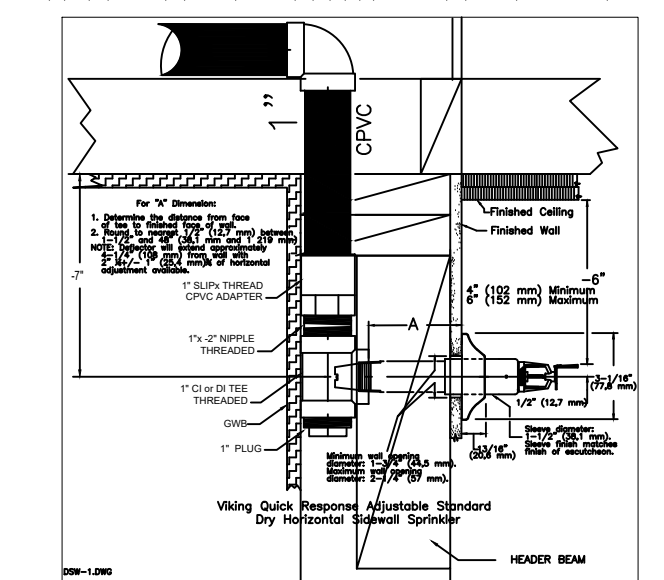
- DO NOT STACK, SUPPORT, HANG EQUIPMENT, OR HANG FLEXIBLE WIRE/CABLE, ESPECIALLY COMMUNICATIONS CABLE, OR OTHER MATERIAL ON THE FIRE SPRINKLER.
- DO NOT EXPOSE CPVC PRODUCTS TO INCOMPATIBLE SUBSTANCES, SUCH AS CUTTING OILS, NON-WATER-BASED PAINTS, PACKING OILS, TRADITIONAL PIPE THREAD PASTE AND DOPE, FUNGICIDES, TERMITICIDES, INSECTICIDES, DETERGENTS, BULKING CAULKING, ADHESIVE TAPE, SOLDER FLUX, FLEXIBLE WIRE/CABLE (WITH SPECIAL CONSIDERATION FOR COMMUNICATIONS CABLE), AND NON-APPROVED SPRAY FOAM INSULATION MATERIALS.
- DO NOT EXPOSE CPVC PRODUCTS TO EDIBLE OILS, SOLVENTS, OR GLYCOL-BASED ANTI-FREEZE 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 SYSTEM WITH M.I.C. INHIBITORS UNLESS THEY ARE LISTED IN COMBINATION WITH THIS SYSTEM.

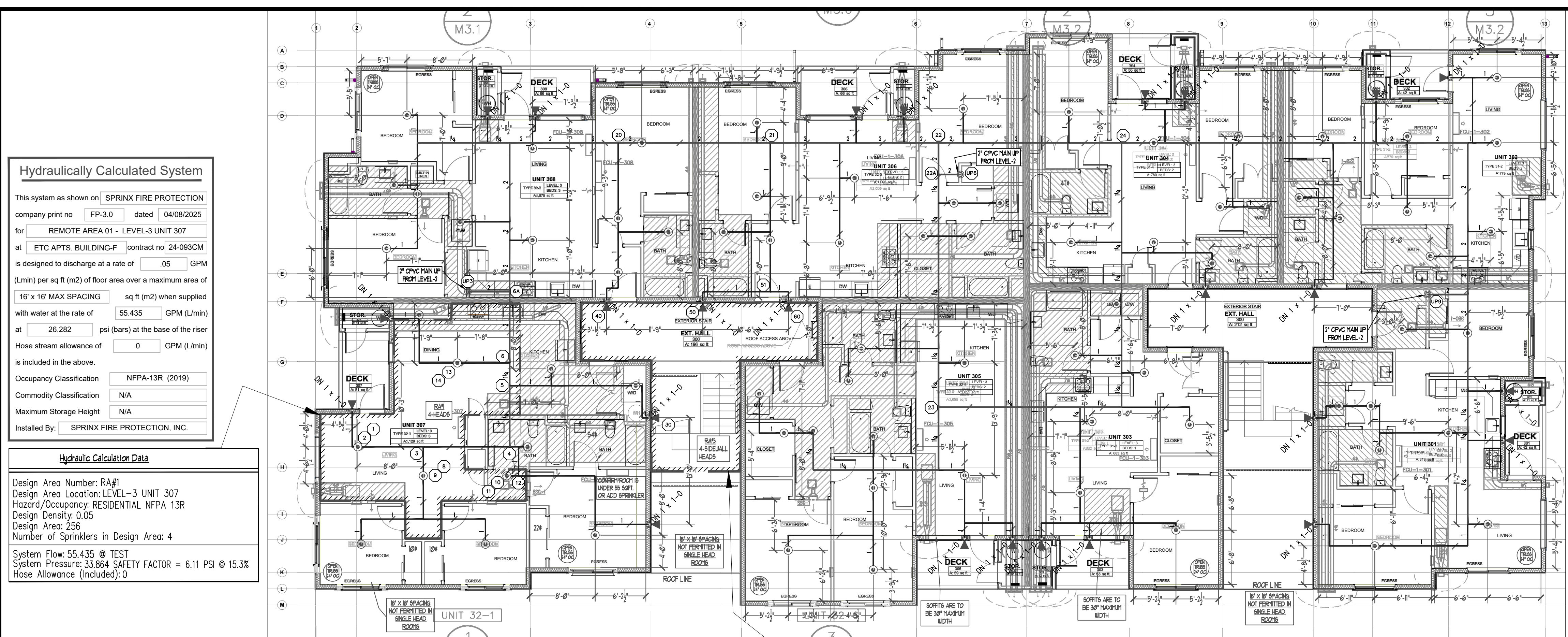
FAILURE TO FOLLOW THIS NOTICE MAY CAUSE CRACKS OR FRACTURES TO DEVELOP IN CPVC PRODUCTS RESULTING IN PROPERTY DAMAGE DUE TO LEAKS OR FLOODING. THE PRESENCE OF ANY VISIBLE CRACKS MAY REQUIRE PARTIAL OR FULL SYSTEM REPLACEMENT.

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 D&W'S ON LEVELS 1 & 2
SEE DECK DETAILS & BREEZEWAY DETAILS ON FP-2.0





Hydraulically Calculated System

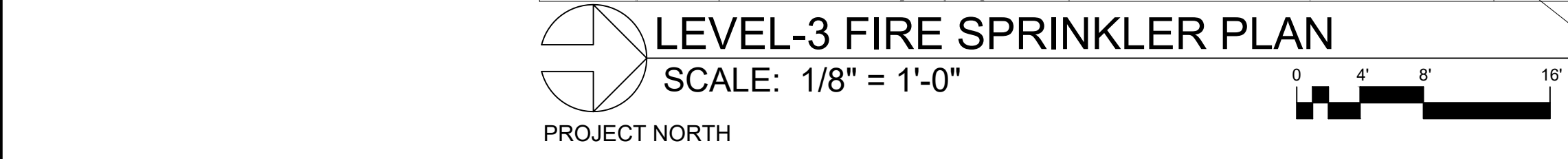
This system as shown on SPRINX FIRE PROTECTION company print no. FP-3.0 dated 04/08/2025 for REMOTE AREA 01 - LEVEL-3 UNIT 307 at ETC APTS. BUILDING-F contract no. 24-093CM is designed to discharge at a rate of .05 GPM (L/min) per sq ft (m2) of floor area over a maximum area of 16' x 16' MAX SPACING sq ft (m2) when supplied with water at the rate of 55.435 GPM (L/min) at 26.282 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: SPRINX FIRE PROTECTION, INC.

Hydraulic Calculation Data

Design Area Number: RA#1
Design Area Location: LEVEL-3 UNIT 307
Hazard/Occupancy: RESIDENTIAL NFPA 13R
Design Density: 0.05
Number of Sprinklers in Design Area: 4

System Flow: 55.435 @ TEST
System Pressure: 33.864 SAFETY FACTOR = 6.11 PSI @ 15.3%
Hose Allowance (Included): 0



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.
 - HANGER TYPES AND SPACING SHALL BE INSTALLED PER NFPA 13R AND MANUFACTURERS LISTING.
 - SPRINKLER LOCATIONS AND SPACING PER NFPA 13R AND MANUFACTURERS LISTING.
 - ANY AND ALL ALARM SYSTEM WIRING AND 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-MANUFACTURED TRUSSES.
 - INSTALLER SHALL VERIFY FINISH CEILING ELEVATION, OBSTRUCTIONS, LIGHT FIXTURES, CABINETS, ETC PRIOR TO INSTALLATION OF SPRINKLER HEADS.
 - ALL PENETRATIONS THROUGH FIRE RATED ASSEMBLIES SHALL BE FIRE STOPPED. FIRE STOPPING MATERIAL SHALL BE INSTALLED PER MANUFACTURERS INSTRUCTION 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

NFPA CODE: 13R 2019
SYSTEM TYPE: WET SYSTEM
PIPE TYPE: BLAZEMASTER CPVC
MAX SPRINKLER SPACING REQUIREMENTS: 16'x16' @13 GPM, 16'x16' @17 GPM (1 HEAD RM.)
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 HYDRAULIC DEMAND.
 - SPRINKLERS SHALL NOT BE REQUIRED IN BATHROOMS OF 65 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 SURFACED WITH NONCOMBUSTIBLE OR LIMITED COMBUSTIBLE MATERIALS.
 - SPRINKLERS SHALL NOT BE REQUIRED IN ATTICS OR CRAWL SPACES.
 - 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 PASTE AND DOPE, FLUORIDES, TERMITICIDES, INSECTICIDES, DETERGENTS, BULKING CAULKING, ADHESIVE TAPE, SOLDER FLUX, FLEXIBLE WIRE/CABLE (WITH SPECIAL CONSIDERATION FOR COMMUNICATIONS CABLE), AND NON-APPROVED SPRAY FOAM INSULATION MATERIALS
- DO NOT EXPOSE CPVC PRODUCTS TO EDIBLE OILS, SOLVENTS, OR GLYCOL-BASED ANTI-FREEZE 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 SYSTEM 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.

TABLE 1
MAXIMUM SUPPORT SPACING DISTANCE
END LINE SPRINKLER HEAD DROP ELBOW

PIPE SIZE Inches	SYSTEM PRESSURE < 100 psi	> 100 psi
3/4"	9"	6"
1"	12"	9"
1 1/4"	16"	12"
1 1/2"-3"	24"	12"

TABLE 2
SOR 15 (ASTM F442)
HANGER SPACING

NOMINAL SIZE Inches (mm)	feet (m)	MAX SPACING feet (m)
3/4" (19.05)	5.5' (1.68)	6' (1.83)
1" (25.4)	6.5' (2.0)	7' (2.13)
1 1/4" (31.75)	6.5' (2.0)	7' (2.13)
1 1/2" (38.1)	8' (2.44)	8' (2.44)
2" (50.8)	8' (2.44)	8' (2.44)
2 1/2" (63.5)	8' (2.44)	8' (2.44)
3" (76.2)	8' (2.44)	8' (2.44)

* Solvent Cement can be applied at a temperature below 40 deg. F for 2" and larger, however the temperature of the system must be raised to 40 deg. F or higher and allowed to cure per the above recommendations prior to pressure testing. When bringing cement, pipe or fittings in from the outside, be certain they are brought up to room temperature before using the 60 to 120 deg. F cure schedule.

Note: Minimum Cure Prior To Pressure Testing (200 PSI)

Pipe Size	Ambient Temperature During Cure Period	60 To 120 Deg. F	40 To 59 Deg. F	0 To 39 Deg. F
3/4"	45 MINUTES	1 1/2 HOURS	24 HOURS	
1"	45 MINUTES	1 1/2 HOURS	24 HOURS	
1 1/4" & 1 1/2"	1 1/2 HOURS	16 HOURS	120 HOURS	
2"	6 HOURS	36 HOURS	*	
2 1/2" & 3"	8 HOURS	72 HOURS	*	

* Solvent Cement can be applied at a temperature below 40 deg. F for 2" and larger, however the temperature of the system must be raised to 40 deg. F or higher and allowed to cure per the above recommendations prior to pressure testing. When bringing cement, pipe or fittings in from the outside, be certain they are brought up to room temperature before using the 60 to 120 deg. F cure schedule.

Hydraulically Calculated System

This system as shown on SPRINX FIRE PROTECTION company print no. FP-3.0 dated 04/08/2025 for REMOTE AREA 03 - LEVEL-3 STAIRWELL at ETC APTS. BUILDING-F contract no. 24-093CM is designed to discharge at a rate of .10 GPM (L/min) per sq ft (m2) of floor area over a maximum area of 4 HEAD SIDEWALL CALC sq ft (m2) when supplied with water at the rate of 60.085 GPM (L/min) at 25.242 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: SPRINX FIRE PROTECTION, INC.

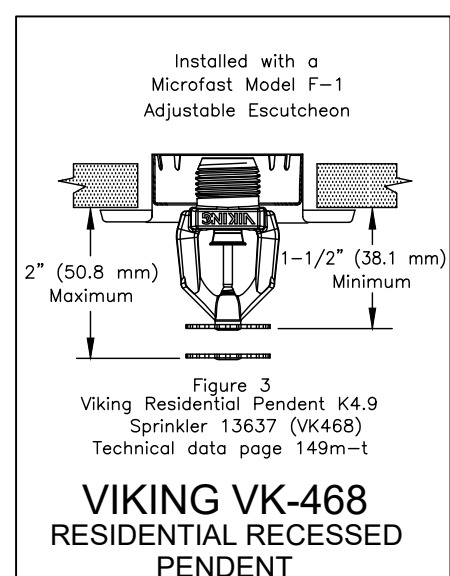
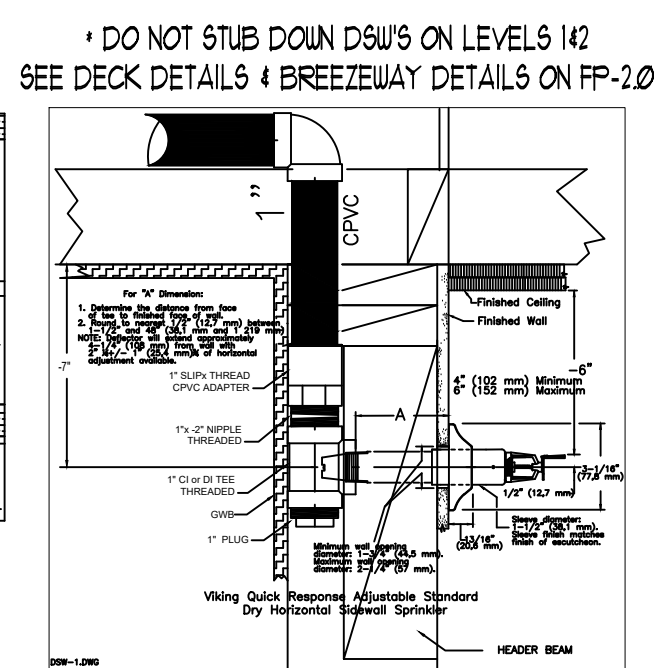
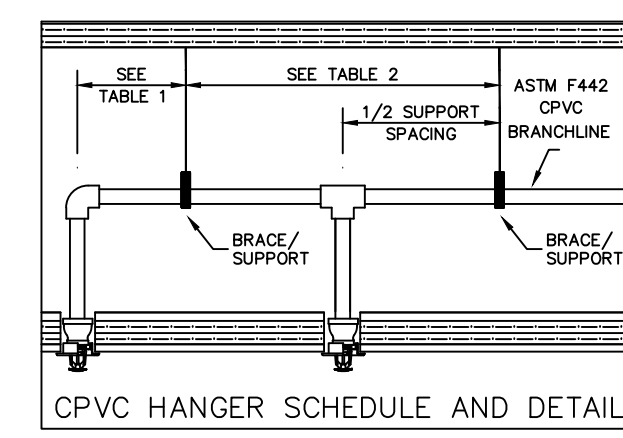
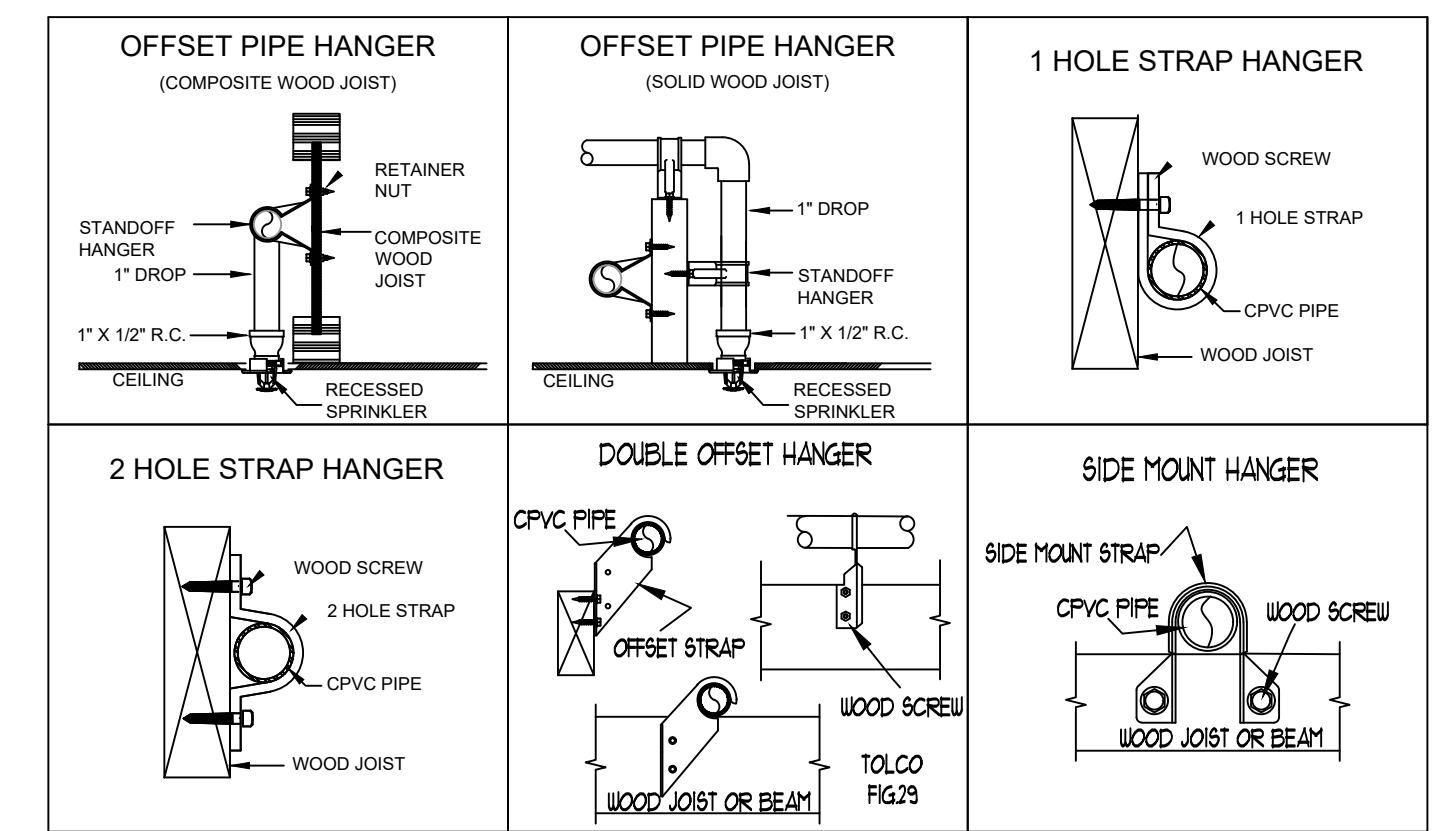
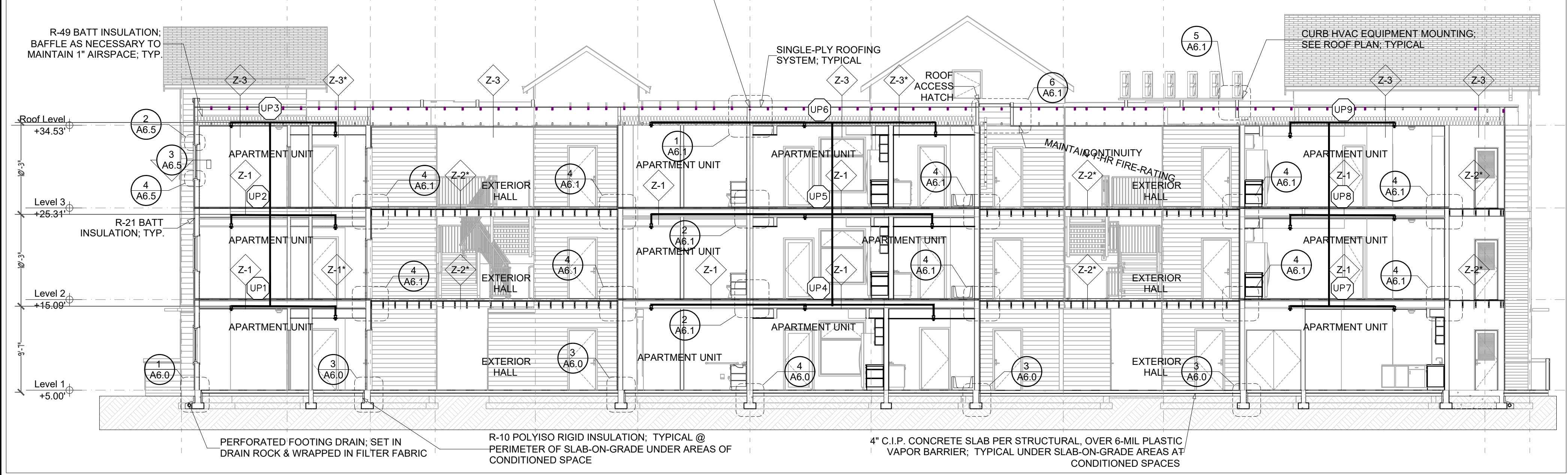
Hydraulic Calculation Data

Design Area Number: RA#3
Design Area Location: LEVEL-3 STAIRWELL
Hazard/Occupancy: LIGHT HAZARD
Design Density: 0.10
Design Area: 273sqft
Number of Sprinklers in Design Area: 4

System Flow: 60.085
System Pressure: 32.765 SAFETY FACTOR = 7.20 PSI @ 18.0%
Hose Allowance (Included): 0

RESIDENTIAL SPRINKLERS
MAXIMUM SPACING 16' X 16'

ALL SOFFITS TO BE UNDER
30" PER CONTRACTOR



BUILDING SECTION 2
SCALE: 1/8" = 1'-0"

Sprinkler Head Schedule

Symbol	Count	Thread	K-Factor	Description	Note
⊙	229	1/2"	4.9	HEAD1= VIKING VK468 WHITE RESIDENTIAL RECESSED PENDENT 175°F.	ON DROP
◄	69	1"	5.6	SIDE1= VIKING VK178 OR CHROME DRY HORIZONTAL SIDEWALL 200°F.	

298 = TOTAL NUMBER OF HEADS BUILDING F

PROJECT: EAST TOWN CROSSING BUILDING F
ADDRESS: 2902 E PIONEER
CITY: PUYALLUP, WA 98372
TITLE: FIRE SPRINKLER LEVEL 3 DRAWING

SPINX
FIRE PROTECTION
EST. 1989
A Fire Protection Corporation
Cont. Lic. # SPRINFP01
Fax: 253.855.5890

Date: 04/08/2025 Drawn: AJP Page: 4 of 4

REVISIONS	DATE	DESCRIPTION

GENERAL

ADDRESS: 7809 PACIFIC AVE
CITY: TACOMA, WA 98408
SUPER: ADAM RAYGOR
JOB PHONE: 253-961-9976

INSPECTIONS

CITY OF PUYALLUP
(253) 864-4165

STANDARD SYMBOLS	WA. STATE LEVEL 3 STAMP
Pipe Coupling	<p>WASHINGTON STATE Joseph G. Faulkner 9491-0699-CEG Level 3 Sprinx Fire Protection, Inc. SPRINFP0111S</p> <p>Signature: _____ Date: _____</p> <p>SCALE: 1/8" = 1'-0"</p> <p>Project No: 24-093CM Sheet Title: BLDG-F LEVEL 3</p>
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	

FP-3.0

File Name: ETC Building F.dwg