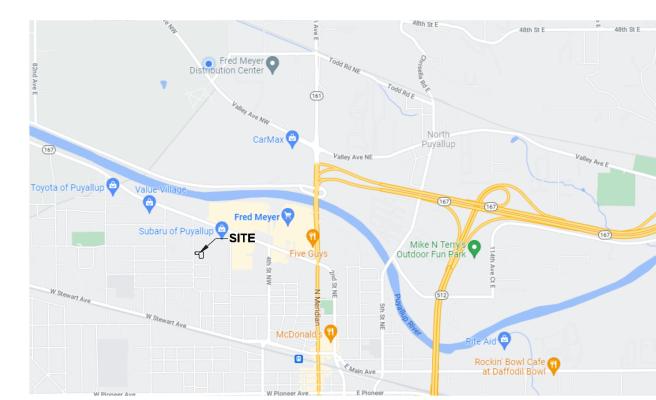


RHFP STANDARD RESIDENTIAL RISER KIT							
ITEM#	QTY	SIZE	DESCRIPTION	MANUFACTURE			
1	1	1/4	PRESSURE GAUGE	GENERIC			
2	2	1	CPVC MALE ADAPTER	SPEARS			
3	1	1	BALL VALVE FOR DRAIN	GENERIC			
4	1	1½ x 1	VSR-SG WATERFLOW SWITCH	POTTER			
5	1	1½	CPVC UNION	SPEARS			
ADDITIONAL COMPONENTS							

ADDITIONAL COMPONENTS							
ITEM#	TEM# QTY SIZE		DESCRIPTION	MANUFACTURER			
6	1	1½	CPVC MALE ADAPTER	SPEARS			
7	1	1½	2000B DOUBLE CHECK BACKFLOW	AMES			
8	1	1½	0-3 BRASS NIPPLE	GENERIC			
9	1	1½	THREADED FEMALE ADAPTER	GENERIC			
10	1	N/A*	SPARE STOCK BOX	GENERIC			
11	1	6" / 120V	ELECTRIC BELL (NOT SHOWN)	POTTER			
12	1	6 x 2	CONTROL VALVE SIGN (NOT SHOWN)	GENERIC			
13	1	6 x 2	MAIN DRAIN SIGN (NOT SHOWN)	GENERIC			
		*SPA	RE SPRINKLERS LEFT IN SPRINKLER BO	OX			





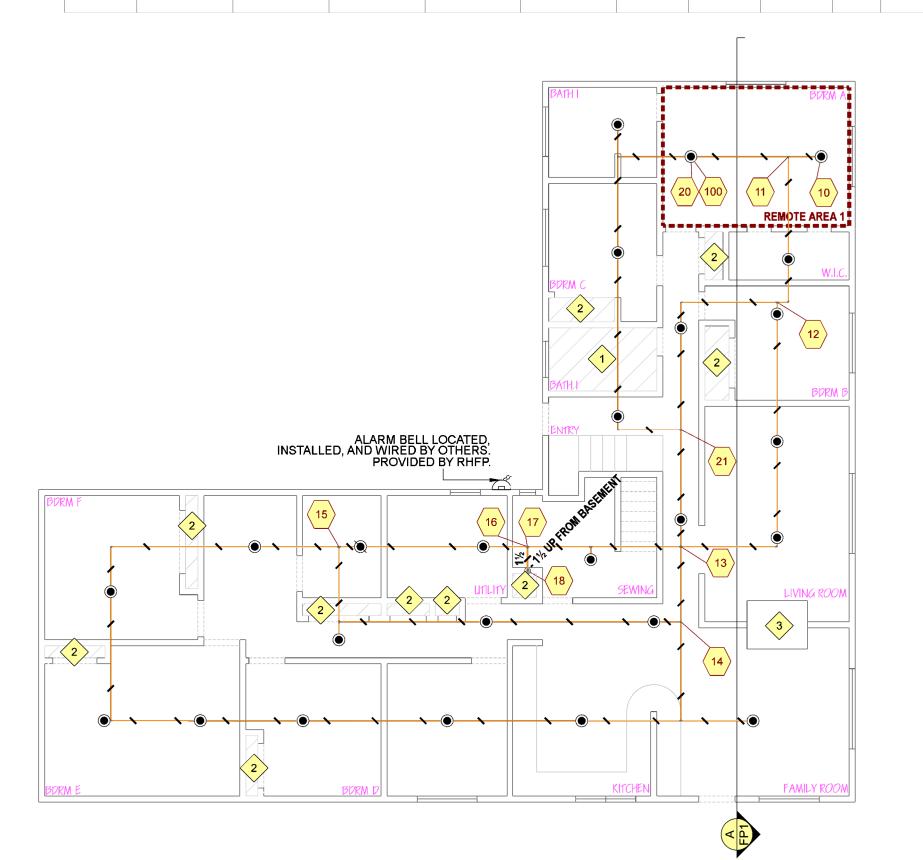
VICINITY MAP - REFERENCE ONLY N.T.S.

SPRINKLER LEGEND

RISER DETAIL

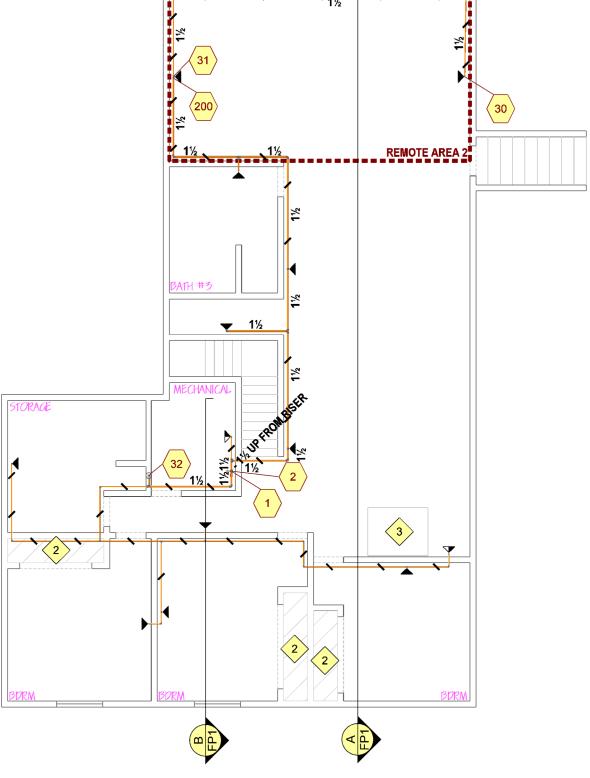
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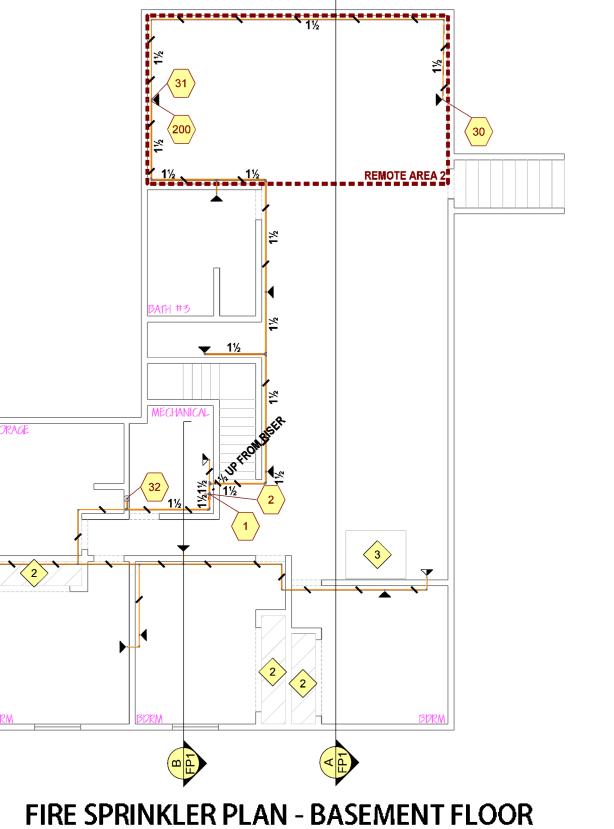
SYMBOL	MANU.	SIN	MODEL	K-FACTOR	TYPE	THREAD	RESP	FINISH	TEMP	NOTE	QTY
	Тусо	TY3596	LFII	4.9	Pendent	1/2	Quick	White	160°F		24
	Тусо	TY2334	LFII	4.4	Sidewall	1/2	Quick	White	155°F		11
	Тусо	TY2334	LFII	4.4	Sidewall	1/2	Quick	White	175°F		2
O	Тусо	TY3596	LFII	4.9	Pendent	1/2	Quick	White	212°F		1
											Total = 38

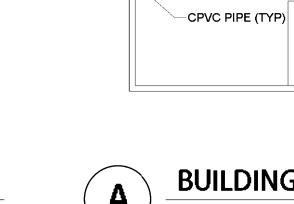


FIRE SPRINKLER PLAN - MAIN FLOOR

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









WATER FLOW INFORMATION

SYSTEM DEMAND CALCULATION PROVIDED.

SYSTEM DEMAND AT BASE OF RISER: 26.18 GPM @ 24.856 PSI

SYSTEM TO BE TESTON ON CITY WATER SYSTEM. IF WATER IS INADEQUATE PUMP AND TANK SYSTEM TO BE PROVIDED.

PUMP AND TANK RATED AT: 30 GPM @ 50 PSI

BUCKET TEST ON SITE TO CONFIRM ADEQUATE WATER AVAILABLE ON SITE.

DESIGN NOTES

1 -BATHROOMS LESS THAN 55 SQ. FT. NO AUTOMATIC SPRINKLER PROTECTION REQUIRED PER NFPA 13D (2016) SECTION 8.2.2

2 -CLOSETS LESS THAN 24 SQ. FT. NO AUTOMATIC SPRINKLER PROTECTION REQUIRED PER NFPA 13D (2016) SECTION 8.3.3

3 -FIREPLACE

4 -NO PROTECTION REQUIRED ON PORCHES PER NFPA 13D (2016) SECTION 8.3.4

5 -BUILDING OVERHANG

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.

City of Puyallup

Fire

REVIEWED

COMPLIANCE

03/02/2022

7:01:21 AM

2x6 ROOF TRUSSES @ 24" O.C. (FIELD TO VERIFY)

-CPVC PIPE (TYP)

DDrake

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

City of Puyallup Development & Permitting Services ISSUED PERMIT						
Building	Planning					
Engineering	Public Works					
Fire F W	SHIL Traffic					

Hydraulic	Information	Hydraulic Inforn	Hydraulic Information			
Remo	te Area 1	Remote Area 2	2			
OCCUPANCY CLASSIFICATION	Residential 13D	OCCUPANCY CLASSIFICATION	Residential 13D			
DENSITY (gpm/ft²)	0.05 for 179.00ft ² (Actual 178.49ft ²)	DENSITY (gpm/ft²)	0.05 for 350.00ft ²			
TOTAL HEADS FLOWING	2	TOTAL HEADS FLOWING	2			
K-FACTOR	4.9	K-FACTOR	4.4			
TOTAL WATER REQUIRED	26.18	TOTAL WATER REQUIRED	24.33			
TOTAL PRESSURE REQUIRED	24.856	TOTAL PRESSURE REQUIRED	17.702			
BASE of RISER (gpm)	26.18	BASE of RISER (gpm)	24.33			
BASE of RISER (psi)	24.856	BASE of RISER (psi)	17.702			
SAFETY MARGIN (psi)	+0.000 (0.0%)	SAFETY MARGIN (psi)	+7.172 (28.8%)			

111/8" TJIs @ 16" O.C. (FIELD TO VERIFY)

SIDEWALL SPRINKLERS

TO BE INSTALLED 4" - 6" —

BELOW CEILING (TYP)



SCOPE OF WORK

RED HAWK FIRE PROTECTION, LLC (RHFP) WILL PROVIDE ONE WET PIPE AUTOMATIC SPRINKLER SYSTEM TO PROTECT THE ENTIRE EXISTING RESIDENCE.

RHFP TO START AT CITY WATER SUPPLY CONNECTION PROVIDED 6" ABOVE FINISH FLOOR IN THE MECHANICAL ROOM IN THE BASEMENT.

ALL AREAS PROTECTED BY A WET SYSTEM MUST BE MAINTAINED BY OTHERS AT A MINIMUM 40°F TO PREVENT FREEZING.

EXCLUSIONS

PAINTING OR LABELING OF PIPE AND/OR EQUIPMENT

ELECTRICAL WIRING OF ANY KIND INCLUDING BUT NOT LIMITED TO WATERFLOW SWITCH, ELECTRIC BELL, AND TAMPER SWITCHES

CENTRAL STATION MONITORING EQUIPMENT, WIRING AND SERVICES

ALL UNDERGROUND WORK INCLUDING BUT NOT LIMITED TO: BACKFILL, SELECT FILL, BREAKING PATCHING, SAW CUTTING, LAWN REPAIR, LANDSCAPING, TREE REMOVAL, STERILIZATION, DEVELOPMENT FEES AND CITY CONNECTION.

GENERAL NOTES

01 - SPRINKLER SYSTEM DESIGN PER NFPA #13D (2016), AND CITY OF PUYALLUP (AHJ).

02 - ALL MATERIALS SHALL BE NEW AND UL AND/OR FM APPROVED.

03 - FIRE SPRINKLER SYSTEM TO BE INSTALLED, BRACED AND TESTED IN

04 - IN LOCALITIES SUBJECT TO FREEZING CONDITIONS IT IS THE OWNERS RESPONSIBILITY TO PROVIDE HEAT THROUGH OUT THE WET PIPE SPRINKLER SYSTEM AREAS AND IN ENCLOSURES FOR DRY PIPE, DELUGE, AND OTHER TYPES OF VALVES CONTROLLING WATER SUPPLIES TO SPRINKLER SYSTEMS.

ACCORDANCE WITH NFPA #13D AND AUTHORITY HAVING JURISDICTION.

05 - FIRE PROTECTION CONTRACTOR SHALL NOT BE RESPONSIBLE FOR THE ABILITY OF THE STRUCTURE TO ADEQUATELY SUPPORT THE FIRE SPRINKLER SYSTEM OR ANY APPURTENANCES THEREOF.

06 - ALL ELECTRICAL, PAINTING OF PIPE, FURRING, CUTTING, OR PATCHING TO BE BY OTHERS.

07 - ALL PIPING SHOWN WITHOUT CUT LENGTHS TO BE CPVC WITH CPVC FITTINGS.

08 - ALL CPVC PIPE TO BE 1" UNO.

09 - TYPICAL CPVC HANGER TO BE CPVC TYPE UNO.

10 - ALL HANGER TO BE SPACED AND INSTALLED PER NFPA AND CPVC INSTALLATION GUIDE.

11 - WHERE PIPE IS INSTALL IN ATTIC OR JOIST SPACE EXPOSED TO A UNHEATED SPACE PIPE IS TO BE "TENTED" TO THE HEATED SPACE WITH BATT INSULATION IN SUCH A WAY AS TO ALLOW HEAT TO REACH SPRINKLER PIPING AND PROTECT FROM FREEZING. NO INSULATION IS TO BE BETWEEN THE HEATED SPACE AND SPRINKLER PIPE. (BY OTHERS)

SYMBOL LEGEND



REMOTE AREA BOUNDRY

HYDRAULIC NODE **ELEVATION TAG**

ELECTRIC FIRE ALARM BELL

WATER METER

EXISTING RESIDENCE PARCEL#7210000511

SITE PLAN - REFERENCE ONLY



801 VALLEY AVE NW, SUITE D PUYALLUP, WA 98371 PHONE: (253) 840-9900 FAX (800) 591-4382 WA CL# REDHAHF901QP

NICET Stamp

,.... WASHINGTON STATE CERTIFICATE OF COMPETENCY FIRE PROTECTION SPRINKLER SYSTEMS Travis Clifton Kinne 0835-1021-B Level 2 Red Hawk Fire Protection, LLC REDHAHF901QP Signature

Approvals Required CITY OF PUYALLUP OWNER / ARCHITECT

Contract With **VEERPAL KAUR**

921 9TH ST NW PUYALLUP WA 98371 OWNER: VEERPAL KAUR Email: veer7kaur@gmail.com

V. KAUR AFH

921 9TH ST NW **PUYALLUP WA 98371**

Drawing Title FIRE SPRINKLER **PLANS**

January 28, 2022

CASEY PRENDERGAST

Building Permit:

Drawing Number

FP1 OF 1