

VICINITY MAP
SCALE: NONE

SCOPE OF WORK

FSW WILL RELOCATE OR ADD SPRINKLER HEADS TO ACCOMMODATE THE NEW WALLS AND CEILINGS AT EXISTING SPACE.

EXCLUSIONS

- OFF HOURS AND TAXES.
- RELOCATION OF EXISTING PIPING.
- CEILING CUT AND PATCH.
- PAINTING OF ANY KIND.
- WIRING OF ANY KIND.
- REPLACE, REPAIR, OR MODIFICATION OF CEILING TILES.
- ABATEMENT OF ANY KIND.
- STRUCTURAL VERIFICATION IF REQUIRED.

TENANT IMPROVEMENT

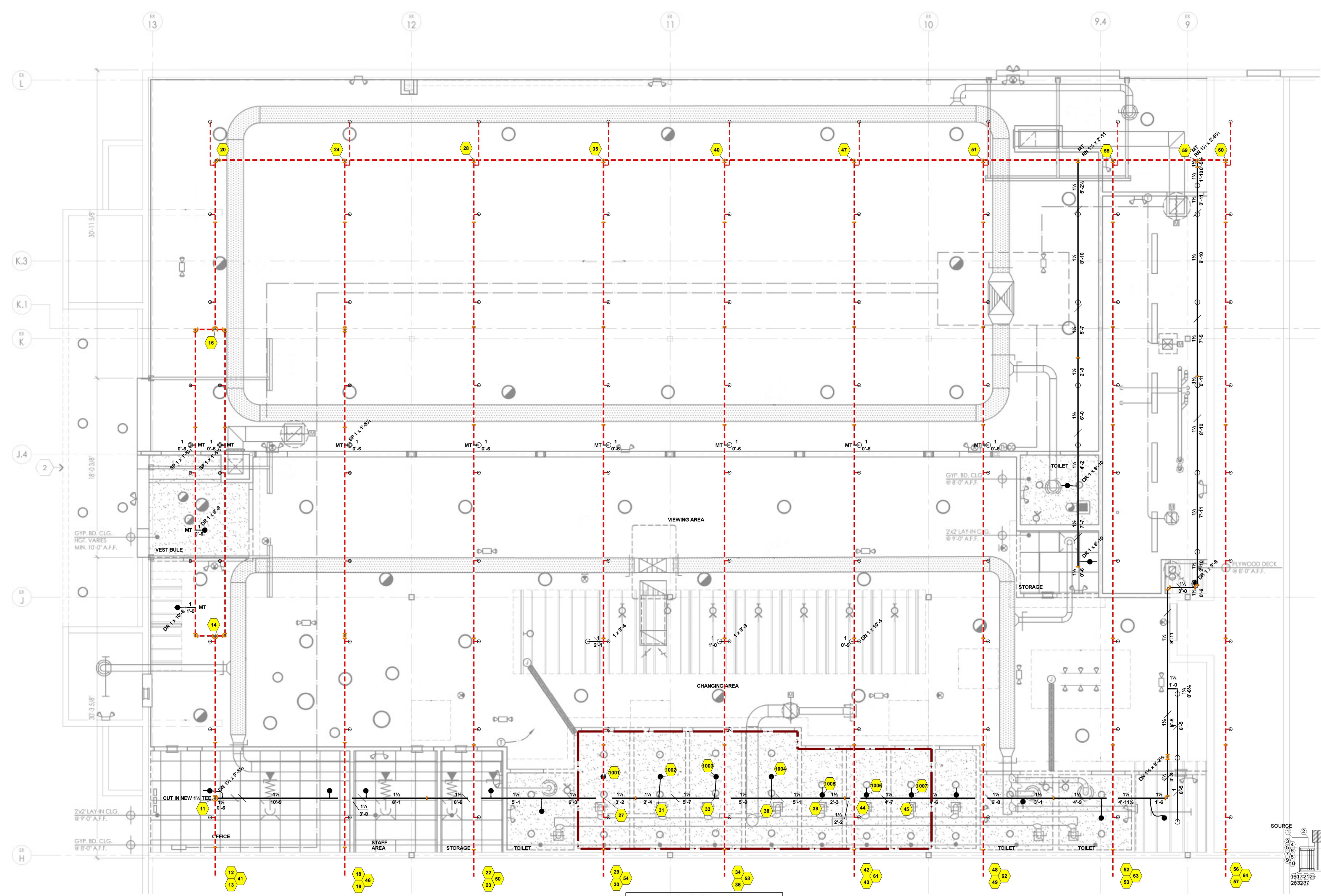
THIS PROJECT IS A TENANT IMPROVEMENT. THIS FACILITY HAS ALREADY BEEN PROTECTED BY A FIRE SPRINKLER SYSTEM. FIRE SYSTEMS WEST IS ADDING/RELOCATING SPRINKLER HEADS TO ACCOMMODATE THE NEW TENANT WALL, CEILING, LIGHTING AND HVAC LAYOUT. ALL WORK WILL BE DONE WITHOUT AFFECTING THE CAPABILITY OF THE EXISTING SYSTEM.

SYMBOL LEGEND

- DENOTES A SPRINKLER HEAD TO BE ADDED
- ⊗ DENOTES EXISTING SPRINKLER HEAD TO BE RE DEMO OR PLUGGED
- ⊙ INDICATES EXISTING SPRINKLER TO REMAIN
- MT MECHANICAL TEE
- REPRESENTS EXISTING SPRINKLER PIPE
- - - - REPRESENTS NEW SPRINKLER PIPE

WATERFLOW AVAILABILITY

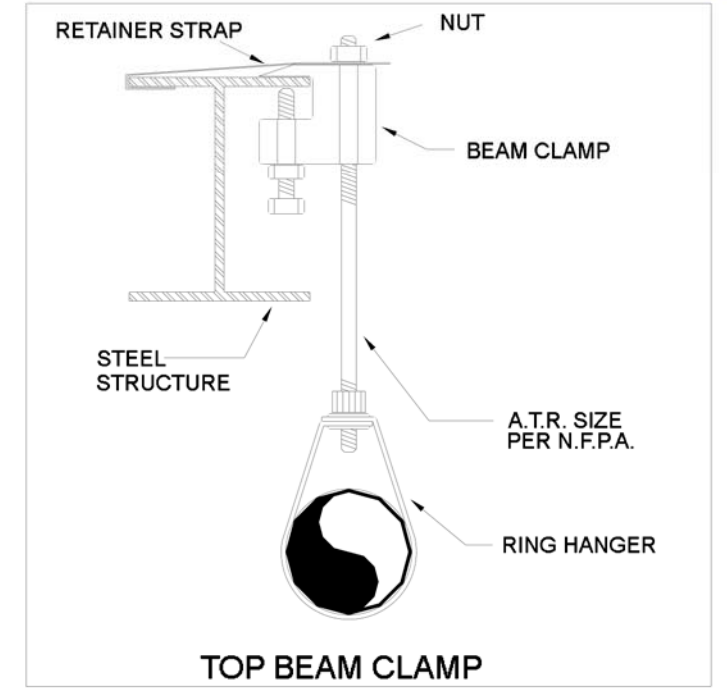
STATIC: 65 PSI
RESIDUAL: 45 PSI
FLOW: 1000 GPM
ELEVATION: SITE
LOCATION: SITE
DATE: 7/10/22
INFORMATION PROVIDED BY: HYDRAULIC CALCULATIONS FROM EXISTING SYSTEM



PARTIAL PLAN VIEW
SCALE: 1/4" = 1'-0"

City of Puyallup
Development & Permitting Services
ISSUED PERMIT

Building	Planning
Engineering	Public Works
Fire	Traffic



City of Puyallup
Fire
Reviewed for Compliance

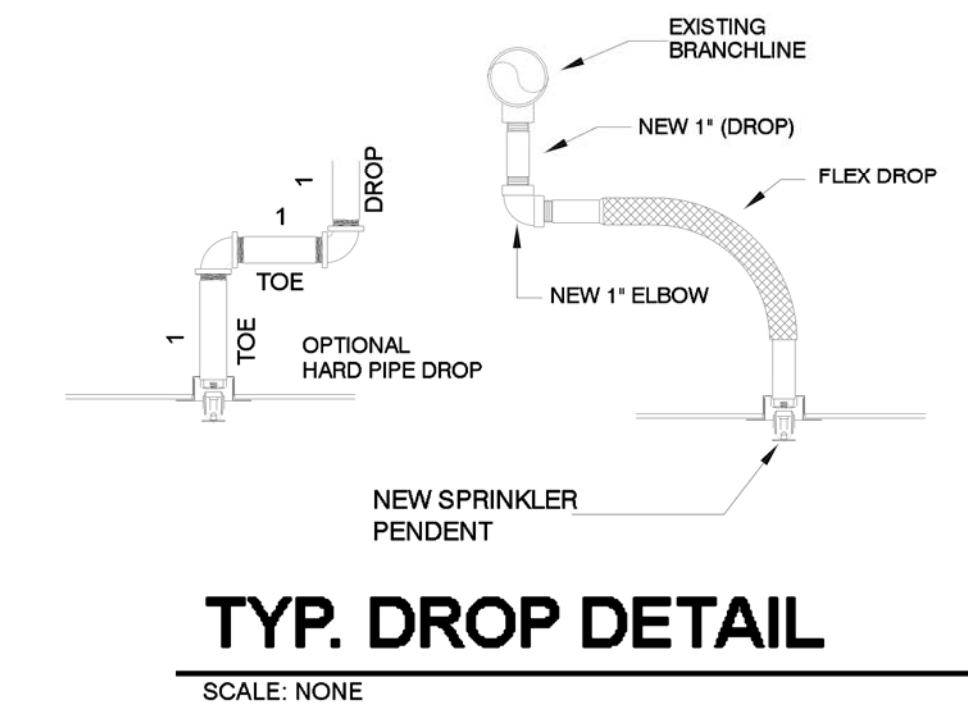
DDrake
03/10/2023
9:41:31 AM

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.

Hydraulic Information

OCCUPANCY CLASSIFICATION	Light Hazard
DENSITY (gpm/ft ²)	0.10 for 1500ft ² (Actual 394ft ²)
TOTAL HOSE STREAMS	100.00
TOTAL HEADS FLOWING	7
K-FACTOR	5.6
TOTAL WATER REQUIRED	258.83
TOTAL PRESSURE REQUIRED	44.866
BASE OF RISER (gpm)	258.83
BASE OF RISER (psi)	44.866
SAFETY MARGIN (psi)	+8.435 (17.4%)



KEY PLAN
SCALE: NONE

WASHINGTON STATE
FIRE PROTECTION SPRINKLER SYSTEMS
Craig A. Miller
9719-0108-C Level 3
Fire Systems West, Inc.
FIRESW14081
Expires 12/31/23

BUILDING PERMIT #

CONTRACT NAME:
GOLDFISH
3500 SOUTH MERIDIAN UNIT 900-30
PUYALLUP, WA 98373

CONTRACT WITH:
WASHINGTON PATRIOT
PO BOX 339
GIG HARBOR, WA 98335
CONTACT: ZERAH FLORANCE
Phone: 253-853-2304 Fax:

HANGER LEGEND

A U-HOOK	L L-ROD
B SUPER SCREW	M WASHER PLATE
C CONCRETE INSERT	N
D TOP BEAM CLAMP	P POWDER DRIVEN STUD
E	R WEDGE ANCHOR
F HDI-P	T TRAPEZE
G CEILING FLANGE	U
H SIDE BEAM BRACKET	W
J SIDEWINDER	X
K SHORT CLIP	Y

SPRINKLER LEGEND

SPR. THRDS	SPRINKLER ORIFICE SIZES AND TYPE	UPRIGHT	PENDENT	TEE SIZE	OPENING UP	SYMBOL	OPENING DOWN
1/2"	3/8" 7/16" 1/2" SPRAY	●	●	1/2"	1/2"	▲	▼
		●	●	1"	1"	▲	▼
		●	●	3/4"	1"	▲	▼
3/4"	1/2" 3/4" 1" 1 1/2" SPRAY	●	●	1"	1/2"	▲	▼
1/2"	3/8" 7/16" 1/2" SIDEWALL	◀	◀	150°			
		◀	◀	200°			
1"	1/2" DRY PEND	⊙	⊙	288°			

SPRINKLER HEADS

SYMBOL	TYPE	MFG	MODEL	ORIFICE SIZE	THREAD SIZE	TEMP	FINISH	CANOPY	QUANTITY	MK	DATE	BY
○	SSU	TYCO	TY4131	8.0K	3/4"	155°	BRASS	NONE	21			
○	SSU ON SPRIG	TYCO	TY4131	8.0K	3/4"	155°	BRASS	NONE	3			
●	SSP	TYCO	TY323	5.6K	1/2"	155°	CHROME	CHROME	21			
TOTAL									45			

REVISIONS

NO.	DATE	BY	DESCRIPTION

APPROVALS REQUIRED:

AUTHORITY:	CITY OF PUYALLUP	DISTRIBUTION:	0
OWNER / ARCHITECT:		OWNER / ARCHITECT:	0
FIRE SYSTEMS WEST:		FIRE SYSTEMS WEST:	0

GENERAL NOTES

- ALL MATERIAL AND EQUIPMENT TO BE NEW AND UNDERWRITERS APPROVED.
- PIPING DIMENSIONS ARE CENTER TO CENTER EXCEPT RISER & DIMENSIONS SHOWN THUSLY (1" WHICH ARE END TO END).
- EARTHQUAKE BRACING SHALL BE PROVIDED IN ACCORDANCE WITH NFPA #13.
- PIPE HANGERS AND METHOD OF HANGING TO BE IN ACCORDANCE WITH NFPA #13.
- PIPING SHALL BE IN ACCORDANCE WITH NFPA #13.
- JOINING OF PIPE AND FITTINGS, THREADED AND WELDED SHALL BE IN ACCORDANCE WITH NFPA #13.
- OWNER TO PROVIDE ADEQUATE HEAT TO PREVENT WATER IN PIPES FROM FREEZING IN AREAS PROTECTED BY WET PIPE SPRINKLER SYSTEM.
- STRUCTURAL ADEQUACY OF THE BUILDING TO SUPPORT THE SPRINKLER PIPING IS THE RESPONSIBILITY OF THE OWNER OR HIS STRUCTURAL REPRESENTATIVE.

DESIGN CRITERIA AND NOTES

- ALL BRANCHLINE PIPING TO BE THREADED SCH 40 JOINED W/ CAST IRON FITTINGS (UNC).
- ALL NEW HANGERS TO BE PER HANGER DETAILS.
- ALL NEW HEADS AT ACCUSTICAL CEILING TO BE ON FLEX DROP FITTINGS.
- ALL NEW CONNECTIONS TO EXISTING PIPE TO BE MADE WITH MECHANICAL TEE (UNC).

Fire Systems West
206 Frontage Road North, Suite C
Pacific, WA, 98047
(253) 833-1248 Fax: (253) 735-0113

WA CL# FIRESW14081

DESIGNER	DATE	JOB NUMBER	SHEET
KEVIN RIDER	02/13/23	2-11-12042	1 OF 1