

**City of Puyallup
Fire
REVIEWED
FOR
COMPLIANCE**

DDrake
09/19/2022
6:54:19 AM



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

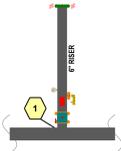
Approval of submitted plans is not an approval of omissions or oversight by this office or noncompliance with any applicable regulations of local government. The contractor is responsible for making sure that the building complies with all applicable building codes and regulations of the local government.

**City of Puyallup
Development & Permitting Services
ISSUED PERMIT**

Building	Planning
Engineering	Public Works
Fire	Traffic

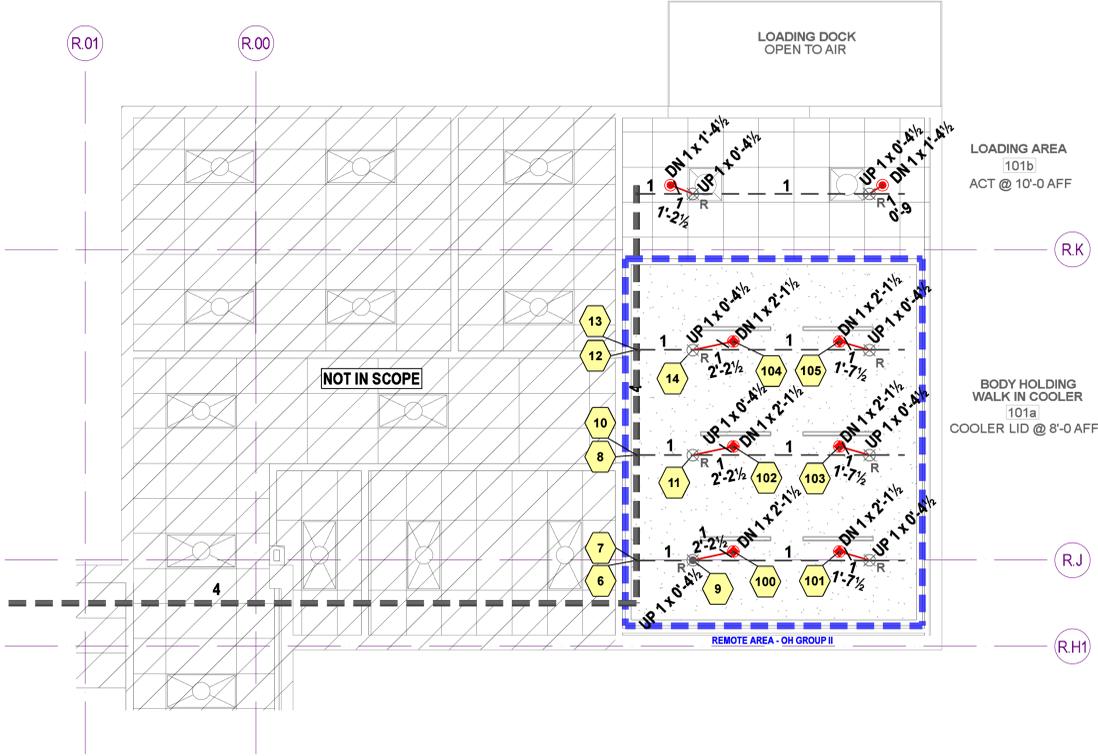
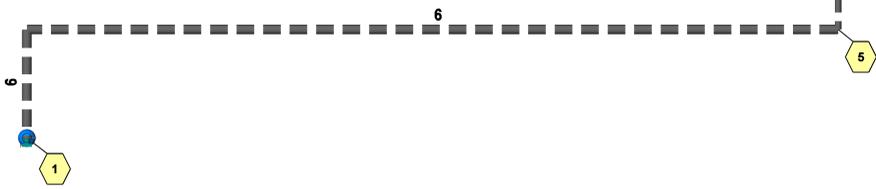
Hydraulic Information - Room Calc Method - 2hr Rated	
OCCUPANCY CLASSIFICATION	Ordinary Group II
DENSITY (gpm/ft ²)	0.20 for 1500ft ² (Actual 352ft ²)
TOTAL HOSE STREAMS	250.00
TOTAL HEADS FLOWING	6
K-FACTOR	5.6
TOTAL WATER REQUIRED	470.15
TOTAL PRESSURE REQUIRED	63.970
SAFETY MARGIN (psi)	+18.767 (22.7%)

EXISTING RISER CONFIGURATION



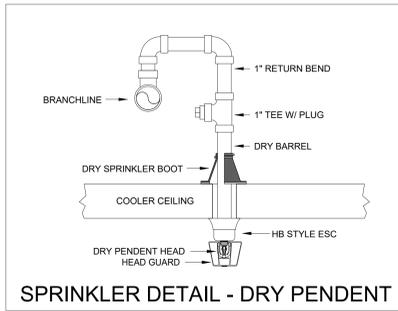
1 RISER DETAIL

SCALE 1/4" = 1'-0"

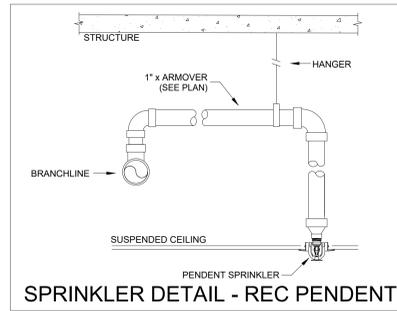


LEVEL 1 FIRE SPRINKLER PLAN

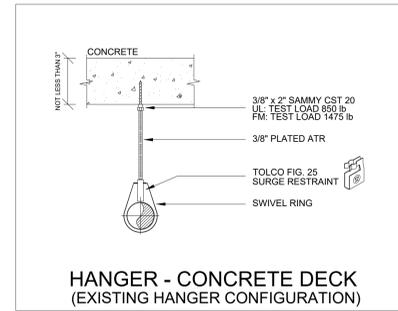
SCALE 1/4" = 1'-0"



SPRINKLER DETAIL - DRY PENDENT



SPRINKLER DETAIL - REC PENDENT



**HANGER - CONCRETE DECK
(EXISTING HANGER CONFIGURATION)**

INSTALLATION DETAILS

NOT TO SCALE

LEGEND

- - - INDICATES EXISTING PIPE
- INDICATES PIPE
- INDICATES A HANGER
- INDICATES A GROOVED RIGID COUPLING
- ★14 INDICATES PIPE ELEVATION (CENTERLINE)
- GYPSUM CEILING
- ACOUSTIC CEILING TILE

Sprinkler Legend

Symbol	Make / Model	SIN	Quantity	K-Factor	Type	Size	Response	Finish	Temp	Note
⊗ R	RELIABLE F1FR56	RA1414	1	5.6	Pendent	1/2	Quick	Chrome	155°F	REMOVE EXISTING
⊗ R	RELIABLE F1FR56	RA1425	7	5.6	Upright	1/2	Quick	Chrome	155°F	REMOVE EXISTING
⊕	RELIABLE F3QR56	RS714	6	5.6	Pendent	3/4	Quick	Chrome	286°F	HB ESC W/ C-2 GUARD
⊙	RELIABLE F1FR56	RA1414	2	5.6	Pendent	1/2	Quick	Chrome	155°F	F1 RECESSED ESCUTCHEON
			Total = 8							

SCOPE OF WORK

- MODIFY EXISTING FIRE SPRINKLER SYSTEM FOR REVISIONS TO WALLS, CEILINGS AND OCCUPANCY

PROJECT DATA

OWNER:
MULTICARE GOOD SAMARITAN HOSPITAL
401 15th AVE SE
PUYALLUP, WA 98372
253.732.5849 ATTN: NIGEL HORTON
NIGEL.HORTON@MULTICARE.ORG

ARCHITECT:
CLARK/KJOS ARCHITECTS
333 NW 5th AVENUE
PORTLAND, OR 97209
503.206.3822 ATTN: SCOT JAHN
SCOT.JAHN@CKARCH.COM

CONTRACTOR:
HOWARD S. WRIGHT CONSTRUCTION CO.
415 1st AVENUE N, SUITE 400
SEATTLE, WA 98109
206.999.3046 ATTN: THEO BOYLES
TBOYLES@HSWC.COM

DESIGN CRITERIA

LOADING / BODY HOLDING:
ORDINARY GROUP II
DESIGN DENSITY: 0.20 GPM / 1500 FT²

WATER FLOW DATA:
SOURCE - ON-SITE RISER INFORMATION
07-06-2022
STATIC: 100 PSI
RESIDUAL: 90 PSI
FLOW: 350 GPM

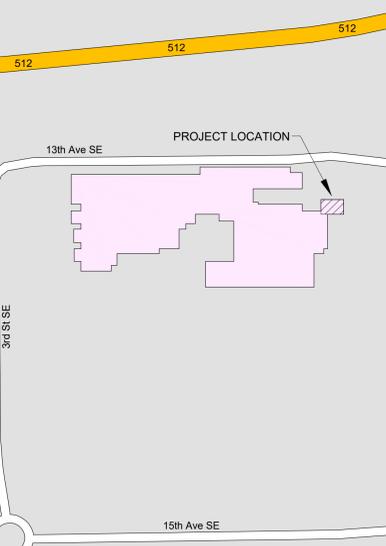
BUILDING DATA:
AREA OF SCOPE: 507 SF
SPRINKLERS: 8

GENERAL NOTES

1. DESIGN, INSTALLATION AND TESTING SHALL CONFORM WITH NFPA-13 (2016), CITY OF PUYALLUP AND PROJECT SPECIFICATIONS.
2. ALL MATERIALS SHALL BE NEW AND UL AND/OR FM APPROVED.
3. A STOCK OF SPARE SPRINKLERS OF EACH STYLE, TYPE AND TEMPERATURE RATING ALONG WITH A SPRINKLER WRENCH SHALL BE LOCATED AT THE MAIN RISER.
4. 1" PIPING TO BE SCHEDULE 40 WITH MINIMUM CLASS 150 IRON THREADED FITTINGS. 1 1/2" - 6" PIPING TO BE SCHEDULE 10 WITH DI GROOVED FITTINGS.
5. ALL GROOVED COUPLINGS TO BE RIGID UNLESS NOTED FOR FLEXIBLE.
6. USE EXISTING OUTLETS, IF NO OUTLET IS AVAILABLE A MECH TEE WILL BE USED.
6. IT IS THE RESPONSIBILITY OF THE OWNER TO MAINTAIN THE INTEGRITY OF THE SPRINKLER SYSTEM. THIS INCLUDES ADEQUATE HEAT AT ALL TIMES TO PREVENT WATER IN PIPES FROM FREEZING IN AREAS PROTECTED BY A WET PIPE SPRINKLER SYSTEM.
7. STRUCTURAL ADEQUACY OF THE BUILDING TO SUPPORT THE SPRINKLER PIPING IS THE RESPONSIBILITY OF THE OWNER AND THEIR STRUCTURAL REPRESENTATIVE.
8. ALL ELECTRICAL WIRING IS TO BE PERFORMED BY OTHERS. THIS INCLUDES ALL CONTROL, ALARM AND MONITORING WIRING, ALL ALARM DEVICES, WIRING & ASSOCIATED PIPING PER NFPA-72.
9. PAINTING OF PIPE, MASKING OR UNMASKING OF SPRINKLER HEADS, AND/OR PREPARATION WORK FOR PAINTING IS TO BE PERFORMED BY OTHERS.
10. THE OWNER IS RESPONSIBLE FOR THE PERIODIC INSPECTION, TESTING AND MAINTENANCE OF THESE FIRE SPRINKLER SYSTEMS IN ACCORDANCE WITH THE REQUIREMENTS OF NFPA-25. THIS WORK MUST BE DONE BY QUALIFIED PERSONNEL STARTING AFTER THE WARRANTY PERIOD HAS EXPIRED.
11. THE FIRE SPRINKLER SYSTEMS SHALL BE MONITORED 24 HOURS A DAY BY A CENTRAL STATION AND IS EXCLUDED FROM THIS CONTRACT.

VICINITY MAP

NOT TO SCALE NORTH



Seattle:
5005 3rd Avenue South
Seattle, WA 98124
206.762.3311

Portland:
5400 NE Columbia Blvd.
Portland, OR 97218
503.331.0234

Spokane:
850 E Spokane Falls Blvd.
Spokane, WA 99202

DESIGNER
Brooke McDaniel
PROJECT MANAGER
Corey Robinson
PROJECT NO
122775-001

**BODY HOLDING
GOOD SAMARITAN HOSPITAL**
401 15th AVENUE SE
PUYALLUP, WA 98372



REVISIONS	NUMBER	DESCRIPTION	DATE
	00	FOR PERMIT	09/08/22

FOR PERMIT

DRAWING SCALES INDICATED APPLY TO 30" X 42" DRAWING SHEETS. SCALE MAY NOT BE ACCURATE IF DRAWING PLOTS ARE LESS THAN THIS SIZE.

DATE
SEPTEMBER 8, 2022
DRAWING TITLE
LEVEL 1 - BODY HOLDING FIRE SPRINKLER PLAN

DRAWING NO

FS001