

03/10/23

WILCO EUGENE  
WILTH & WILLOW CREEK  
EUGENE, OREGON 97402

WILCO  
200 INDUSTRIAL WAY  
MT. ANGEL, OR 97362

project number 18-25  
date 10/03/22  
revisions

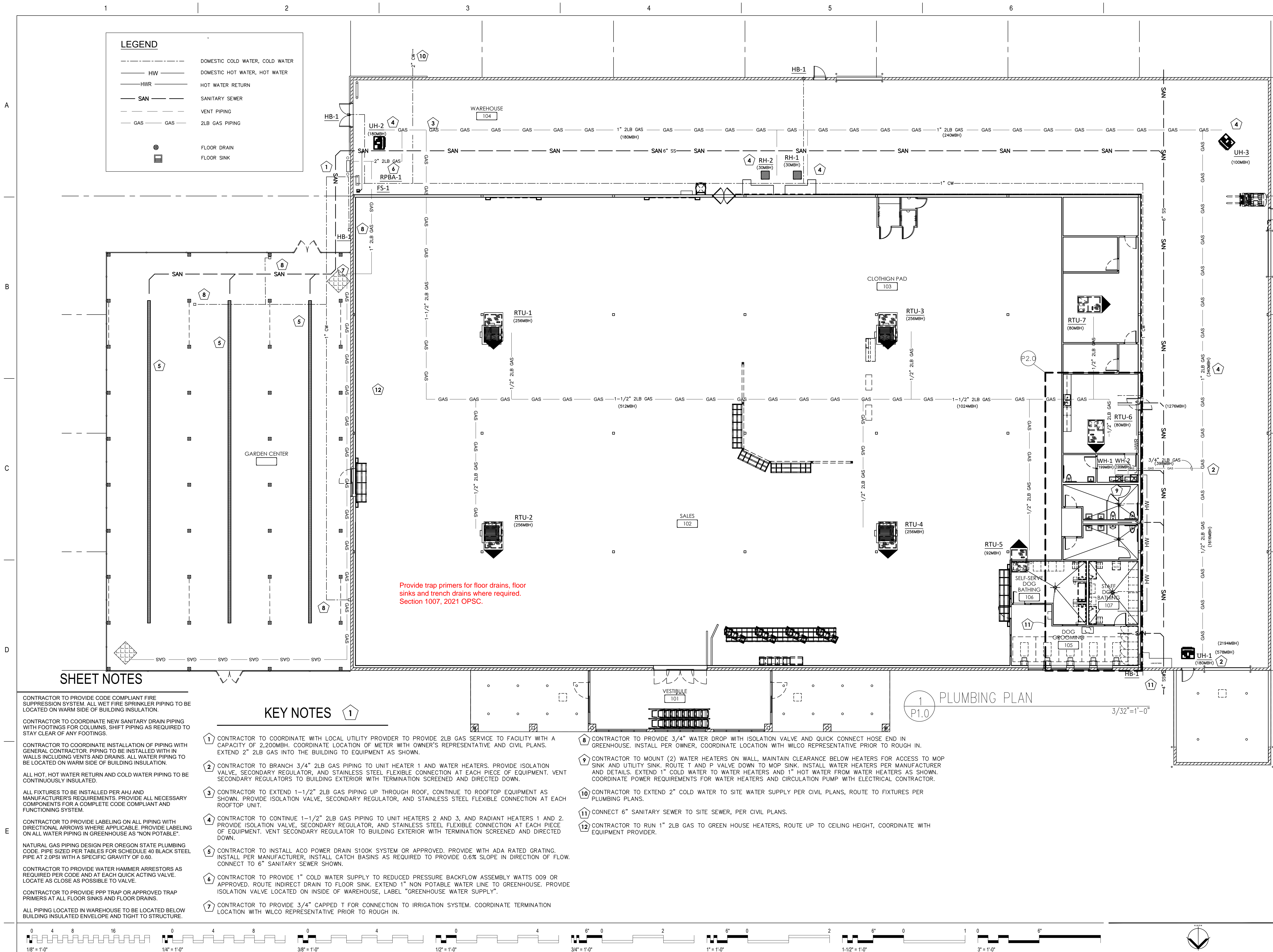
REGISTERED PROFESSIONAL  
ENGINEER  
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EXPIRES: 12/31/2023

PLUMBING PLAN

sheet number

P1.0

Received by City of Eugene: 11 P1.0 PLUMBING PLAN - 03/16/2023, 5:02:57 PM



LEGEND	
---	DOMESTIC COLD WATER, COLD WATER
— HW —	DOMESTIC HOT WATER, HOT WATER
— HWR —	HOT WATER RETURN
— SAN —	SANITARY SEWER
---	VENT PIPING
— GAS —	2LB GAS PIPING
⊕	FLOOR DRAIN
Ⓜ	FLOOR SINK

Provide trap primers for floor drains, floor  
sinks and trench drains where required.  
Section 1007, 2021 OPSC.

CONTRACTOR TO PROVIDE CODE COMPLIANT FIRE SUPPRESSION SYSTEM. ALL WET FIRE SPRINKLER PIPING TO BE LOCATED ON WARM SIDE OF BUILDING INSULATION.

CONTRACTOR TO COORDINATE NEW SANITARY DRAIN PIPING WITH FOOTINGS FOR COLUMNS, SHIFT PIPING AS REQUIRED TO STAY CLEAR OF ANY FOOTINGS.

CONTRACTOR TO COORDINATE INSTALLATION OF PIPING WITH GENERAL CONTRACTOR. PIPING TO BE INSTALLED WITH IN WALLS INCLUDING VENTS AND DRAINS. ALL WATER PIPING TO BE LOCATED ON WARM SIDE OF BUILDING INSULATION.

ALL HOT, HOT WATER RETURN AND COLD WATER PIPING TO BE CONTINUOUSLY INSULATED.

ALL FIXTURES TO BE INSTALLED PER AHJ AND MANUFACTURER'S REQUIREMENTS. PROVIDE ALL NECESSARY COMPONENTS FOR A COMPLETE CODE COMPLIANT AND FUNCTIONING SYSTEM.

CONTRACTOR TO PROVIDE LABELING ON ALL PIPING WITH DIRECTIONAL ARROWS WHERE APPLICABLE. PROVIDE LABELING ON ALL WATER PIPING IN GREENHOUSE AS "NON POTABLE".

NATURAL GAS PIPING DESIGN PER OREGON STATE PLUMBING CODE. PIPE SIZED PER TABLES FOR SCHEDULE 40 BLACK STEEL PIPE AT 2.0PSI WITH A SPECIFIC GRAVITY OF 0.60.

CONTRACTOR TO PROVIDE WATER HAMMER ARRESTORS AS REQUIRED PER CODE AND AT EACH QUICK ACTING VALVE. LOCATE AS CLOSE AS POSSIBLE TO VALVE.

CONTRACTOR TO PROVIDE PPP TRAP OR APPROVED TRAP PRIMERS AT ALL FLOOR SINKS AND FLOOR DRAINS.

ALL PIPING LOCATED IN WAREHOUSE TO BE LOCATED BELOW BUILDING INSULATED ENVELOPE AND TIGHT TO STRUCTURE.

## KEY NOTES

- CONTRACTOR TO COORDINATE WITH LOCAL UTILITY PROVIDER TO PROVIDE 2LB GAS SERVICE TO FACILITY WITH A CAPACITY OF 2,200MBH. COORDINATE LOCATION OF METER WITH OWNER'S REPRESENTATIVE AND CIVIL PLANS. EXTEND 2" 2LB GAS INTO THE BUILDING TO EQUIPMENT AS SHOWN.
- CONTRACTOR TO BRANCH 3/4" 2LB GAS PIPING TO UNIT HEATER 1 AND WATER HEATERS. PROVIDE ISOLATION VALVE, SECONDARY REGULATOR, AND STAINLESS STEEL FLEXIBLE CONNECTION AT EACH PIECE OF EQUIPMENT. VENT SECONDARY REGULATORS TO BUILDING EXTERIOR WITH TERMINATION SCREENED AND DIRECTED DOWN.
- CONTRACTOR TO EXTEND 1-1/2" 2LB GAS PIPING UP THROUGH ROOF, CONTINUE TO ROOFTOP EQUIPMENT AS SHOWN. PROVIDE ISOLATION VALVE, SECONDARY REGULATOR, AND STAINLESS STEEL FLEXIBLE CONNECTION AT EACH ROOFTOP UNIT.
- CONTRACTOR TO CONTINUE 1-1/2" 2LB GAS PIPING TO UNIT HEATERS 2 AND 3, AND RADIANT HEATERS 1 AND 2. PROVIDE ISOLATION VALVE, SECONDARY REGULATOR, AND STAINLESS STEEL FLEXIBLE CONNECTION AT EACH PIECE OF EQUIPMENT. VENT SECONDARY REGULATOR TO BUILDING EXTERIOR WITH TERMINATION SCREENED AND DIRECTED DOWN.
- CONTRACTOR TO INSTALL ACO POWER DRAIN SLOOK SYSTEM OR APPROVED. PROVIDE WITH ADA RATED GRATING. INSTALL PER MANUFACTURER. INSTALL CATCH BASINS AS REQUIRED TO PROVIDE 0.6% SLOPE IN DIRECTION OF FLOW. CONNECT TO 6" SANITARY SEWER SHOWN.
- CONTRACTOR TO PROVIDE 1" COLD WATER SUPPLY TO REDUCED PRESSURE BACKFLOW ASSEMBLY WATTS 009 OR APPROVED. ROUTE INDIRECT DRAIN TO FLOOR SINK. EXTEND 1" NON POTABLE WATER LINE TO GREENHOUSE. PROVIDE ISOLATION VALVE LOCATED ON INSIDE OF WAREHOUSE, LABEL "GREENHOUSE WATER SUPPLY".
- CONTRACTOR TO PROVIDE 3/4" CAPPED T FOR CONNECTION TO IRRIGATION SYSTEM. COORDINATE TERMINATION LOCATION WITH WILCO REPRESENTATIVE PRIOR TO ROUGH IN.
- CONTRACTOR TO PROVIDE 3/4" WATER DROP WITH ISOLATION VALVE AND QUICK CONNECT HOSE END IN GREENHOUSE. INSTALL PER OWNER, COORDINATE LOCATION WITH WILCO REPRESENTATIVE PRIOR TO ROUGH IN.
- CONTRACTOR TO MOUNT (2) WATER HEATERS ON WALL, MAINTAIN CLEARANCE BELOW HEATERS FOR ACCESS TO MOP SINK AND UTILITY SINK. ROUTE T AND P VALVE DOWN TO MOP SINK. INSTALL WATER HEATERS PER MANUFACTURER AND DETAILS. EXTEND 1" COLD WATER TO WATER HEATERS AND 1" HOT WATER FROM WATER HEATERS AS SHOWN. COORDINATE POWER REQUIREMENTS FOR WATER HEATERS AND CIRCULATION PUMP WITH ELECTRICAL CONTRACTOR.
- CONTRACTOR TO EXTEND 2" COLD WATER TO SITE WATER SUPPLY PER CIVIL PLANS, ROUTE TO FIXTURES PER PLUMBING PLANS.
- CONNECT 6" SANITARY SEWER TO SITE SEWER, PER CIVIL PLANS.
- CONTRACTOR TO RUN 1" 2LB GAS TO GREEN HOUSE HEATERS, ROUTE UP TO CEILING HEIGHT, COORDINATE WITH EQUIPMENT PROVIDER.

