



1 DOMESTIC WATER PIPING PLAN
P1.0 1/4"=1'-0"

DRAWING NOTES

1. PIPING ROUTES AS SHOWN ARE GENERAL AND MAY VARY DUE TO FIELD CONDITIONS. COORDINATE ALL PIPE ROUTES WITH OTHER TRADES.
2. ALL WATER DISTRIBUTION PIPING SHALL BE INSULATED. INSULATION NOT SHOWN FOR CLARITY. SEE PLUMBING NOTES FOR INSULATION REQUIREMENTS.
3. ALL OUTDOOR UTILITIES MOUNTED ON THE WALL MUST BE PAINTED TO MATCH THE BUILDING

DRAWINGS AND SPECIFICATIONS ARE TO BE CONSIDERED AS SUPPLEMENTING EACH OTHER. WORK SPECIFIED BUT NOT SHOWN ON DRAWINGS, OR SHOWN ON DRAWINGS BUT NOT SPECIFIED, SHALL BE PERFORMED OR FURNISHED AS THOUGH MENTIONED IN BOTH SPECIFICATIONS AND DRAWINGS. IF NOT OTHERWISE DIRECTED, INSTALLATION OF ALL SYSTEMS AND EQUIPMENT SHALL BE IN ACCORDANCE WITH APPLICABLE CODES AND IN ACCORDANCE WITH MANUFACTURER'S INSTALLATION INSTRUCTIONS. WHERE WORK DESCRIBED IN THE SPECIFICATIONS IS IN CONFLICT WITH THE WORK SHOWN ON THE DRAWINGS, THE CONTRACTOR SHALL SUPPLY THE GREATER QUANTITY, QUALITY AND COST VIA THE BID AND CONTACT THE ENGINEER FOR CLARIFICATION ON DIRECTION PRIOR TO INSTALLATION.

PRIOR TO BID, THE CONTRACTOR SHALL REVIEW THE MECHANICAL, ELECTRICAL AND KITCHEN EQUIPMENT DRAWINGS. THE CONTRACTOR SHALL INCLUDE IN HIS BID ALL RELEVANT WORK IN THE ENTIRE SET OF DOCUMENTS AND REPORT ALL DISCREPANCIES BETWEEN THESE DRAWINGS TO THE ENGINEER PRIOR TO BIDDING FOR CLARIFICATION. IF DISCREPANCIES REMAIN UNRESOLVED DUE TO A SHORT TIME FRAME, THE CONTRACTOR SHALL INCLUDE THE MOST WORK AND THE HIGHER COSTS IN THE BID. SOLUTIONS TO UNREPORTED DISCREPANCIES WILL BE DETERMINED BY THE ARCHITECT/ENGINEER, WITH NO ADDITIONAL COMPENSATION DUE TO THE CONTRACTOR.

KEYED NOTES

- P1** INCOMING UNDERGROUND WATER SERVICE (SEE SITE PLAN FOR CONTINUATION). WATER PIPING FROM THIS POINT TO CEILING PENETRATION INSIDE BUILDING SHALL BE COPPER.
- P2** COLD WATER UNDERGROUND TO YARD HYDRANT (HB-2) IN TRASH CORRAL. SEE SITE PLAN FOR CONTINUATION.
- P3** SHUT-OFF VALVE FOR RESTROOM AND HOSE BIBB ISOLATION. SEE VALVE SCHEDULE. ALL SHUT-OFF VALVES SHALL BE LOCATED OVER SUSPENDED CEILINGS FOR ACCESSIBILITY. DO NOT LOCATE IN AREAS WITH DRYWALL CEILINGS.
- P4** 3/4" COLD WATER UP TO ROOF HYDRANT.
- P5** MIXING VALVE LOCATIONS SHOWN FOR INFORMATIONAL PURPOSES. SEE DETAIL 3 ON DRAWING P3.0 FOR MIXING VALVE INSTALLATION DETAILS.
- P6** PIPE-MOUNTED AQUASTAT TO SHUT PUMP DOWN WHEN RECIRCULATION TEMPERATURE REACHES 140°F. SEE DETAIL 6 ON DRAWING P3.0.
- P7** TIME CLOCK TO SHUT PUMP AND WATER HEATER DOWN DURING UNOCCUPIED HOURS. SEE ELECTRICAL DRAWINGS FOR WIRING DETAIL.
- P8** BALANCING VALVE FOR RECIRCULATION SYSTEM. SEE VALVE SCHEDULE. ALL BALANCING VALVES SHALL BE LOCATED OVER SUSPENDED CEILINGS FOR ACCESSIBILITY. DO NOT LOCATE IN AREAS WITH DRYWALL CEILINGS.
- P9** WATER PIPING AFTER CEILING PENETRATION CAN TRANSITION TO CPVC WHERE PERMITTED BY CODE.
- P10** VERIFY IRRIGATION SYSTEM, PROVIDE WATER LINE WITH BACKFLOW PREVENTER, VERIFY EXACT LOCATION WITH LANDSCAPE. 1" SEWER DEDUCT METER AND BACKFLOW ASSEMBLY.
- P11** PROVIDE FREEZE PROOF HYDRANT.

- P12** FIRE DEPARTMENT SIAMESE CONNECTION. SPRINKLER CONTRACTOR SHALL ROUTE LINE IN ACCESSIBLE CEILING SPACE FROM CONNECTION TO FIRE SPRINKLER SERVICE. MAKE ALL CONNECTIONS REQUIRED. VERIFY PIPE SIZE AND LOCATION OF SIAMESE WITH CIVIL AND FIRE MARSHALL. PROVIDED BY OTHERS. COORDINATE LOCATION OF SIAMESE CONNECTION WITH FIRE SPRINKLER SHEETS.
- P13** PROPERLY SEAL ALL PIPE PENETRATIONS THROUGH ANY FIRE WALL(TYP)

SUPPLY PIPE SIZING - UPC

| Fixture Type | SIZE | SUPPLY HW | SUPPLY CW | QUANTITY | TOTAL |
|------------------------|---------|-----------|-----------|----------|-------|
| URINAL | 1 IN. | 0 | 20 | 1 | 20 |
| WATER CLOSET | 1 IN. | 0 | 90 | 3 | 90 |
| LAVATORY SINK | 1/2 IN. | 1 | 1 | 2 | 2 |
| WASH SINK (HAND SINK) | 1/2 IN. | 2 | 2 | 4 | 8 |
| MOP SINK | 3/4 IN. | 3 | 3 | 2 | 6 |
| VEGETABLE SINK | 3/4 IN. | 0 | 3 | 1 | 3 |
| 3-COMP SINK | 3/4 IN. | 3 | 3 | 1 | 3 |
| WASHING MACHINE | 3/4 IN. | 4 | 4 | 1 | 4 |
| DISH WASHER | 3/4 IN. | 1.5 | 1.5 | 1 | 3 |
| HOSE BIB | 3/4 IN. | 0 | 2.5 | 4 | 5.5 |
| LAWN SPRINKLER | 1/2 IN. | 0 | 1 | 4 | 4 |
| WATER FILTATION SYSTEM | 3/4 IN. | 0 | 1 | 3 | 3 |
| CLEANING FAUCET | 1/2 IN. | 2 | 2 | 0 | 0 |
| | | | | TOTAL | 151.5 |

IF YOU HAVE ANY QUESTIONS REGARDING THE PLANS, PLEASE CALL THE DESIGNER.

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