

SYMBOL LEGEND			
---	COLD WATER LINE		GAS VALVE & SEDIMENT TRAP
---	HOT WATER LINE (120°)		THERMOMETER
---	HOT WATER LINE (140°)		HB HOSE BIB
---	HOT WATER RECIRC (120°)		BV BALANCING VALVE
---	HOT WATER RECIRC (140°)		F.D. FLOOR DRAIN
---	GAS		ISOLATION VALVE
---	NAT. GAS PIPING		WHA-1 WATER HAMMER ARRESTOR
● CTE	CONNECT TO EXISTING		

- PLAN NOTES:
1. FLEXIBLE WATER CONNECTORS EXPOSED TO CONTINUOUS PRESSURE SHALL CONFORM TO ASME A112.18.6/CSA B125.6. ACCESS SHALL BE PROVIDED TO ALL FLEXIBLE CONNECTORS.
 2. PROVIDE VALVED DRAINS FOR ANY TRAPPED DOMESTIC WATER MAIN PIPING.
 3. INSULATE ALL DOMESTIC HOT AND COLD WATER PIPING IN ACCORDANCE WITH TABLE C403.11.3 OF THE 2020 NYSECC.
 4. PROVIDE BRANCH ISOLATION VALVES AT MAINS.
 5. PRIOR TO ACCEPTANCE AND INITIAL OPERATION, PIPING SHALL BE VISUALLY INSPECTED AND PRESSURE TESTED IN ACCORDANCE WITH SECTION 406 OF THE 2020 NYSFGC.
 6. SEE RISER DIAGRAMS FOR PIPE SIZING NOT SHOWN ON PLAN.
 7. ALL GAS PIPING AND HOT/COLD WATER SUPPLY PIPING IS TO BE RUN WITHIN CEILING SPACE OR CONCEALED. DROPS TO EACH FIXTURE SHALL BE WITHIN WALLS OR OTHER LOCATION SO AS TO REMAIN CONCEALED.
 8. WATER FLOW RATES SHALL BE MEASURED AND ADJUSTED TO DELIVER FINAL FLOW RATES WITHIN THE TOLERANCES PROVIDED IN THE PRODUCT SPECIFICATIONS. AS PER SECTION C408.2.2 OF THE 2020 NYSECC.
 9. ALL PIPING SHALL BE SUPPORTED IN ACCORDANCE WITH SECTION 308 OF THE 2020 NYSFC.
 10. ALL FIXTURE WATER SUPPLY PIPES SHALL MEET THE MINIMUM SIZE REQUIREMENTS OF TABLE 604.5 OF THE 2020 NYSFC.
 11. ALL GAS PIPING TO BE SCHEDULE 40 METALLIC PIPE.
 12. THE FLOW VELOCITY OF THE WATER DISTRIBUTION SYSTEM SHALL BE CONTROLLED TO REDUCE THE POSSIBILITY OF WATER HAMMER. A WATER-HAMMER ARRESTOR SHALL BE INSTALLED WHERE QUICK-CLOSING VALVES ARE UTILIZED. WATER-HAMMER ARRESTORS SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS. WATER-HAMMER ARRESTORS SHALL CONFORM TO ASSE 1010.
 13. PIPE AND PIPE FITTINGS, INCLUDING VALVES AND FAUCETS, UTILIZED IN THE WATER SUPPLY SYSTEM SHALL HAVE NOT MORE THAN 8-PERCENT LEAD CONTENT.
 14. PIPE, PIPE FITTINGS, JOINTS, VALVES, FAUCETS AND FIXTURE FITTINGS UTILIZED TO SUPPLY WATER FOR DRINKING OR COOKING PURPOSES SHALL COMPLY WITH NSF 372 AND SHALL HAVE A WEIGHTED AVERAGE LEAD CONTENT OF 0.25 PERCENT OR LESS.
 15. WATER DISTRIBUTION PIPE SHALL CONFORM TO NSF 61 AND SHALL CONFORM TO ONE OF THE STANDARDS LISTED IN TABLE 605.4. HOT WATER DISTRIBUTION PIPE AND TUBING SHALL HAVE A PRESSURE RATING OF NOT LESS THAN 100 PSI AT 180°F.
 16. PIPE FITTINGS SHALL BE APPROVED FOR INSTALLATION WITH THE PIPING MATERIAL INSTALLED AND SHALL COMPLY WITH THE APPLICABLE STANDARDS LISTED IN TABLE 605.5. PIPE FITTINGS UTILIZED IN WATER SUPPLY SYSTEMS SHALL ALSO COMPLY WITH NSF 61. DUCTILE AND GRAY IRON PIPE AND PIPE FITTINGS UTILIZED IN WATER SERVICE PIPING SYSTEMS SHALL BE CEMENT MORTAR LINED IN ACCORDANCE WITH AWWA C104.
 17. VALVES SHALL BE COMPATIBLE WITH THE TYPE OF PIPING MATERIAL INSTALLED IN THE SYSTEM. VALVES SHALL CONFORM TO ONE OF THE STANDARDS LISTED IN TABLE 605.7 OR SHALL BE APPROVED. VALVES INTENDED TO SUPPLY DRINKING WATER SHALL MEET THE REQUIREMENTS OF NSF 61.
 18. MANUFACTURED PIPE NIPPLES SHALL CONFORM TO ONE OF THE STANDARDS LISTED IN TABLE 605.8 OF THE 2014 NYSFC.
 19. THE FOLLOWING TYPES OF JOINTS ARE PROHIBITED: CEMENT OR CONCRETE JOINTS, JOINTS MADE WITH FITTINGS NOT APPROVED FOR THE SPECIFIC INSTALLATION, SOLVENT-CEMENT JOINTS BETWEEN DIFFERENT TYPES OF PLASTIC PIPE, AND SADDLE-TYPE FITTINGS.
 20. SHUTOFF VALVES SHALL BE INSTALLED IN THE FOLLOWING LOCATIONS: ON THE FIXTURE SUPPLY TO EACH PLUMBING FIXTURE, ON THE WATER SUPPLY PIPE TO EACH SILLCOCK, ON THE WATER SUPPLY PIPE TO EACH APPLIANCE OR MECHANICAL EQUIPMENT.
 21. HOT WATER SUPPLY SYSTEMS SHALL BE EQUIPPED WITH AUTOMATIC TEMPERATURE CONTROLS CAPABLE OF ADJUSTMENTS FROM THE LOWEST TO THE HIGHEST ACCEPTABLE TEMPERATURE SETTINGS FOR THE INTENDED TEMPERATURE OPERATING RANGE.
 22. ACCESS SHALL BE PROVIDED TO ALL FULLOPEN VALVES AND SHUTOFF VALVES.
 23. PROVIDE A SLEEVE FOR PIPING PROTECTION. TYPICAL OF ALL PIPE PENETRATIONS THROUGH THE FOUNDATION WALL. SEE DETAILS FOR SPECIFIC APPLICATIONS.
 24. PLUMBING CONTRACTOR TO INCLUDE THE 4" INCOMING FIRE SPRINKLER SERVICE UP TO AND INCLUDING THE DOUBLE CHECK DETECTOR VALVE AND HOUSE CONTROL VALVE SPECIFIED ON THE FIRE SPRINKLER PLANS.
 25. THE DOMESTIC WATER SYSTEM SHALL BE TESTED IN ACCORDANCE WITH SECTION 312 OF THE 2020 NYSFC.

1 BASEMENT FLOOR DOMESTIC WATER PLAN
P-4 3/16" = 1'-0"

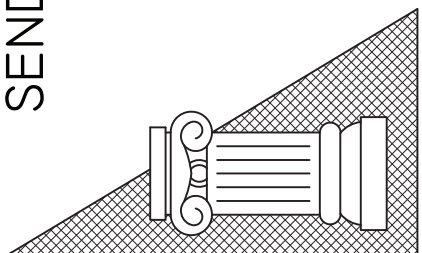
5' 0 5 10
3/16"=1'-0"

DATE: ISSUE

04-21-21
ISSUED FOR BIDDING

SEAL:

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HARRISON FIRE DEPT.
PROPOSED ADDITION
206 HARRISON AVE
HARRISON, NY 10528
BASEMENT FLOOR
DOMESTIC WATER PLAN

PROJECT #: 2020-04

DRAWN BY: SEND. ARCH.

CAD FILE: P/2020/HFD
2020-04

DRAWING#:

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