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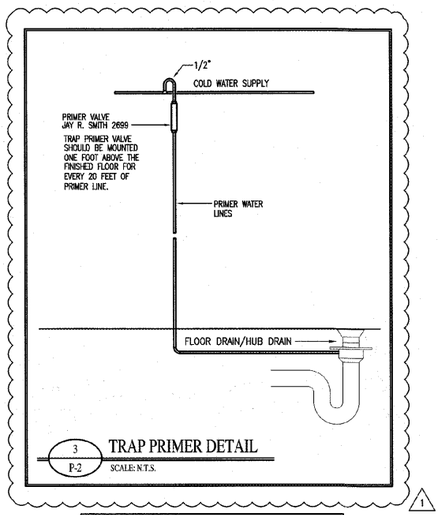
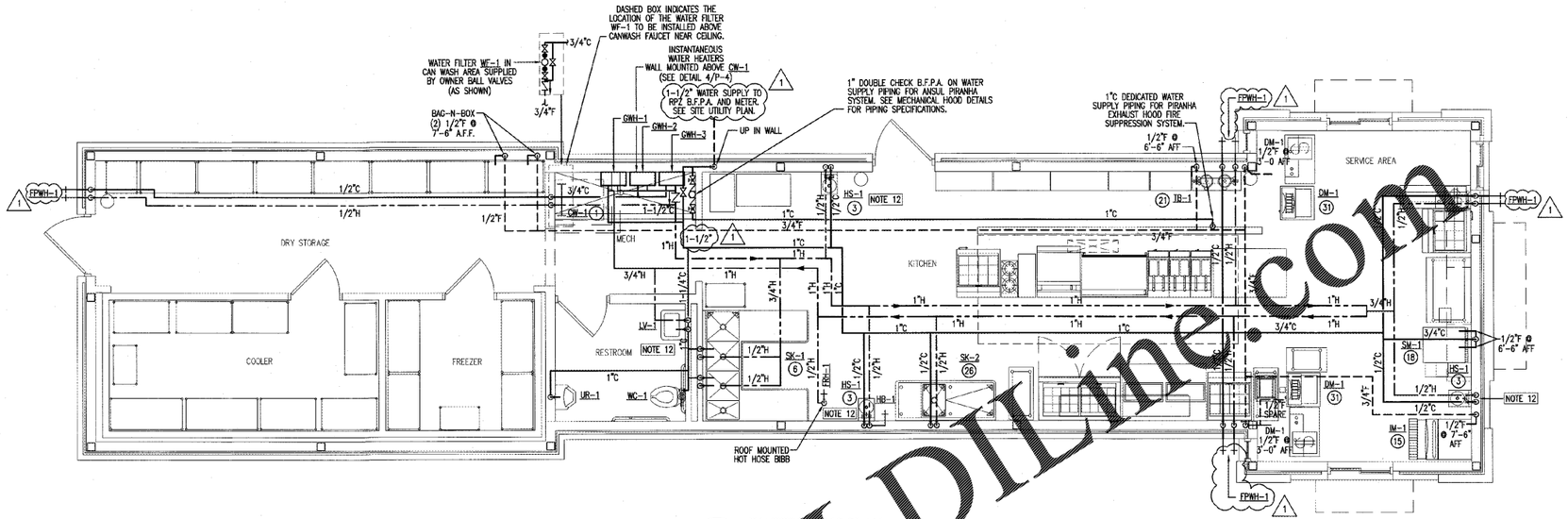
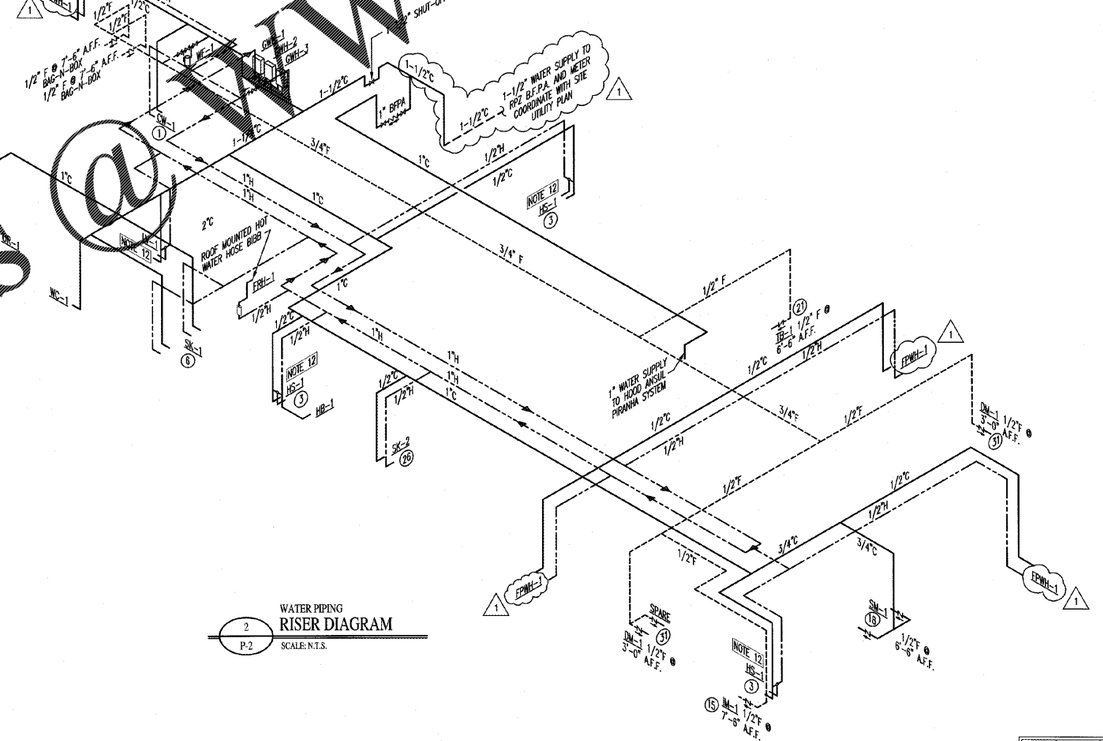


3 / P-2 TRAP PRIMER DETAIL
SCALE: N.T.S.

PIPING LEGEND	
SYMBOL	DESCRIPTION
———	COLD WATER
- - - - - -	FILTERED COLD WATER
——— — ———	HOT WATER 140°
	CHECK VALVE



1 / P-2 WATER PIPING PLAN
SCALE: N.T.S.



2 / P-2 WATER PIPING RISER DIAGRAM
SCALE: N.T.S.

PLUMBING NOTES:

1. PLUMBING TO BE INSTALLED IN ACCORDANCE WITH ALL STATE AND LOCAL CODES.
2. PLUMBING CONTRACTOR TO COORDINATE ALL WORK WITH OTHER TRADES.
3. ALL WASTE AND VENT PIPING TO BE SCHEDULE 40 P.V.C.
4. WATER LINES TO BE COPPER TYPE K (SOFT DRAWN) BELOW SLAB, AND TYPE L HARD COPPER ABOVE SLAB.
5. ALL P.V.C. UNDER SLAB SHALL BE A MINIMUM OF 2" NPS.
6. COPPER PIPING TO BE INSULATED WHERE IT PASSES THROUGH CONCRETE.
7. PLUMBING CONTRACTOR SHALL (OR HAVE LOCAL MUNICIPALITY) PERFORM A WATER PRESSURE TEST. IF RESIDUAL WATER PRESSURE IS MORE THAN 60 PSI OR LESS THAN 35 PSI, CONTACT ENGINEER TO ASSESS NEED FOR A PRESSURE REDUCING VALVE (PRV) OR A PRESSURE BOOSTER SYSTEM.
8. INSULATE HOT AND COLD WATER LINES IN ACCORDANCE WITH BUILDING CODE. INSULATE COLD WATER LINES WHERE SWEATING WOULD RESULT IN STRUCTURAL DAMAGE TO BUILDING DUE TO ROTTING OF WOOD OR STAINING OF CEILING TILES.
9. TRAP PRIMERS SHALL BE INSTALLED ON FLOOR DRAINS AND HUB DRAINS UNLESS OTHERWISE INDICATED. ALL TRAP PRIMER PIPING TO BE COPPER.
10. LAVATORIES ARE TO BE EQUIPPED WITH CLEAN-OUT TEES BELOW.
11. ALL FIXTURES ARE TO BE EQUIPPED WITH SHUT-OFF VALVES ON SUPPLY LINES.
12. INSTALL TEMPERING VALVE AND ADJUST HOT WATER TEMPERATURE TO 110°F AHEAD OF LAVATORIES AND HAND SINKS.
13. ANY FIRE RATED ASSEMBLY PENETRATIONS ARE TO BE PER CODE. CONTRACTOR SHOULD REVIEW ALL FIRE RATING PENETRATIONS.
14. THE CONTRACTOR SHALL COORDINATE THE LOCATION OF ALL PIPING AND EQUIPMENT WITH ALL OTHER TRADES PRIOR TO BEGINNING INSTALLATION TO AVOID CONFLICTS AND INTERFERENCE WITH OTHER TRADES.
15. FINAL UTILITY CONNECTIONS (GAS, ELECTRIC, WATER ETC.) TO EQUIPMENT SHALL BE MADE BY THE CONTRACTOR INSTALLING THE EQUIPMENT REQUIRING THE UTILITIES.
16. PLANS AND ISOMETRICS ARE DIAGRAMMATIC. THERE IS NO INTENT TO INDICATE ALL FITTINGS REQUIRED. VERTICALLY, PIPING SHALL BE INSTALLED PARALLEL OR PERPENDICULAR TO AND PLUMB WITH WALL CONSTRUCTION.
17. SOIL AND WASTE PIPING SHALL BE LAID ON MINIMUM 1/4" PER FT. SLOPE FOR PIPE SIZES LESS THAN 3", AND MINIMUM 1/8" PER FT. FOR PIPE 3" AND LARGER UNLESS OTHERWISE NOTED.
18. UNLESS OTHERWISE NOTED, PLUMBING CONTRACT SHALL TERMINATE AT A POINT FIVE (5) FEET OUTSIDE THE BUILDING. FOR WORK BY OTHER CONTRACTORS OUTSIDE THE 5'-0" TERMINATION, REFER TO SITE UTILITY DRAWINGS.
19. VALVES AND DEVICES INSIDE CHASES OR WALLS OR ABOVE NON-ACCESSIBLE CEILINGS SHALL BE PROVIDED WITH APPROPRIATELY SIZED ACCESS PANEL COMPATIBLE WITH SURROUNDING FINISHES. SUCH ACCESS PANELS SHALL BE FURNISHED BY THE PLUMBING CONTRACTOR FOR INSTALLATION BY THE GENERAL CONTRACTOR.
20. PLUMBING VENT PIPING PENETRATING ROOF SHALL BE INSTALLED BY THE PLUMBING CONTRACTOR. CUTTING OF HOLES AND FLASHING OF PENETRATIONS SHALL BE BY THE GENERAL CONTRACTOR.
21. REFER TO ARCHITECTURAL DRAWINGS FOR DIMENSIONED LOCATIONS OF WALLS AND PARTITIONS AND FOR PARTITION THICKNESS AND CONSTRUCTION MATERIALS.
22. ALL KITCHEN EQUIPMENT WITH WATER SUPPLY TO BE EQUIPPED WITH A VACUUM BREAKER ON EACH SUPPLY LINE.
23. ROOF TOP CONDENSATE TO BE PIPED TO DRAIN PROVIDED – WITH 2" AIR GAP (CONDENSATE DRAIN TO BE PIPED INTO CAN WASH).
24. PVC SLEEVES SHALL BE INSTALLED WHERE WATER SUPPLY LINES PASS THROUGH THE CONCRETE FLOOR SLAB.
25. FOR PLASTIC SEWER PIPING, AN INSULATED COPPER TRACER WIRE OR OTHER APPROVED CONDUCTOR SHALL BE INSTALLED ADJACENT TO AND OVER THE FULL LENGTH OF THE PIPING. ACCESS SHALL BE PROVIDED TO THE TRACER WIRE OR THE TRACER WIRE SHALL TERMINATE AT THE CLEANOUT BETWEEN THE BUILDING DRAIN AND SEWER. THE TRACER WIRE SIZE SHALL BE NOT LESS THAN 14 AWG AND THE INSULATION TYPE SHALL BE LISTED FOR DIRECT BURIAL.

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REV #	DATE	BY	CHECKED	DESCRIPTION
1	3/11/19	TGW	GKB	REVISED WATER MAIN TO BE 1-1/2" AND REVISED FIXTURE MODEL NUMBERS AT THE REQUEST OF OWNER. REFER TO EMAILS DATED 3/7/19 AND 3/11/19 FROM JOHN ARMFIELD OF COOKOUT.

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DRAWING NAME
WATER PIPING PLAN

NORTH CAROLINA PROFESSIONAL SEAL 25043 ENGINEER
3/13/2019

DRAWN	TGW
CHECKED	JNK
DATE	2/27/19
SCALE	AS NOTED
JOB NO.	19021
SHEET	P-2