PLUMBING NOTES:

1. UNDERGROUND SANITARY AND VENT PIPING 3" AND LARGER SHALL BE SERVICE WEIGHT HUB AND SPIGOT CAST IRON SOIL PIPE AND FITTINGS

2. SUSPENDED VENT PIPING 2" AND SMALLER SHALL BE SCHEDULE 40 GALVANIZED STEEL PIPE WITH CAST IRON DRAINAGE FITTINGS WITH THREADED JOINTS.

3. SUSPENDED DOMESTIC WATER PIPING 2" AND SMALLER HAVING AN OPERATING PRESSURE OF LESS THAN 125 PSI SHALL BE TYPE 'L' COPPER TUBING WITH WROUGHT COPPER OR CAST BRONZE TYPE SOLDER JOINT FITTINGS.

4. SUSPENDED DOMESTIC WATER PIPING LARGER THAN 2" HAVING AN OPERATING PRESSURE OF LESS THAN 125 PSI SHALL BE SCHEDULE 40 GALVANIZED STEEL PIPE WITH CLASS 250 GALVANIZED MALLEABLE IRON FITTINGS.

5. ALL THREADED JOINTS SHALL BE MADE WITH TEFLON TAPE. JOINT COMPOUND SHALL NOT BE USED.

6. ALL CONNECTIONS BETWEEN FERROUS AND NON-FERROUS METALS SHALL BE MADE WITH DILECTRIC INSULATING TYPE FITTINGS.

7. ALL SHUTOFF VALVES SHALL BE BALL VALVE TYPE MANUFACTURED BY 'APOLLO'.

8. ALL PIPE SUPPORTS SHALL BE MANUFACTURED BY GRINNEL, HILTI OR PHILIPS. PERFORATED PIPE STRAPPING AND OTHER MAKESHIFT SUPPORTS SHALL NOT BE USED.

9. ALL DOMESTIC WATER PIPING SHALL BE INSULATED EXCEPT PIPING WITHIN CHASES OR WALLS ADJACENT TO A FIXTURE MAY BE UNINSULATED. INSULATION SHALL BE FIBERGLASS WITH SERVICE JACKET. THICKNESS: 1/2" FOR COLD WATER SUPPLY PIPING AND 1" FOR HOT WATER SUPPLY PIPING. FITTINGS SHALL HAVE POLYVINYL CHLORIDE (PVC) FITTING COVERS.

10. ALL VALVES, UNIONS AND OTHER ITEMS REQUIRING ACCESS SHALL NOT BE INSULATED.

11. PROVIDE SADDLES AND BLOCKING AT EACH SUPPORT TO PREVENT INSULATIONS DAMAGE.

12. ALL PIPING SHALL BE IDENTIFIED WITH A SYSTEM OF TAPES OR LABELS SHOWING FLUID TYPE AND DIRECTION OF FLOW. INSTALL SUFFICIENT NUMBER OF MARKERS SO THAT PIPING CAN BE READILY FOLLOWED THROUGH THE SPACE.

13. INSTALLATION TO BE IN ACCORDANCE WITH THE BASE BUILDING STANDARD MANUAL. THE CONTRACTOR SHALL REVIEW PRIOR TO SUBMITTING A BID.

14. ALL VALVES SHALL HAVE A VALVE NUMBER ON A METAL TAG. A SCHEDULE LISTING EACH VALVE INSTALLED, ITS LOCATION AND WHAT IT SERVES SHALL BE PROVIDED TO THE OWNER.

15. AS BUILT DRAWINGS SHALL BE FURNISHED AFTER COMPLETION OF THE WORK TO THE OFFICE OF THE BUILDING.

16. PLUMBING CONTRACTOR SHALL BE LICENSED BY THE STATE OF ILLINOIS.

17. PLUMBING CONTRACTOR SHALL BE RESPONSIBLE FOR ALL WATER, SANITARY AND STORM PIPING WITHIN THE BUILDING ENVELOPE AND EXTENDING TO A POINT 5'-0" OUTSIDE THE FOUNDATION WALL.

18. THE PLUMBING CONTRACTOR SHALL PROVIDE A COMPLETE AND OPERATING DOMESTIC WATER SUPPLY SYSTEM, SANITARY WASTE AND STORM SYSTEM IN ACCORDANCE WITH ALL LOCAL, STATE AND NATIONAL CODES.

19. ALL UNDERGROUND SANITARY AND STORM PIPING SHALL BE SCHEDULE 40 PVC PIPE OR CAST IRON AS REQUIRED BY LOCAL CODES.

20. PROVIDE CLEANOUTS AT 50'-0" ON CENTER ALONG THE LENGTH OF THE SANITARY SEWER DRAIN PIPE AND WITHIN 5'-0" OF WHERE THE SEWER PIPE LEAVES THE BUILDING.

21. ALL ABOVE GROUND SANITARY WASTE AND VENT PIPING SHALL BE SCHEDULE 40 PVC PIPING SUITABLE FOR FOR DRAIN WASTE AND VENTING.

22. ALL SANITARY AND STORM RISERS SHALL HAVE A CLEANOUT AT THE BASE OF THE RISER PIPE.

23. UNDERGROUND WATER PIPING SHALL BE TYPE 'K' COPPER WITH FLARED FITTINGS.

24. ABOVE GROUND WATER PIPING SHALL BE TYPE 'L' COPPER WITH NO-LEAD SOLDER.

25. PROVIDE A FROST-PROOF WALL HYDRANT WITH VACUUM BREAKER OUTSIDE OF THE SPRINKLER ROOM.

26. PROVIDE 12" AIR CHAMBERS AT EACH FIXTURE.

27. PROVIDE VALVES IN WATER SERVICE PIPING AS SHOWN ON THE DRAWINGS AND AS REQUIRED BY CODE.

28. PROVIDE A REDUCED PRESSURE ZONE BACKFLOW PREVENTER ON THE DOMESTIC WATER SERVICE IMMEDIATELY AFTER THE WATER METER.

29. A DOUBLE DETECTOR CHECK VALVE (OR RPZ AS REQUIRED BY LOCAL CODE) SHALL BE PROVIDED BY THE SPRINKLER CONTRACTOR FOR THE SPRINKLER FIRE SERVICE LINE.

30. PROVIDE A 2" WATER LINE WITH VALVES FOR FUTURE SERVICE CONNECTIONS AS SHOWN ON THE PLAN.

31. PROVIDE A 4" FLOOR DRAIN IN THE SPRINKLER ROOM. VENT FLOOR DRAIN THRU THE ROOF WITH A 5" INCREASER EXTENDED A MIN. 12" ABOVE THE ROOF. ROOF FLASHING SHALL BE BY THE ROOFING CONTRACTOR.

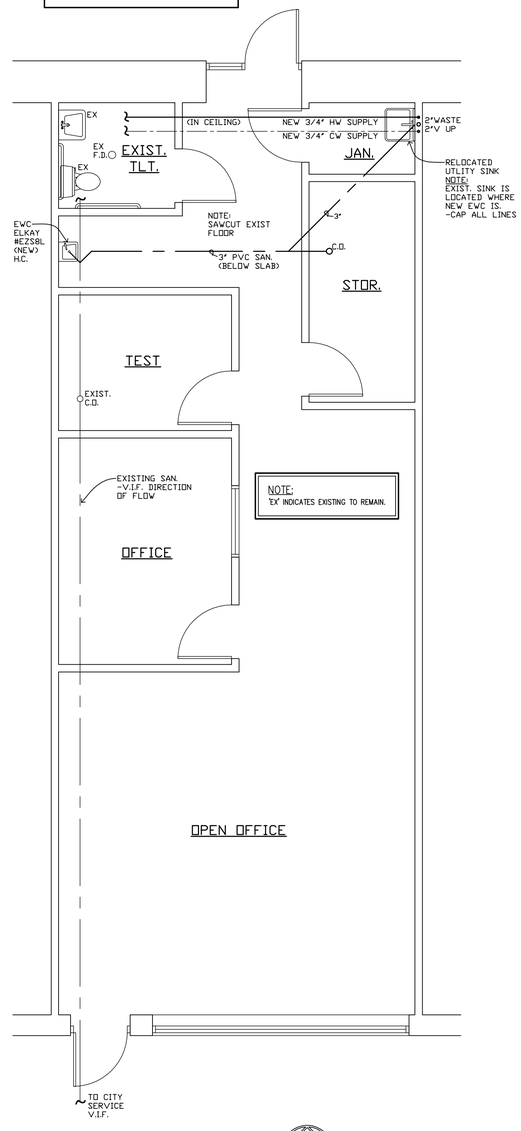
PLUMBING FIXTURE PIPING SCHEDULE

	RISER AND AIR CHAMBER FOR FIXTURE		FIXTURE NIPPLE (VALVE INLET)		CODE REQM'TS		OPERATING PRESS. REQM'T, @ HIGHEST FIXTURE		MOUNTING HT. (FLOOR TO RIM)
FIXTURE TYPE	HW	CW	HW	CW	SAN.	VENT	MIN. PSIG	MAX. PSIG	
UTILITY SINK	3/4"	3/4"	1/2"	1/2"	3"	2"	15	15	
WATER COOLER	--	3/8"	--	3/8"	1-1/4"	1-1/4"	8	8	36" MAX. SPOUT HGT.

LEGEND

- HW SUPPLY
- TW SUPPLY
- CW SUPPLY
- SANITARY
- VENT
- GAS — GAS LINE

NOTE:
FOLLOW 1998 ILLINOIS STATE PLUMBING CODE FOR ALL PLUMBING WORK ON THIS PROJECT.



PLUMBING PLAN
SCALE: 1/4" = 1'-0"

Tim O'Malley, Architects
Architecture & Planning
432 South 14th Street
St. Charles, IL 60174
Ph: 630-762-1062

US Marine Corps Tenant Buildout

2075 Prairie Street, Suite 107, St. Charles, Illinois

Revisions

© COPYRIGHT 2010 BY TIM O'MALLEY, ARCHITECTS
ALL RIGHTS RESERVED

Plotted: FEBRUARY 15, 2010

Issue Date: FEBRUARY 15, 2010

Drawn: OMALLEY

Job No:

Sheet No: P1 of