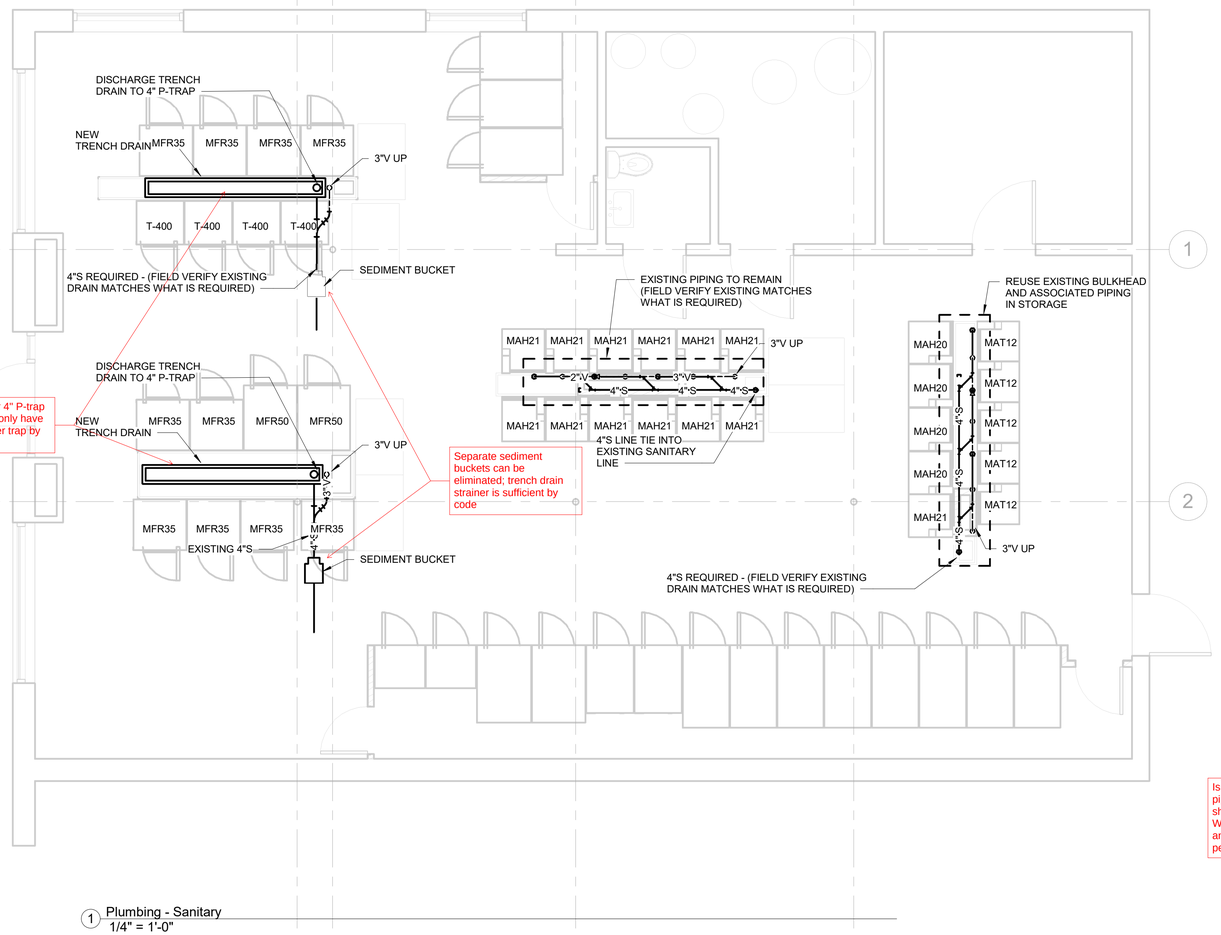
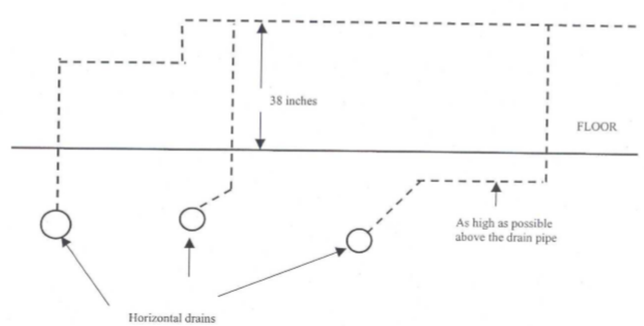


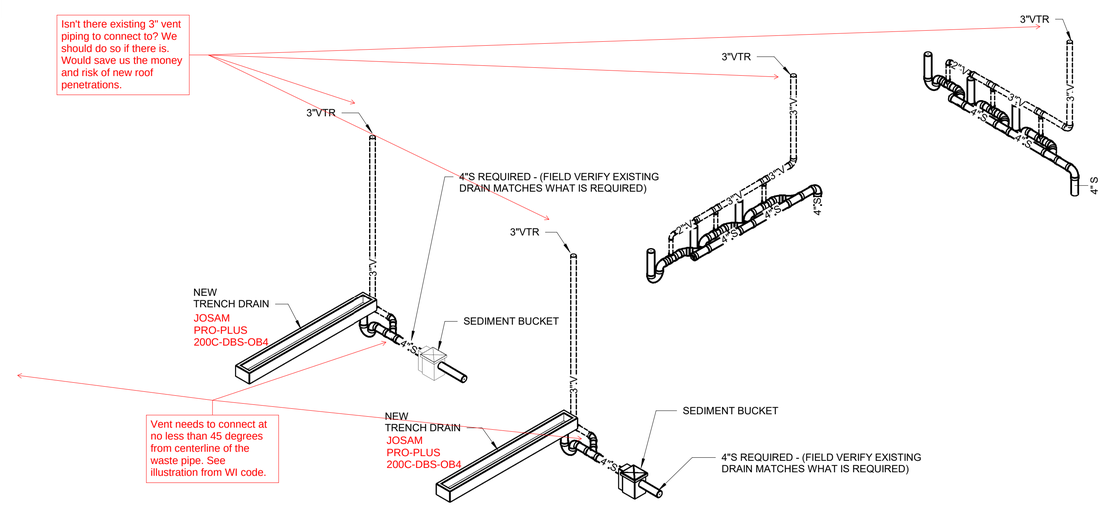
1 Plumbing - Sanitary
1/4" = 1'-0"

GENERAL NOTES:

1. ALL PLUMBING INSTALLATIONS ARE TO BE IN STRICT COMPLIANCE WITH THE WISCONSIN PLUMBING CODE AND ALL STATE AND LOCAL GOVERNING AUTHORITIES HAVING JURISDICTION.
2. COORDINATE THE PIPING AND ACCESSORIES SHOWN ON THIS SHEET WITH ALL TRADES. THIS PIPING LAYOUT IS INTENDED TO PROVIDE THE OVERALL ENGINEERING DESIGN CONCEPT AND DOES NOT PROVIDE FOR RELOCATIONS, OFFSETS, ETC. REQUIRED BY FIELD COORDINATION OF TRADES. THESE SHALL BE PROVIDED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.
3. REMOVE EXISTING SERVICES SERVING DEVICES IN NOTED AREAS AS THEY PERTAIN TO AREA OF DEMOLITION. CONTRACTOR TO FIELD VERIFY EXACT CRITERIA REQUIRED FOR DEMOLITION. EXISTING SERVICES FEEDING OTHER AREAS SHALL REMAIN IN OPERATION.
4. THE CONTRACTOR SHALL PROVIDE DETAILED AND DIMENSIONED PIPING FABRICATION DRAWINGS. ALL CHANGES SHALL BE GIVEN TO THE OWNER FOR "AS-BUILT" DRAWINGS.
5. PROVIDE AND INSTALL FACTORY MANUFACTURED FITTINGS AND ELBOWS ON ALL PIPING SYSTEMS.
6. PROVIDE AND INSTALL SHUTOFF VALVES AT ALL TAKEOFFS FROM MAIN PIPING. INSTALL VALVES NEAR THE PIPING MAIN UNLESS ACCESSIBILITY IS COMPORMISED OR THE VALVE LOCATION IS INDICATED OTHERWISE ON THE DRAWINGS.
7. VALVE LOCATION/ORIENTATION INDICATED ON THE DRAWINGS IS FOR CLARITY ONLY. INSTALL AND ORIENT VALVES FOR ACCESSIBILITY, IN ACCORDANCE WITH THE SPECIFICATIONS, AND PER MANUFACTURER'S RECOMMENDATIONS.
8. ALL VALVES AND ACCESSORIES REQUIRING ACCESS THAT ARE LOCATED ABOVE INACCESSIBLE CEILING SHALL BE PROVIDED WITH A CEILING ACCESS PANEL. THE CONTRACTOR SHALL COORDINATE THE EXACT LOCATION OF THESE ACCESS PANELS.
9. SEAL ALL PENETRATIONS THROUGH RATED WALL OR FLOORS WITH A U.L. LISTED ASSEMBLY TO PROVIDE A RATING EQUAL TO OR GREATER THAN THE RATING OF THE WALL OR FLOOR.
10. CONTRACTOR SHALL VERIFY ALL PRESENT CONDITIONS INCLUDING, BUT NOT LIMITED TO, PIPE SIZES, LOCATIONS, INVERTS, TEMPERATURES, ELEVATIONS, PRESSURES, ETC. PRIOR TO START OF CONSTRUCTION AND MAKE MODIFICATIONS FOR WORK SHOWN AS REQUIRED TO ACCOMMODATE PRESENT OR NEW CONSTRUCTION.
11. EXISTING SERVICES SHALL NOT BE INTERRUPTED EXCEPT AS DIRECTED BY THE OWNER. WHEN SUCH INTERRUPTIONS ARE ALLOWED, THE SYSTEMS SHALL BE PUT BACK INTO OPERATION AS SOON AS POSSIBLE, BUT NO LATER THAN AT THE END OF THE NORMAL DAY, UNLESS SPECIFIC DIRECTION IS OTHERWISE GIVEN.
12. MANITAIN PIPING CLEARANCES REQUIRED BY THE WISCONSIN ELECTRICAL CODE ABOVE ELECTRICAL PANELS. FIELD COORDINATE WITH ELECTRICAL CONTRACTOR.
13. PIPE, FITTINGS AND JOINTS:
    - A. WASTE, DRAIN AND VENT:
    - B. PIPE:
        - a. CAST IRON, NO-HUB, CISPI 301, ASTM A888, ASTM A74 AND NSF
        - b. PVC SCHEDULE 40 DWV, SOLID WALL, ASTM D 2665, ASTM D 1784
    - C. FITTINGS:
        - a. CAST IRON, NO-HUB, CISPI 301, ASTM A888, ASTM A74 AND NSF.
        - b. PVC SCHEDULE 40 DWV, ASTM D 2665
    - D. JOINTS:
        - a. CISPI 310, NEOPRENE GASKETS AND HEAVY DUTY STAINLESS STEEL CLAMP-AND-SHIELD ASSEMBLIES
        - b. ASTM D 2564 SOLVENT CEMENT WITH ASTM F 656 PRIMER
    - E. POTABLE WATER:
    - F. PIPE:
        - a. COPPER, TYPE L, HARD DRAWN, ASTM A88.
    - G. FITTINGS: COPPER OR BRONZE, ASME A16.18, ASME B16.22.
    - H. JOINTS: LEAD FREE SOLDER, ASTM B32
14. PVC PIPE AND FITTINGS ARE TO BE PRODUCED BY A SINGLE MANUFACTURER. ALL PIPE, FITTINGS, AND JOINTS ARE TO BE INSTALLED PER MANUFACTURER'S RECOMMENDATIONS.
15. VALVES: BRONZE, TWO PIECE BALL VALVE WIT STAINLESS STEEL TRIM. MSS SP-110. MILWAUKEE VALVE UPBA400S OR APPROVED EQUAL
16. MATCH EXISTING COLD WATER PIPING INSULATION FOR NEW COLD WATER PIPING. INSULATE HOT WATER PIPING WITH 1-1/2 INCH GLASS FIBER INSULATION, 'K' VALUE OF 0.23 AT 75 DEGREES F. ALL INSULATION AND INSULATION JACKET IS TO BE PLENUM RATED WITH A SMOKE/FLAME RATING OF 25/50.
17. CONTRACTOR IS REQUIRED TO TEST ALL WATER PIPING UNDER WATER PRESSURE NOT LESS THAN 150 PERCENT WORKING PRESSURE FOR THE SYSTEM. ISOLATE VENT AND WATER SYSTEM AND FILL WITH WATER TO TEN FEET ABOVE GRADE OR TO HIGHEST CONNECTION POINT. MAINTAIN LEVEL FOR FOUR HOURS AND INSPECT FOR LEAKS.
18. PROVIDE AND INSTALL PLASTIC TAPE PIPE MARKERS FOR ALL PIPING AND METAL TAGS FOR ALL EQUIPMENT AND VALVES.
19. PROVIDE DEEP TYPE CAST BRASS OR CHROME ESCUTCHEONS WITH SET SCREW TO COVER SLEEVES, FITTING PROJECTIONS AND ALL EXPOSED PIPING THROUGH WALLS, FLOORS AND EXPOSED CEILINGS.
20. ALL FLOOR DRAINS AND HUB DRAINS REQUIRE TRAP PRIMERS OR TRAP EVAPORATION PREVENTION DEVICE. PROVIDE ACCESS PANEL FOR TRAP PRIMER WHERE NECESSARY.
21. SLOPE SANITARY SEWER LINES 3 INCH AND GREATER AT 1/8 INCH PER FOOT MINIMUM. SLOPE SANITARY SEWER LINES 2 INCH AND SMALLER AT ¼ INCH PER FOOT MINIMUM.
22. NEW FIXTURES ARE TO MATCH EXISTING TO THE EXTENT POSSIBLE. WHERE EXISTING FIXTURES ARE OBSOLETE OR NOT ALLOWABLE BY CODE, PLUMBING SUBCONTRACTOR IS TO CONSULT ARCHITECT FOR DIRECTION.

A−382.31 (15) (b) VENT GRADES AND CONNECTIONS.





3 ISOMETRIC - SANITARY

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PLUMBING - SANITARY FLOOR PLAN

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