PLUMBING PLAN NOTES

1. STANDPIPE RECEPTORS SHALL BE INDIVIDUALLY VENTED. TRAP TO VENT DISTANCE SHALL MEET THE REQUIREMENTS OF MINNESOTA RULES.

2. EQUIPMENT USED FOR HEATING WATER OR STORING HOT WATER SHALL BE PROTECTED BY APPROVED SAFETY DEVICES IN ACCORDANCE WITH MINNESOTA RULES.

3. ALL EXTERNAL SILLCOCKS AND WALL HYDRANTS SHALL BE PROVIDED WITH SEPARATE SHUT-OFF VALVES INSIDE THE BUILDING. FAUCETS EQUIPPED WITH THREADED HOSE CONNECTIONS SHALL BE PROVIDED WITH APPROVED BACKFLOW PREVENTERS.

4. DOUBLE WYES SHALL NOT BE USED FOR DRAINAGE FITTINGS IN THE HORIZONTAL POSITION.

5. MATERIALS USED FOR WATER DISTRIBUTION PIPING SHALL COMPLY WITH MINNESOTA RULES. ALL SOLDER AND FLUX USED FOR THE POTABLE WATER DISTRIBUTION SYSTEM SHALL CONTAIN LESS THAN 0.2 PERCENT LEAD. USE OF 50-50 SOLDER OR FLUX CONTAINING MORE THAN 0 .2 PERCENT LEAD IS PROHIBITED IN POTABLE WATER DISTRIBUTION SYSTEMS. .ANY SOLDER OTHER THAN 95-5 TIN-ANTIMONY OR 96-4 TIN-SILVER MUST BE SPECIFICALLY APPROVED BY THE ADMINISTRATIVE AUTHORITY PRIOR TO USE.

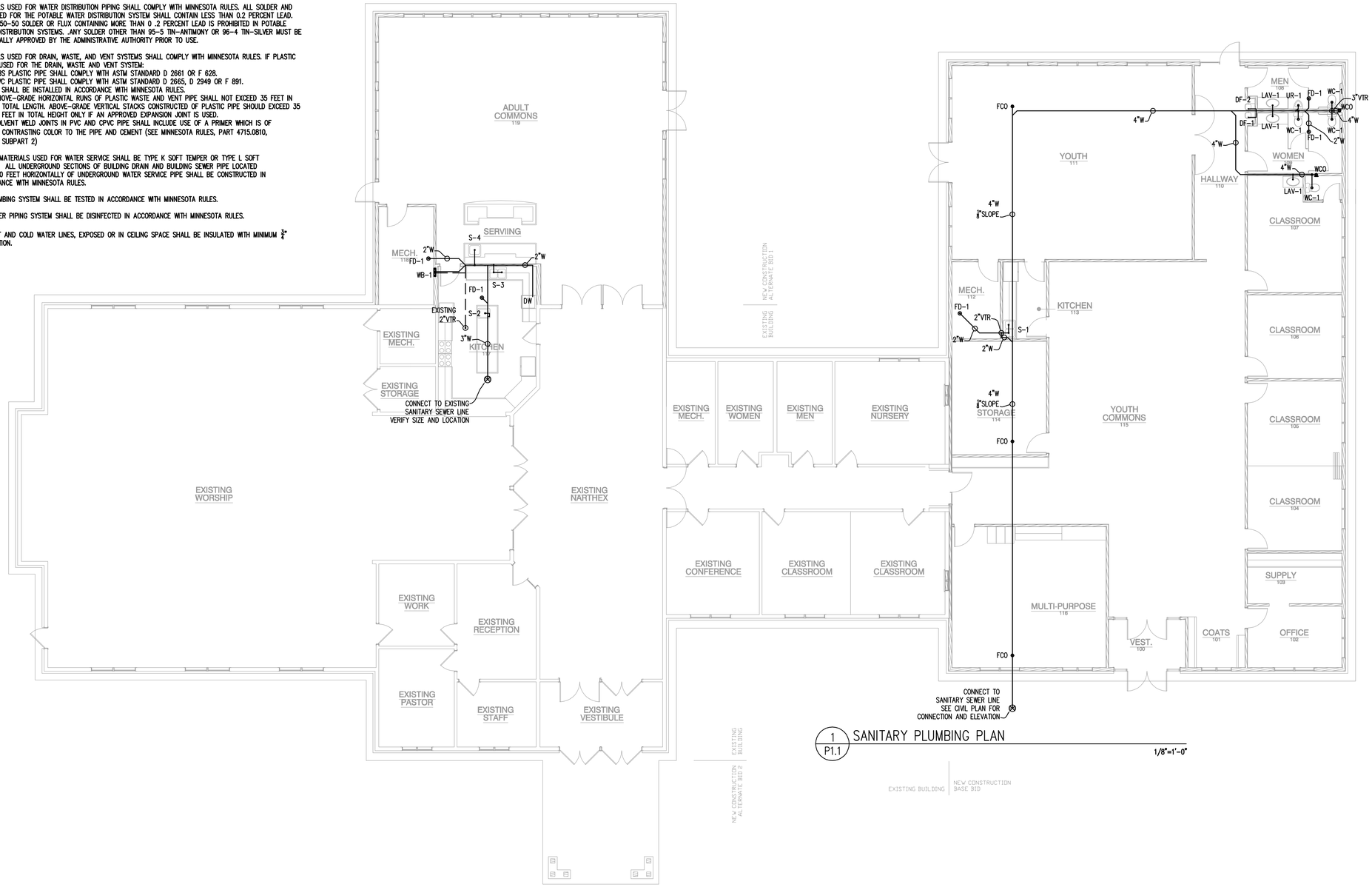
6. MATERIALS USED FOR DRAIN, WASTE, AND VENT SYSTEMS SHALL COMPLY WITH MINNESOTA RULES. IF PLASTIC PIPE IS USED FOR THE DRAIN, WASTE AND VENT SYSTEM:
   A. ABS PLASTIC PIPE SHALL COMPLY WITH ASTM STANDARD D 2661 OR F 628.
   B. PVC PLASTIC PIPE SHALL COMPLY WITH ASTM STANDARD D 2665, D 2949 OR F 891.
   C. IT SHALL BE INSTALLED IN ACCORDANCE WITH MINNESOTA RULES.
   D. ABOVE-GRADE HORIZONTAL RUNS OF PLASTIC WASTE AND VENT PIPE SHALL NOT EXCEED 35 FEET IN TOTAL LENGTH. ABOVE-GRADE VERTICAL STACKS CONSTRUCTED OF PLASTIC PIPE SHOULD EXCEED 35 FEET IN TOTAL HEIGHT ONLY IF AN APPROVED EXPANSION JOINT IS USED.
   E. SOLVENT WELD JOINTS IN PVC AND CPVC PIPE SHALL INCLUDE USE OF A PRIMER WHICH IS OF CONTRASTING COLOR TO THE PIPE AND CEMENT (SEE MINNESOTA RULES, PART 4715.0810, SUBPART 2)

7. COPPER MATERIALS USED FOR WATER SERVICE SHALL BE TYPE K SOFT TEMPER OR TYPE L SOFT TEMPER. ALL UNDERGROUND SECTIONS OF BUILDING DRAIN AND BUILDING SEWER PIPE LOCATED WITHIN 10 FEET HORIZONTALLY OF UNDERGROUND WATER SERVICE PIPE SHALL BE CONSTRUCTED IN ACCORDANCE WITH MINNESOTA RULES.

8. THE PLUMBING SYSTEM SHALL BE TESTED IN ACCORDANCE WITH MINNESOTA RULES.

9. THE WATER PIPING SYSTEM SHALL BE DISINFECTED IN ACCORDANCE WITH MINNESOTA RULES.

10. ALL HOT AND COLD WATER LINES, EXPOSED OR IN CEILING SPACE SHALL BE INSULATED WITH MINIMUM ½" INSULATION.



1 / P1.1 SANITARY PLUMBING PLAN

1/8"=1'-0"

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REVISION	DATE

I hereby certify that this plan, specification or report was prepared by me or under my direct supervision and that I am a duly Licensed Engineer under the laws of the state of Minnesota.

PERRY R. NISTLER, P.E.

3-31-10 Date

22468 License No.

SANITARY PLUMBING PLAN

COMM. NO.:	1070
SCALE:	AS SHOWN
DATE:	MARCH 31, 201
DRAWN BY:	KLJ

P1.1