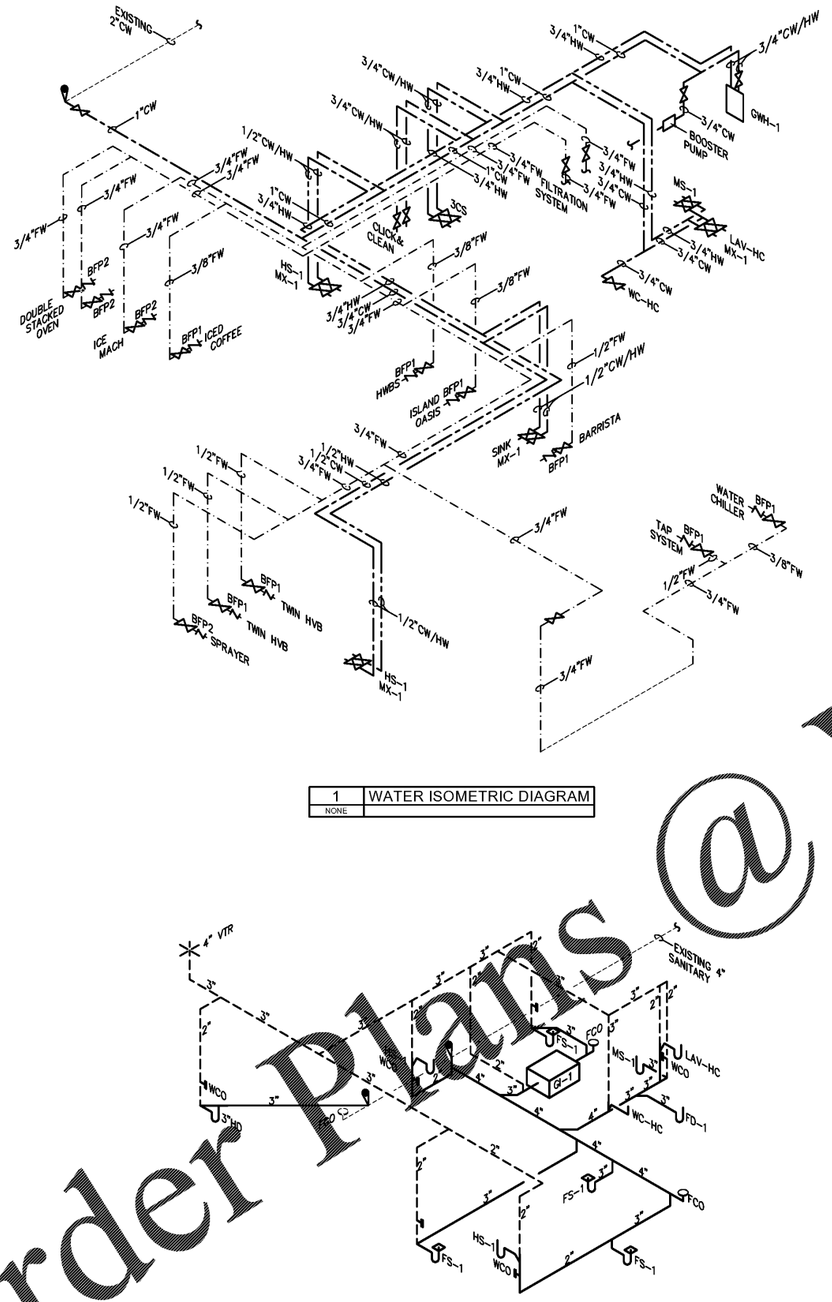
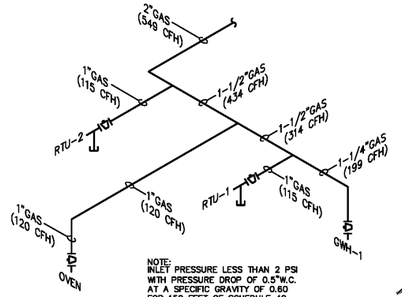


1	WATER ISOMETRIC DIAGRAM
NONE	

2	SANITARY ISOMETRIC DIAGRAM
NONE	



NOTE:
INLET PRESSURE LESS THAN 2 PSI WITH PRESSURE DROP OF 0.5"W.C. AT A SPECIFIC GRAVITY OF 0.60 FOR 150 FEET OF SCHEDULE 40 STEEL PIPING.

GAS METER AND REGULATER BY GAS COMPANY. COORDINATE ALL REQUIREMENTS WITH GAS COMPANY.

3	GAS ISOMETRIC DIAGRAM
NONE	

PLUMBING FIXTURE SCHEDULE

WC-HC: WATER CLOSET – ADA – AMERICAN STANDARD NO.2835.128 CADET 3 FLOWISE ENLONGATED EVERCLEAN, OPEN FRONT SEAT NO. 5284.016, WITHOUT COVER AND SUPPLY.

LAV-HC: LAVATORY – ADA – AMERICAN STANDARD LUCERNE NO. 0355.012. CONCEALED ARMES NO. 700–E BY J.R.SMITH CO. WITH SLOAN OPTIMA NO. ETF–800 WITH TRANSFORMER NO. EL–154 AND AERATOR NO. ETEF–1024–A.

HS–1: HAND SINK – WALL MOUNTED.

MS–1: MOP SINK – MOP BASIN. MUSTEE NO. 63M 24x24x10". PROVIDE 63.600A FAUCET, 65.700 HOSE & HOLDER AND 65.600 MOP HANGER.

GI–1: GREASE INTERCEPTOR – SCHIER GB–50, ASME A112.14.3 & CSA B48.1.1. CAPACITIES: 50 GPM, 52 GAL LIQUID, 249 LB GREASE, 12.5 GAL SOLIDS. GAS/WATER TIGHT POLYETHYLENE COVER, FLOW CONTROL, 3" INLET/OUTLET.

GWH–1: GAS WATER HEATER – RINNAI NO. RL94i TANKLESS, CONTINUOUS FLOW GAS FIRED SYSTEM. 199 CFH, 3/4"INLET / OUTLET. DIRECT VENT, FORCED COMBUSTION.

FILTER: WATER FILTRATION SYSTEM – SHEET P–4A & P–4B. SEE NATIONAL ACCOUNT.

WCO: WALL CLEAN–OUT – ZURN, #Z–1441, SMOOTH STAINLESS STEEL ACCESS COVER, DURA–COATED CAST IRON BODY. MATCH TO PIPE SIZE.

SA: SHOCK ABSORBER– SHALL BE J.R.SMITH 5005 THRU 5050 AND SIZED AS RECOMMENDED BY MANUFACTURER.

MX–1: MIXING VALVE – SYMMONS 5–225–CK–PEX MAXLINE, ASSE 1070.

FS–1: FLOOR SINK – JOSAM NO. 49000 WITH HALF GRATE, NICKALOY TOP AND SEDIMENT BUCKET.

HB–1: WALL HYDRANT, FREEZE PROOF – ZURN NO. Z–1320–CXL–BFP, ENCASED FLUSH WALL HYDRANT, NICKEL BRONZE BOX AND HINGED COVER WITH OPERATING KEY LOCK AND "WATER" CAST ON COVER. 3/4"CW

BFP1: BACKFLOW PREVENTER – DUAL CHECK WITH VENT – WILKINS 740, ASSE 1022.

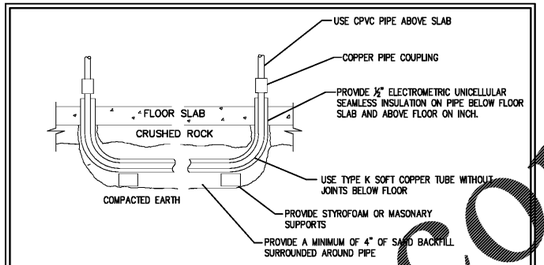
BFP2: BACKFLOW PREVENTER – DUAL CHECK – WILKINS 700, ASSE 1024.

BFP3: BACKFLOW PREVENTER – ASSE 1015.

BP: BOOSTER PUMP – MCANN'S NO. 16–2173–DD WITH INTEGAL PRESSURE GAUGE AND BYPASS. SEE NATIONAL ACCOUNT.

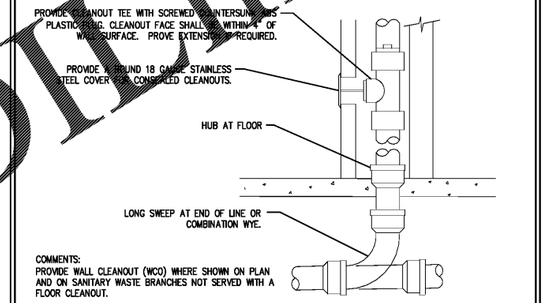
MATERIAL SPECIFICATIONS

1. DOMESTIC WATER PIPING SHALL BE CPVC AND TYPE L COPPER IN FIRE RATED WALL. PROVIDE 12 GA. TRACER WIRE ABOVE PIPE BELOW SLAB. HW PIPING SHALL BE INSULATED.
2. SANITARY WASTE AND VENT PIPING SHALL BE SCHEDULE 40 PVC PIPE WITH SOLVENT FITTINGS. CONFORMING TO ASTM STANDARDS.
3. PIPE INSULATION FOR DOMESTIC WATER SHALL BE 1" THICK, 3/4LB. DENSITY FIBERGLASS WITH VAPOR BARRIER JACKET. SEE ARCH PLANS FOR EXTERIOR WALL PLUMBING DETAIL.
4. EQUIPMENT PLUMBING CONNECT TO BE MADE WITH FLEX LINE FROM LOCATION OF BACKFLOW PREVENTOR VALVE BEHIND EQUIPMENT AT MILLWORK WALL. SEE ARCH SHEET K1A FOR TYPICAL DETAIL.



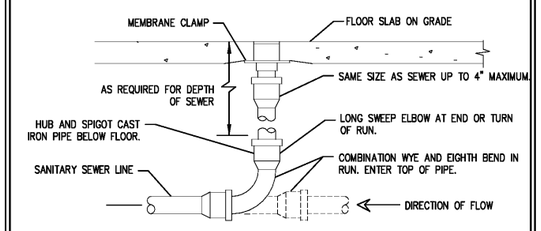
COMMENTS:
1. IF FLOOR SLAB IS EXISTING, SAW CUT FLOOR, EXCAVATE AS REQUIRED. INSTALL PIPING, VAPOR BARRIER AND PATCH FLOOR AS REQUIRED.
2. PIPING TO HAVE LONG RADIUS TURNS WITH NO KINKS IN THE LINE.
3. THERE SHALL BE NO CONTACT OF COPPER PIPE WITH ANY OTHER PIPE, CONDUIT, OR REINFORCING STEEL.
4. SEPARATE HOT AND COLD WATER LINES BY 12" MINIMUM.

4	WATER PIPE UNDER SLAB
NONE	



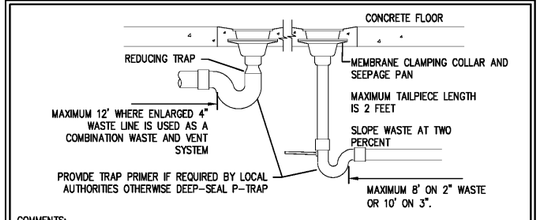
COMMENTS:
PROVIDE WALL CLEANOUT (WCO) WHERE SHOWN ON PLAN AND ON SANITARY WASTE BRANCHES NOT SERVED WITH A FLOOR CLEANOUT.

5	WALL CLEANOUT
NONE	



COMMENTS:
1. LOCATE AT BUILDING EXIT, AT ENDS OF RUNS, AT TURNS OF PIPE GREATER THAN 45 DEGREES, AT 50' INTERVALS ON STRAIGHT RUNS, AND/OR WHERE SHOWN ON PLANS. PROVIDE BACKFILL PER ARCHITECTURAL SPECIFICATIONS. LOCATE CLEANOUTS WHERE THERE IS 18" CLEAR AROUND. CONSULT LOCAL CODES FOR OTHER FCO REQUIREMENTS.
2. ROUND SECURED GASKETED NICKEL BRONZE ADJUSTABLE TOP WITH "CO" CAST IN COVER. PROVIDE CLEANOUT TOP WITH VARIATIONS SUITABLE FOR FLOOR COVERING (CARPET MARKER, RECESSED FOR TILE, SCORIATED FOR UNFINISHED FLOORS). PROVIDE GASKETED PLASTIC PLUG IN CAST IRON BODY. USE TEFLON JOINT COMPOUND ON PLUG THREADS. CLEAN THE TOP OF EXPOSED FCO AFTER INSTALLATION.

6	FLOOR CLEANOUT DETAIL
NONE	



COMMENTS:
1. LOCATE FLOOR DRAIN/SINK WHERE SHOWN ON DIMENSIONED FLOOR PLAN. IF SITUATION IS FLOOR SLAB ON GRADE, SET DRAIN BODY IN PLACE, PROVIDE BACKFILL, AND POUR AROUND IT. RECESS TOP OF FLOOR DRAINS 1/2" BELOW FLOOR DATUM AND SLOPE FLOOR TO IT. DO NOT RECESS FLOOR SINKS.
2. OTHER VENTING METHODS MAY BE USED, IF APPROVED BY LOCAL CODE AND/OR LOCAL AUTHORITIES.

7	FLOOR DRAIN AND SINK DETAIL
NONE	

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DWG TITLE:

PLUMBING RISERS AND SCHEDULES

SHEET No.
P-2

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