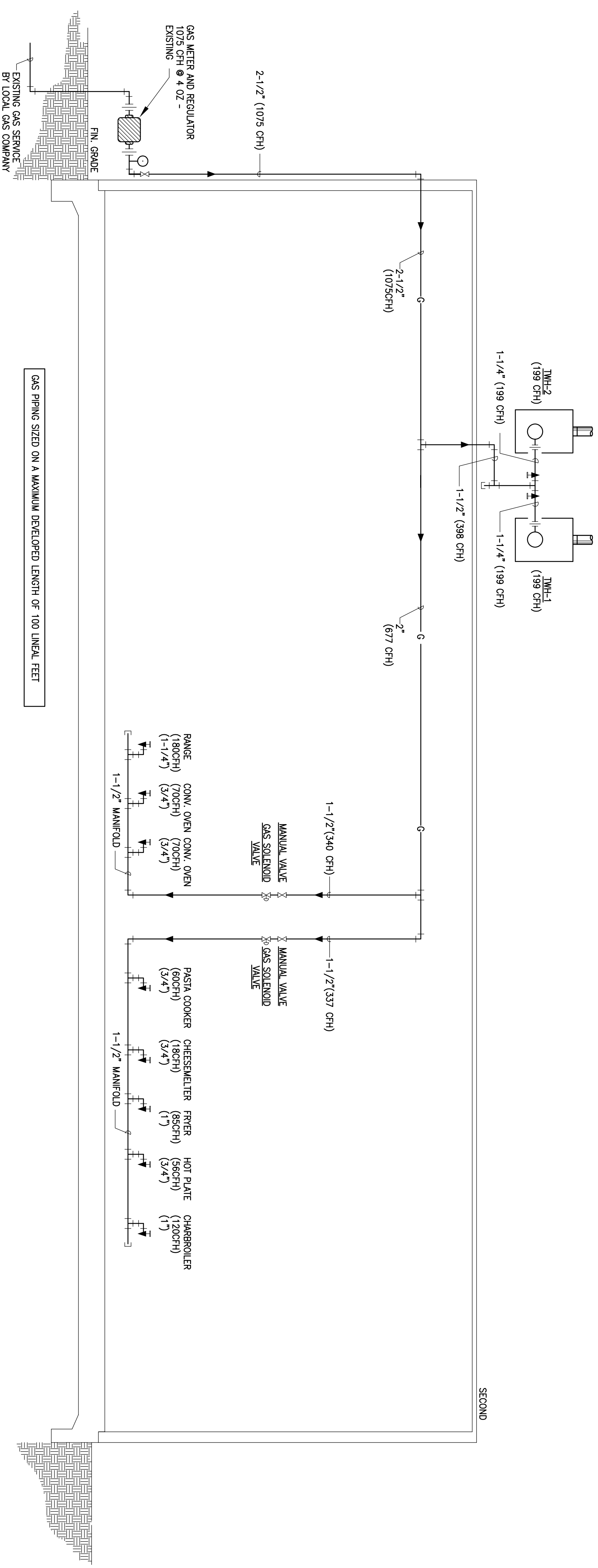


PLUMBING LEGEND

SYMBOL	DESCRIPTION
— SAN —	SANITARY OR WASTE PIPING ABOVE GRADE (SAN)
— SAN —	SANITARY OR WASTE PIPING BELOW GRADE (SAN)
— GW —	GREASE WASTE PIPING (GW)
— GW —	GREASE WASTE PIPING BELOW GRADE (GW)
— V —	VENT PIPING ABOVE OR BELOW GRADE (V)
— CW —	COLD WATER PIPING (CW)
— HW —	HOT WATER PIPING (HW)
— HW —	HOT WATER RETURN PIPING (HWR)
— TW —	TEMPERED WATER (TW)
— TP —	TRAP PRIMER LINE (TP)
— GS —	NATURAL GAS PIPING (G)
— GV —	GAS VENT PIPING (GV)
→	FLOW DIRECTIONAL ARROW
↔	SHUT-OFF VALVE
↔	BALANCING VALVE (BV)
↔	SOLENOID VALVE (SV)
↔	BALL VALVE (BV)
↔	BUTTERFLY VALVE
↔	GAS FLUID VALVE (GFV)
↔	HORIZONTAL SWING CHECK VALVE
↔	UNION
↔	Y-STRAINER
↔	REDUCER OR INCREASER
↔	ECCENTRIC REDUCER
↔	REDUCED PRESSURE BACKFLOW PREVENTER (RP2)
↔	PIPING DOWN
↔	RISE OR DROP PIPING
↔	PIPING UP OR PIPING UP & DOWN
↔	CAP ON END OF PIPE
↔	CLEANOUT (WALL OR CEILING) (CO)
↔	FLOOR CLEANOUT (FCO)
↔	EXTENSION CLEANOUT WITH TWO-WAY CLEANOUT PROVIDE 18 X 24 X 4" CONCRETE PAD OUTSIDE
↔	PRESSURE REDUCING VALVE (PRV)
↔	BRANCH CONNECTION OUT OF TOP
↔	BRANCH CONNECTION OUT OF BOTTOM
↔	BRANCH CONNECTION OUT OF SIDE
↔	WYE & 1/8TH BEND BRANCH CONNECTION
↔	WYE BRANCH CONNECTION
↔	HOSE BIBB
↔	PRESSURE GAUGE WITH COCK
↔	THERMOMETER
↔	GAS PRESSURE REGULATOR
↔	TEST COCK
↔	GAS METER
↔	WALL HIRAPANT VALVE IN RISE
↔	ASME TEMPERATURE & PRESSURE RELIEF VALVE
↔	VACUUM RELIEF VALVE
↔	ANGLE VALVE
↔	REFER TO KEYED NOTE
↔	FLOOR SINK (FS)
↔	FLOOR DRAIN (FD)
↔	FLOOR DRAIN WITH P-TRAP (FR)
↔	FLOOR DRAIN WITH P-TRAP AT 45° ANGLE (FR)
↔	HUB DRAIN (HD)
↔	ACCESS PANEL FOR TRAP PRIMER
↔	ACCESS PANEL LOCATION SYMBOL
↔	SHOCK ABSORBER WITH ACCESS PANEL
↔	AIR CHAMBER EXISTING
↔	NEW
↔	CONNECT NEW TO EXISTING
↔	INVERT ELEVATION
↔	QUARTER OF AN INCH SLOPE
↔	1/8TH OF AN INCH SLOPE
↔	1/16TH OF AN INCH SLOPE
↔	DELTA CHANGE SYMBOL
↔	RISE FLAG

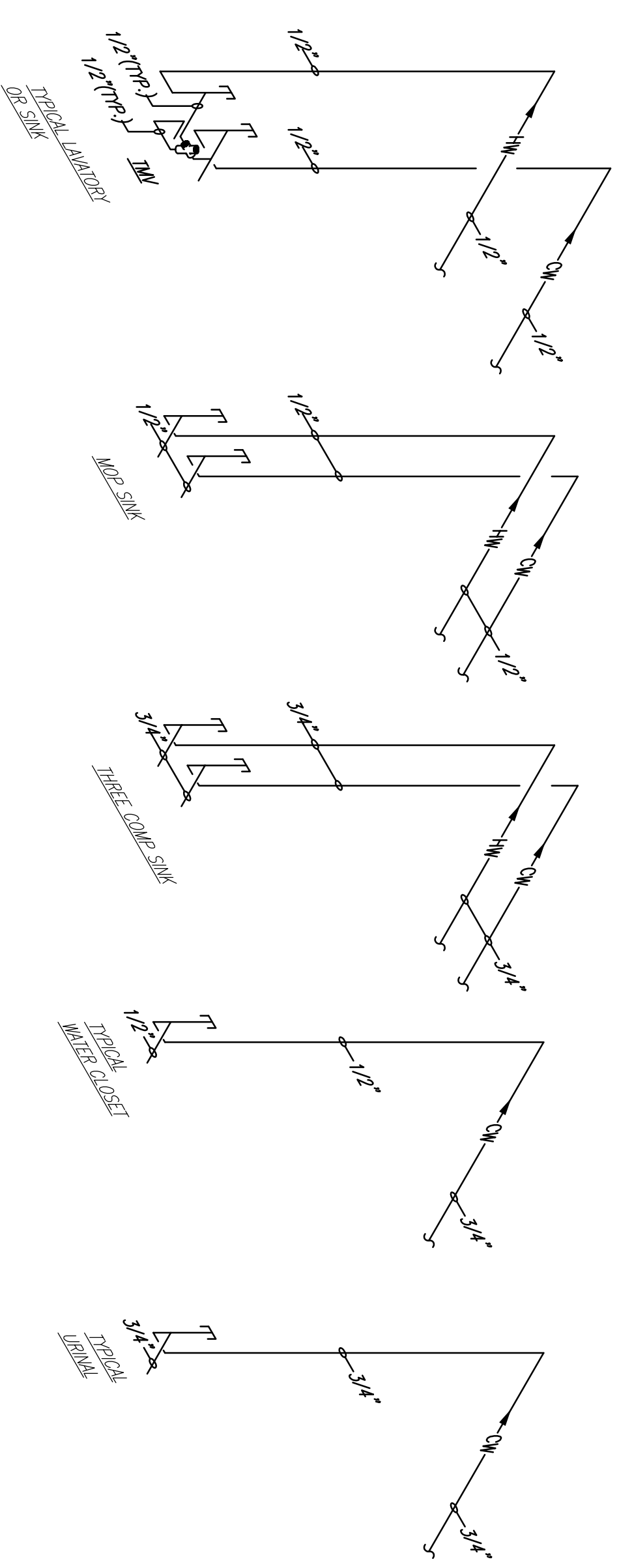
NOTE: NOT ALL SYMBOLS MAY APPLY TO THIS PROJECT.



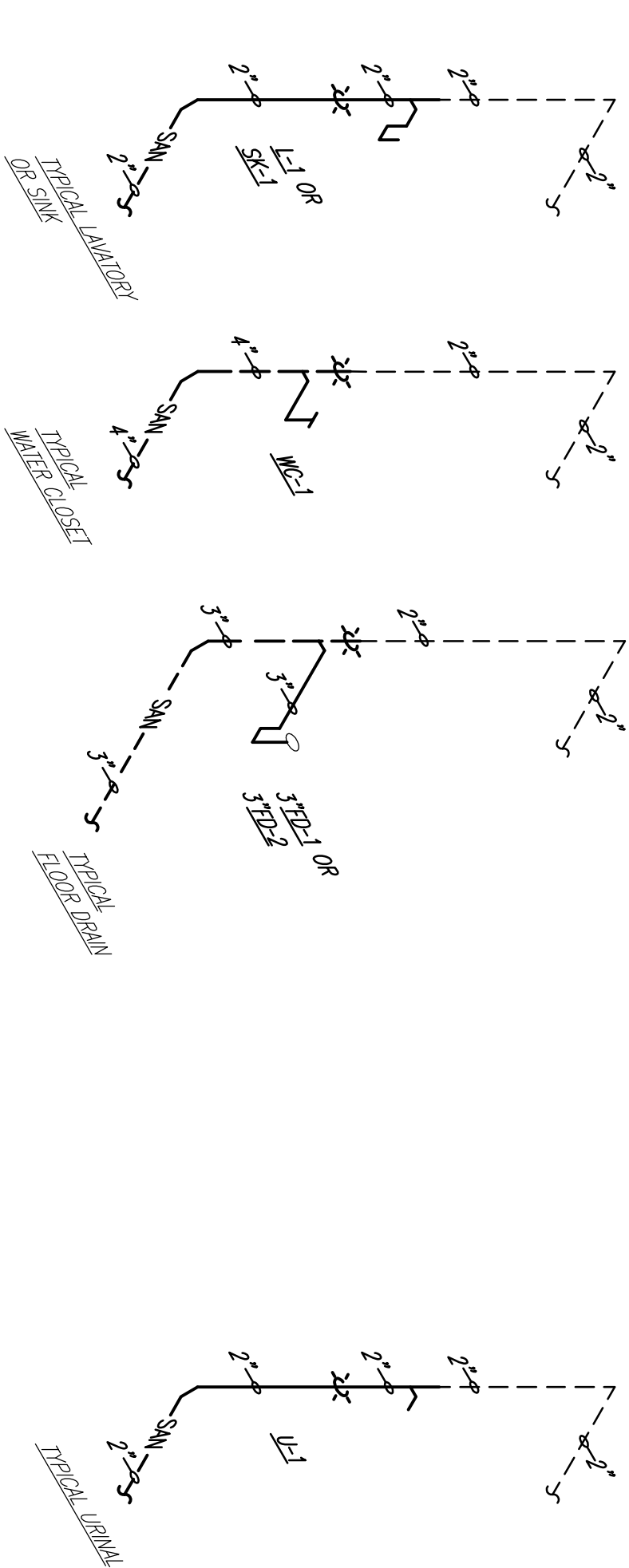
1 NATURAL GAS RISER
SCALE: NONE

PLUMBING GENERAL NOTES

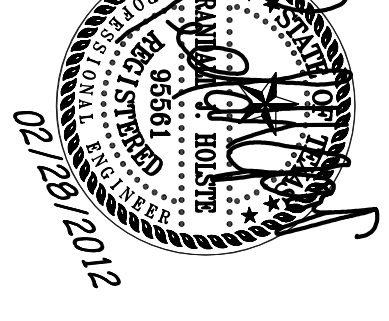
1. SAWCUT AND REMOVE EXISTING FLOOR SLAB/PAVING AS REQUIRED TO PROVIDE NEW FITURES, GREASE TRAP, SAMPLE WELL, CLEANOUTS, AND UNDERSLAB WASTE AND VENT PIPING. PATCH AND FINISH FLOOR/PAVING TO MATCH EXISTING CONDITIONS TO BE DONE IN ACCORDANCE WITH THE APPLICABLE REQUIREMENTS.
2. FIELD VERIFY EXACT LOCATION, SIZE, DEPTH, DIRECTION OF FLOW, CAPACITY, PIPE MATERIAL, AND CONDITION OF EXISTING SANITARY WASTE PIPING PRIOR TO BEGINNING CONSTRUCTION TO ENSURE THAT PROPER CONNECTIONS TO AND EXTENSION OF SUCH UTILITIES CAN BE MADE.
3. CONTRACTOR SHALL COORDINATE ROUTING OF PIPING BELOW SLAB WITH COLUMN FOOTINGS, GRADE BEAMS, UNDERGROUND PLUMBING AND ELECTRICAL UTILITIES, AND OTHER SUB-SURFACE BUILDING ELEMENTS.
4. BEFORE MAKING ANY CONNECTIONS AND AGAIN UPON COMPLETION OF WORK, THOROUGHLY ROD OUT AND FLUSH SANITARY PIPING TO ENSURE THEY ARE FREE FROM BLOCKAGES.
5. AT CONNECTION TO EXISTING COLD WATER MAIN, PROVIDE WATER LETTER IF REQUIRED PER LANDLORD'S REQUIREMENTS AND/OR TENANT'S LEASE AGREEMENT.
6. PRIOR TO BEGINNING CONSTRUCTION, COORDINATE PLUMBING BACKFLOW PREVENTION REQUIREMENTS WITH THE LOCAL CODE AUTHORITY AND PROVIDE AS DIRECTED.
7. CONTRACTOR SHALL COORDINATE ROUTING OF PIPING IN CEILING SPACES WITH MECHANICAL AND ELECTRICAL EQUIPMENT, DUCTWORK AND CONDUIT WORK. CONSULT WITH ARCHITECT FOR THE PROJECT COORDINATOR PRIOR TO INSTALLING AN ALTERNATE PIPING PLAN PRIOR TO INSTALLING AN ALTERNATE PIPING PLAN.
8. MAINTAIN MINIMUM 10'-0" DISTANCE BETWEEN VENT TERMINALS THROUGH ROOF AND ALL FRESH AIR INTAKES.
9. COORDINATE ALL FITURE AND EQUIPMENT LOCATIONS AND CONNECTION REQUIREMENTS WITH LATEST ARCHITECTURAL DRAWINGS AND SPECIFICATIONS PRIOR TO ANY ROUGH-INS.
10. DO NOT BORROW FROM THESE DRAWINGS. REFER TO LATEST ARCHITECTURAL DRAWINGS FOR DIMENSIONED LOCATIONS.
11. CONTRACTOR TO COORDINATE ALL REMODEL WORK WITH THE INTERUPTION OF SERVICE.
12. CONTRACTOR TO FIELD VERIFY AS NECESSARY THE EXACT ROUTING AND SIZES OF ALL PIPING.
13. ALL WORK, METHODS AND INSTALLATIONS INVOLVED IN THE PLUMBING DESIGN SHALL BE IN ACCORDANCE WITH THE CITY BUILDING CODE AND INSPECTION REGULATIONS AND ALL OTHER OFFICIALS HAVING JURISDICTION.
14. PRIOR TO CONSTRUCTION, THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND REGULATIONS FOR THE CONTRACTOR SHALL PERFORM ALL WORK IN ACCORDANCE WITH SUCH RULES AND REGULATIONS.



2 TYPICAL DOMESTIC WATER RISERS
SCALE: NONE



3 TYPICAL WASTE AND VENT RISERS
SCALE: NONE



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PROJECT NUMBER
11052
SHEET NAME
PLUMBING
GAS RISER
SHEET NUMBER

P3.1