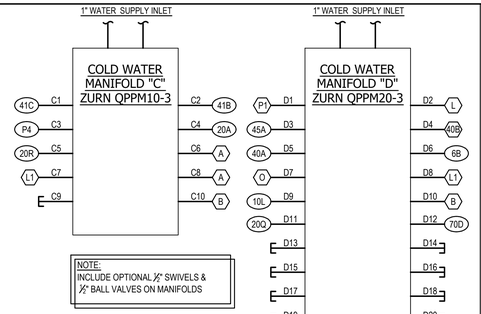
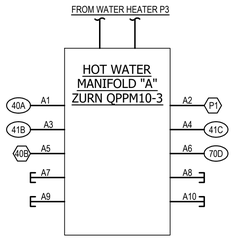
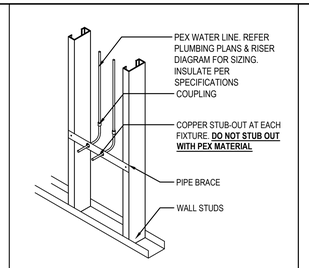


NOTE:
INCLUDE OPTIONAL ½" SWIVELS & ½" BALL VALVES ON MANIFOLDS

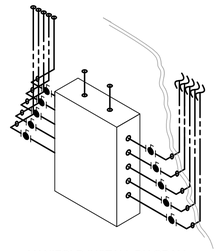


NOTE:
DO NOT RUN ANY PIPING HORIZONTAL IN WALL SPACE UNLESS NOTED OTHERWISE.



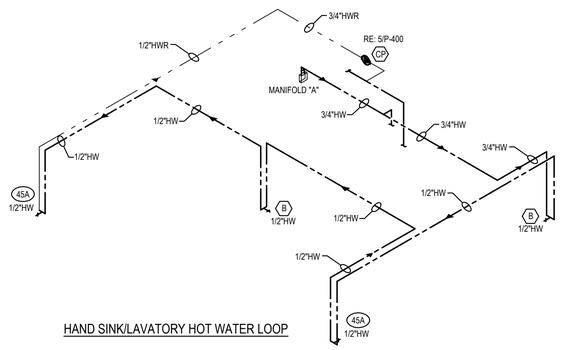
PEX STUB OUT DIAGRAM

NOTE:
PROPERLY STRAP LINES AND PROVIDE PROTECTIVE GROMMETS WHEN RUNNING THROUGH METAL STUDS



MANIFOLD INSTALL DIAGRAM

NOTE:
IN ROOM WHERE PEX MANIFOLD IS LOCATED, PEX LINES AND MANIFOLD SHALL BE SURFACE MOUNTED TO WALL BELOW LAY-IN CEILING. TURN LINES BACK INTO THE WALL AFTER SHUTOFF VALVES.

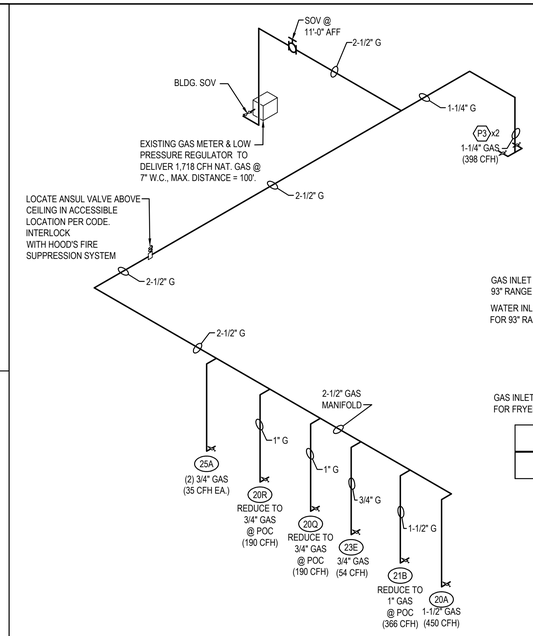


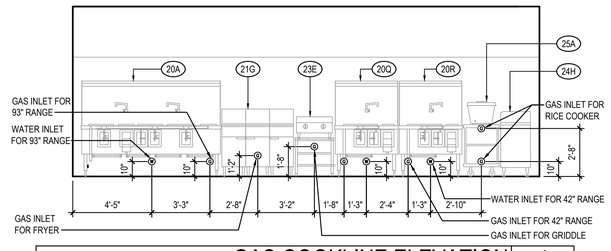
HAND SINK/LAVATORY HOT WATER LOOP

NOTE:
DO NOT RUN ANY PIPING HORIZONTAL IN WALL SPACE UNLESS NOTED OTHERWISE.

WATER RISER DIAGRAM | 11

NO SCALE | P-400





GAS COOKLINE ELEVATION | 4

NO SCALE | P-400

NOTE:
DO NOT RUN ANY PIPING HORIZONTAL IN WALL SPACE

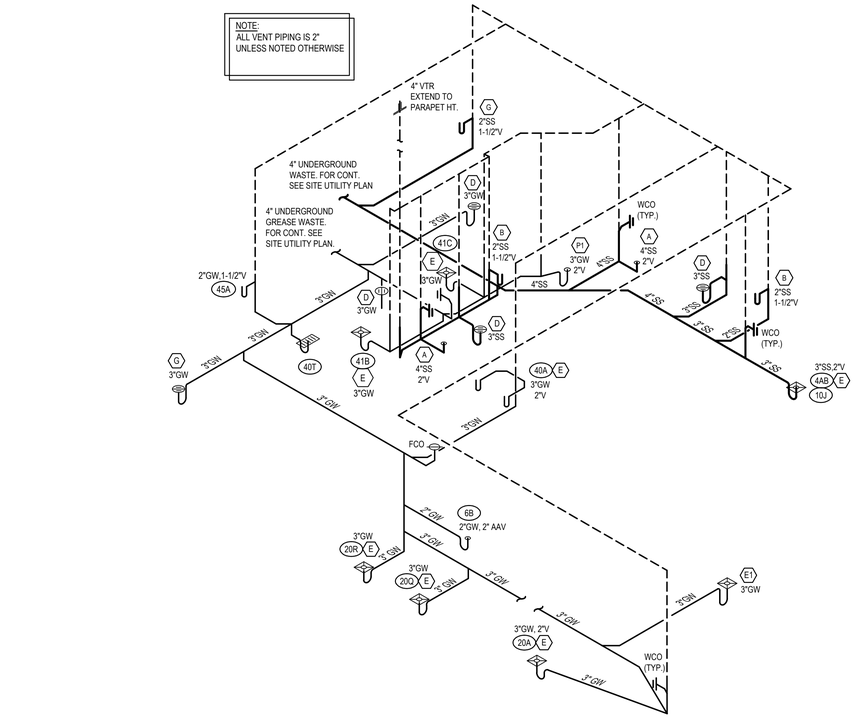
LOW PRESSURE NATURAL GAS CALCULATION:
SIZED PER 2020 FBC:FG TABLE 402.4(2)
TOTAL DEVELOPED LENGTH: 100'
TOTAL LOAD: 1,781 CFH

GAS EQUIPMENT SCHEDULE

ITEM	QTY	EQUIPMENT	MBH EACH	CFH EACH	CFH TOTAL
P3	2	WATER HEATER	199	199	398
20A	1	CHINESE RANGE	450	450	450
20Q 20R	2	CHINESE RANGE	190	190	380
21B	3	DEEP FRYER	122	122	366
23E	1	GRIDDLE	54	54	54
25A	2	RICE COOKER	35	35	70
TOTAL					1,718

GAS RISER DIAGRAM | 3

NO SCALE | P-400

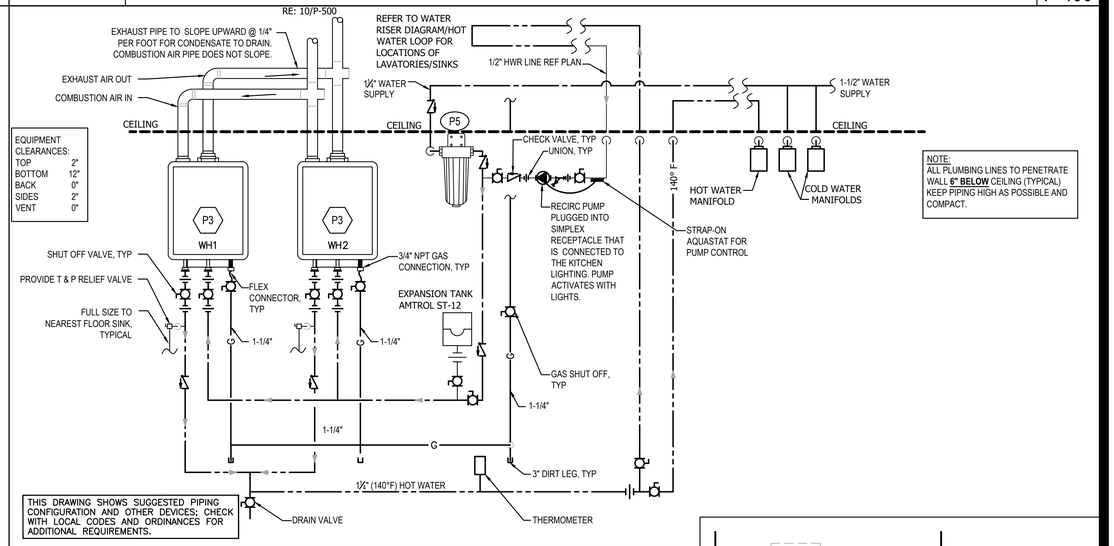


NOTE:
ALL VENT PIPING IS 2" UNLESS NOTED OTHERWISE

NOTE:
DO NOT RUN ANY PIPING HORIZONTAL IN WALL SPACE UNLESS NOTED OTHERWISE

WASTE AND VENT RISER DIAGRAM | 9

NO SCALE | P-400



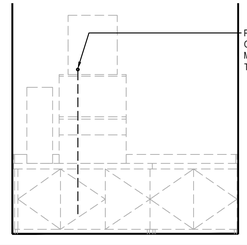
NOTE:
ALL PLUMBING LINES TO PENETRATE WALL 6" **BELOW** CEILING (TYPICAL) KEEP PIPING HIGH AS POSSIBLE AND COMPACT.

THIS DRAWING SHOWS SUGGESTED PIPING CONFIGURATION AND OTHER DEVICES; CHECK WITH LOCAL CODES AND ORDINANCES FOR ADDITIONAL REQUIREMENTS.

NOTES:
1. ALL VENT PIPING SERVING WATER HEATERS SHALL TRANSITION TO 3" IMMEDIATELY AFTER CONNECTION. MANIFOLD BOTH VENTS TOGETHER AND ROUTE PIPING UP THROUGH THE CEILING TO THE ROOF. AVOID UNNECESSARY BENDS.
2. AVOID RUNNING WATER PIPING DIRECTLY ABOVE WATER HEATER TO AVOID DAMAGE TO WATER HEATER CAUSED BY POSSIBLE LEAKS.
3. DO NOT INSTALL VALVES, EQUIPMENT OR PIPING MAINS DIRECTLY OVER THE WATER HEATERS P3
4. ALL WATER PIPES IN EXPOSED AREAS OUTSIDE WALLS AND BELOW CEILING MUST BE COPPER UNLESS NOTED OTHERWISE.
5. DIAGRAM ONLY. ADJUST LAYOUT TO SPECIFIC FLOOR PLAN AND FOLLOW CONNECTIONS PER THIS DIAGRAM
6. INSTALL ALL DEVICES IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTION.
7. PREFERRED PIPING DIAGRAM. THE TEMPERATURE AND PRESSURE RELIEF VALVE SETTING SHALL NOT EXCEED PRESSURE RATING OF ANY COMPONENT IN THE SYSTEM.
8. SERVICE VALVES ARE SHOWN FOR SERVICING UNIT. HOWEVER, LOCAL CODES SHALL GOVERN THEIR USAGE.
9. REF. TO DETAIL 13/P–500 FOR ALL LINES TO BE INSULATED.
10. REF. TO PLUMBING FIXTURE SCHEDULE ON SHEET P–101.
11. INSTALL EXPANSION TANK AS CLOSE TO THE CEILING AS POSSIBLE.
12. ALL PIPING BELOW IS TO BE HELD AS TIGHT TO THE BOTTOM OF THE TANKS AS POSSIBLE.

HOT WATER SYSTEM DIAGRAM | 5

NO SCALE | P-400



DRINK STATION PLUMBING | 1

NO SCALE | P-400

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WATER, GAS, WASTE & VENT RISER DIAGRAMS

PANDA HOME 2600 R4/DAB