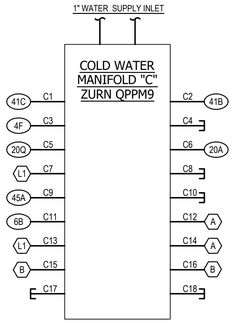
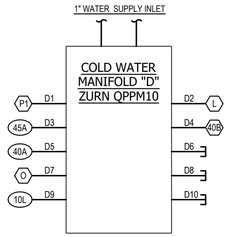
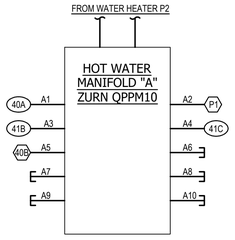
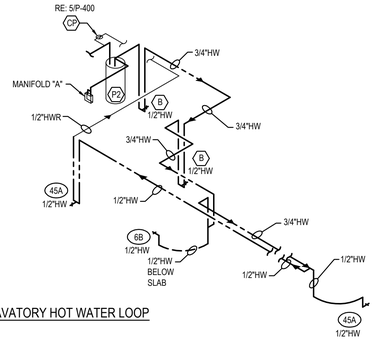


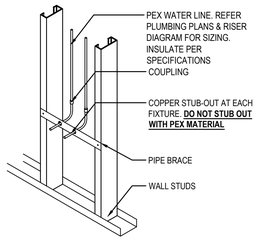




NOTE:
DO NOT RUN ANY PIPING HORIZONTAL IN WALL SPACE UNLESS NOTED OTHERWISE.

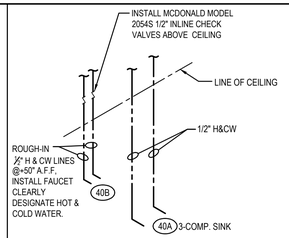


HAND SINK/LAVATORY HOT WATER LOOP



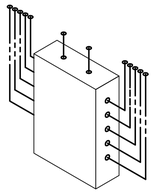
PEX STUB OUT DIAGRAM

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



CHEMICAL FEED SYSTEM PIPING DIAGRAM

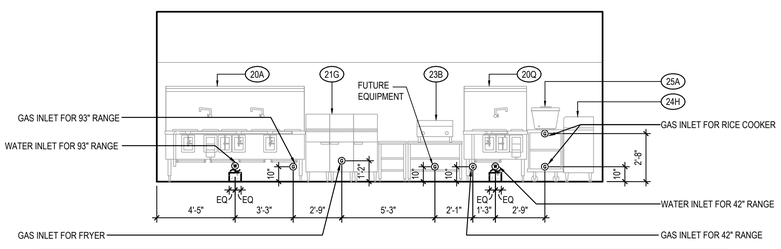
NOTE:
G.C. SHALL VERIFY WITH LOCAL JURISDICTION ON REQUIRED METHOD OF CHEMICAL SYSTEM INSTALLATION AS SHOWN ABOVE. IF THE ABOVE DETAIL IS NOT ALLOWED BY LOCAL JURISDICTION, THEN THE SYSTEM SHALL BE INSTALLED IN-LINE/INTERGRATED INTO 3 COMPARTMENT SINK.



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.

WATER RISER DIAGRAM | 11
NO SCALE | P-400



GAS COOKLINE ELEVATION | 4
NO SCALE | P-400

GAS EQUIPMENT SCHEDULE

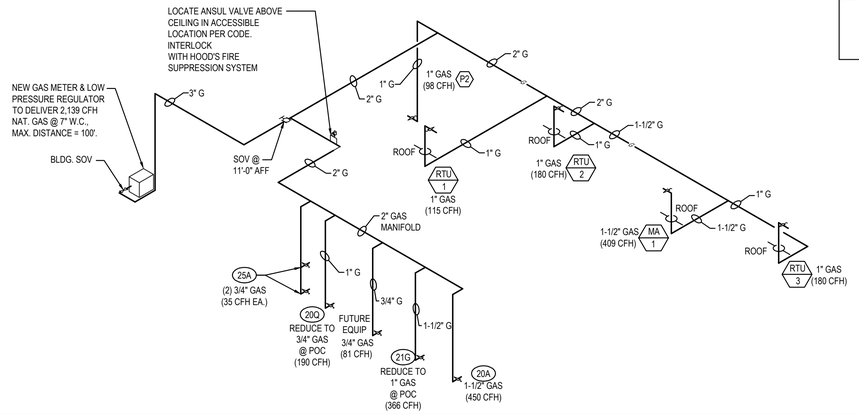
ITEM	QTY	EQUIPMENT	MBH EACH	CFH EACH	CFH TOTAL
P2	1	WATER HEATER	98	98	98
20A	1	CHINESE RANGE	450	450	450
20Q	1	CHINESE RANGE	190	190	190
21G	3	DEEP FRYER	122	122	366
FUTURE EQUIP	1	-	81	81	81
25A	2	RICE COOKER	35	35	70
RTU-1	1	AIR CONDITIONER	115	115	115
RTU-2,3	2	AIR CONDITIONER	180	180	360
MAU-1	1	MAKE-UP AIR	409	409	409
TOTAL					2,139

LOW PRESSURE NATURAL GAS CALCULATION:
SIZED PER 2015 IFGC TABLE 402.4(2)

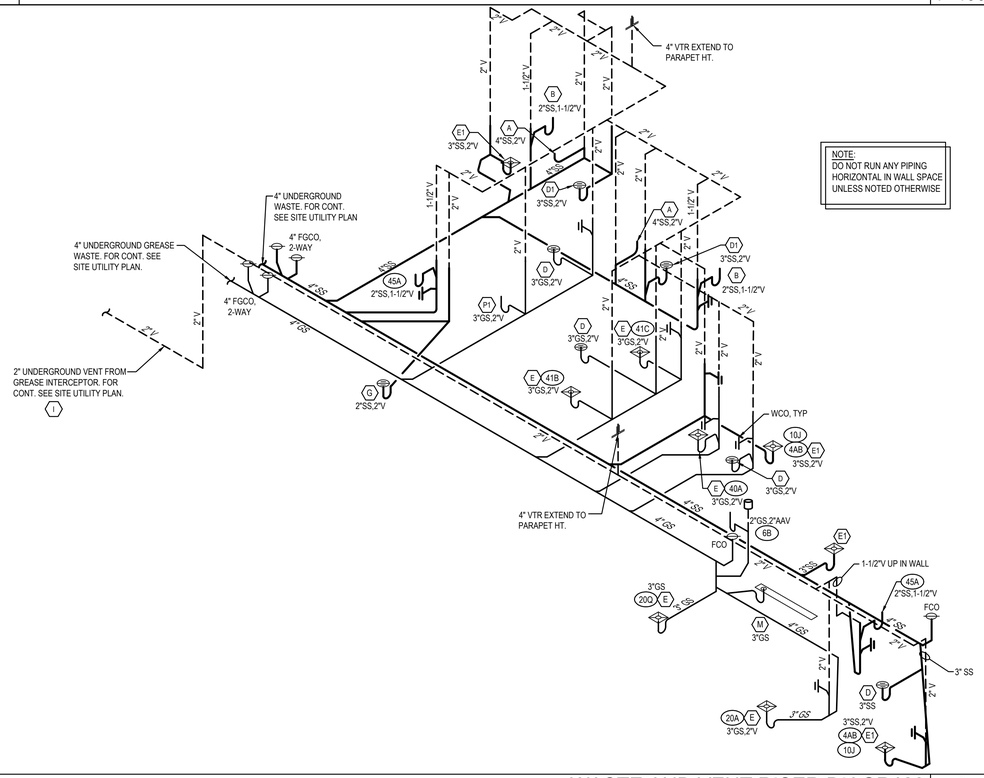
TOTAL DEVELOPED LENGTH: 100'

TOTAL LOAD: 2,139 CFH

NOTE:
DO NOT RUN ANY PIPING HORIZONTAL IN WALL SPACE

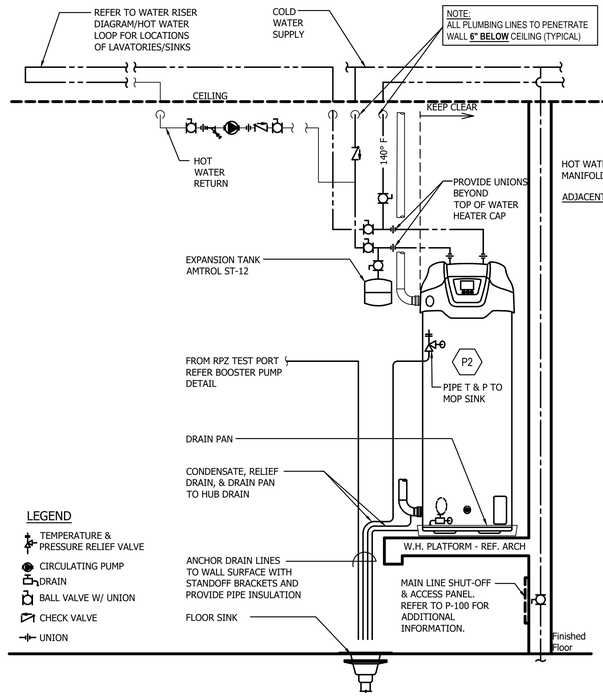


GAS RISER DIAGRAM | 3
NO SCALE | P-400



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)

EQUIPMENT: REFER TO PLUMBING EQUIPMENT SCHEDULE ON SHEET P-101

P2 GAS WATER HEATER

NOTES:
1. PREFERRED PIPING DIAGRAM. THE TEMPERATURE AND PRESSURE RELIEF VALVE SETTING
2. SHALL NOT EXCEED PRESSURE RATING OF ANY COMPONENT IN THE SYSTEM.
3. SERVICE VALVES ARE SHOWN FOR SERVICING UNIT. HOWEVER, LOCAL CODES SHALL GOVERN THEIR USAGE.
4. REF. TO DETAIL 13/P-500 FOR ALL LINES TO BE INSULATED.

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

ADJACENT WALL- REFER TO P-100 FOR LOCATION

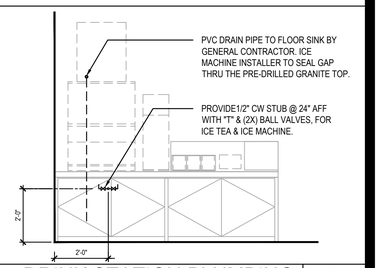
NOTE:
DIAGRAM ONLY. ADJUST LAYOUT TO SPECIFIC FLOOR PLAN AND FOLLOW CONNECTIONS PER THIS DIAGRAM

NOTE:
DO NOT INSTALL VALVES, EQUIPMENT OR PIPING MAINS DIRECTLY OVER THE WATER HEATER P2; INSTALL NEXT TO WATER HEATER TO ALLOW ROOM TO REMOVE WATER HEATER CAP. INSTALL AN EXTRA SET OF UNIONS FOR PIPING REMOVAL.

NOTE:
ALL WATER PIPES IN EXPOSED AREAS OUTSIDE WALLS AND BELOW CEILING MUST BE COPPER UNLESS NOTED OTHERWISE.

NOTE:
ALL VENT PIPING SERVING WATER HEATER SHALL TRANSITION TO 3" IMMEDIATELY AFTER CONNECTION ROUTE PIPING STRAIGHT UP THROUGH THE CEILING TO THE ROOF. AVOID UNNECESSARY BENDS. AVOID RUNNING WATER PIPING DIRECTLY ABOVE WATER HEATER TO AVOID DAMAGE TO WATER HEATER CAUSED BY POSSIBLE LEAKS.

HOT WATER SYSTEM DIAGRAM | 5
NO SCALE | P-400



DRINK STATION PLUMBING | 1
NO SCALE | P-400

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ISSUE DATE:

BID SET
07-24-20

DRAWN BY: -

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PANDA STORE #: -
ARCH PROJECT #: 261-276

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ENGINEER
STATE OF TENNESSEE
6-15-2020

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P-400

WATER, GAS, WASTE & VENT RISER DIAGRAMS