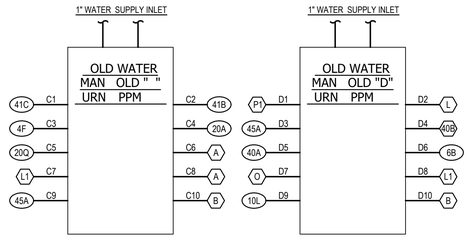
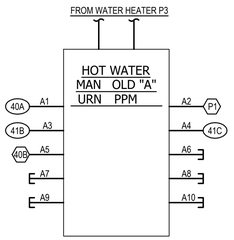
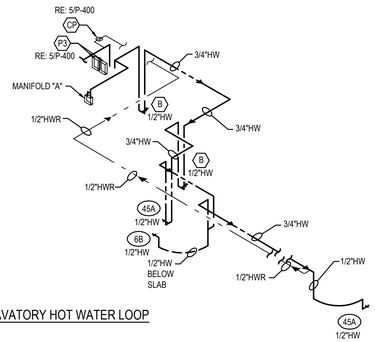
NOTE:
INCLUDE OPTIONAL ½" SWIVELS &
½" BALL VALVES ON MANIFOLDS

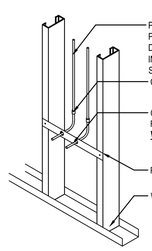




NOTE:
DO NOT RUN ANY PIPING
HORIZONTAL IN WALL SPACE
UNLESS NOTED OTHERWISE.

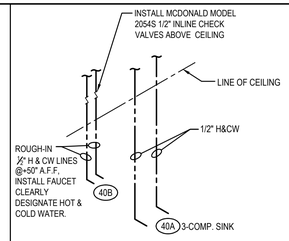


HAND SINK/LAVATORY HOT WATER LOOP



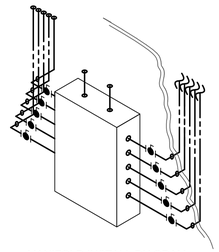
PEX STUB OUT DIAGRAM

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



CHEMICAL FEED SYSTEM PIPING DIAGRAM

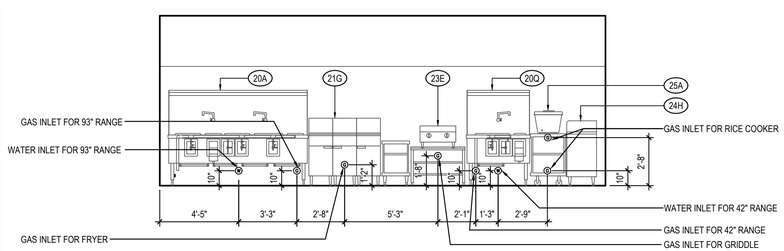
NOTE:
G.C. SHALL VERIFY WITH LOCAL JURISDICTION ON REQUIRED METHOD OF CHEMICAL SYSTEM INSTALLATION AS SHOWN ABOVE. IF THE ABOVE DETAIL IS NOT ALLOWED BY LOCAL JURISDICTION, THEN THE SYSTEM SHALL BE INSTALLED IN-LINE/INTERGRATED INTO 3 COMPARTMENT SINK.



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. TURN LINES BACK INTO THE WALL AFTER SHUTOFF VALVES.

WATER RISER DIAGRAM | 11
NO SCALE | P-400



GAS COOKLINE ELEVATION | 4
NO SCALE | P-400

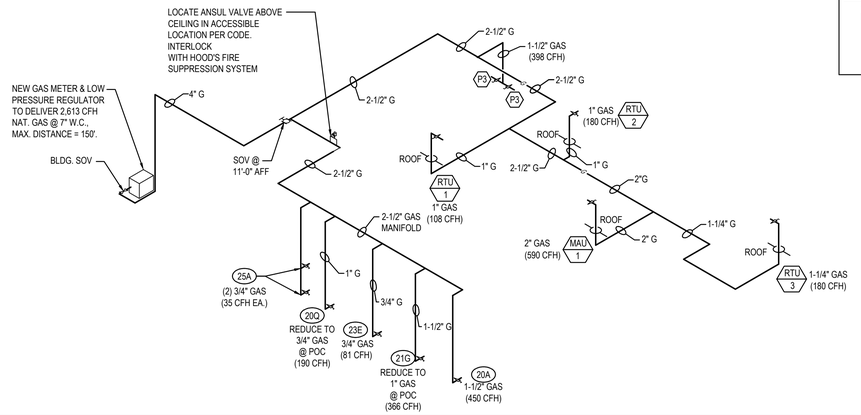
GAS EQUIPMENT SCHEDULE

ITEM	QTY	EQUIPMENT	MBH EACH	CFH EACH	CFH TOTAL
P3	2	WATER HEATER	199	199	398
20A	1	CHINESE RANGE	450	450	450
20Q	1	CHINESE RANGE	190	190	190
21B	3	DEEP FRYER	122	122	366
23E	1	GRIDDLE	81	81	81
25A	2	RICE COOKER	35	35	70
RTU-1	1	AIR CONDITIONER	108	108	108
RTU-2,3	2	AIR CONDITIONER	180	180	360
MAU-1	1	MAKE-UP AIR	590	590	590
TOTAL					2,613

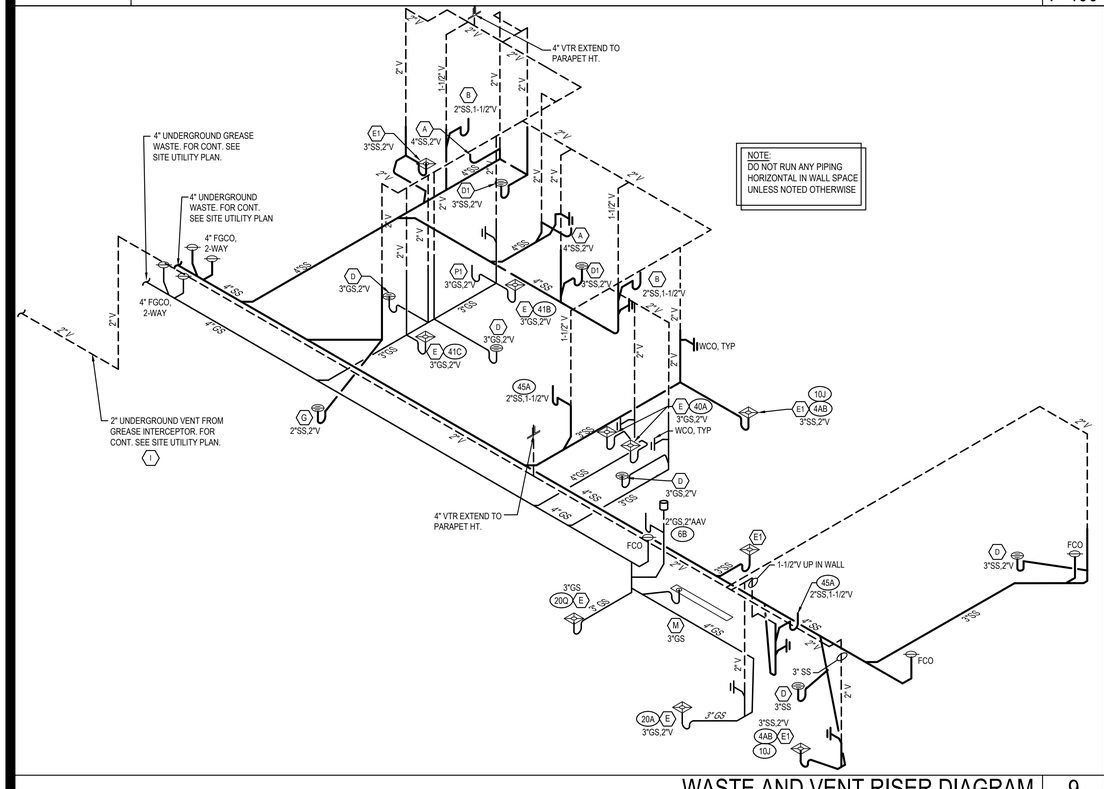
LOW PRESSURE NATURAL GAS CALCULATION:
SIZED PER 2015 IFGC TABLE 402.4(2)
PIPING LENGTH = 105' x 1.25=131' TDL
TOTAL DEVELOPED LENGTH: = 131'
SYSTEM SIZED FROM 150' LENGTH

TOTAL LOAD: 2,613 CFH

NOTE:
DO NOT RUN ANY PIPING
HORIZONTAL IN WALL SPACE

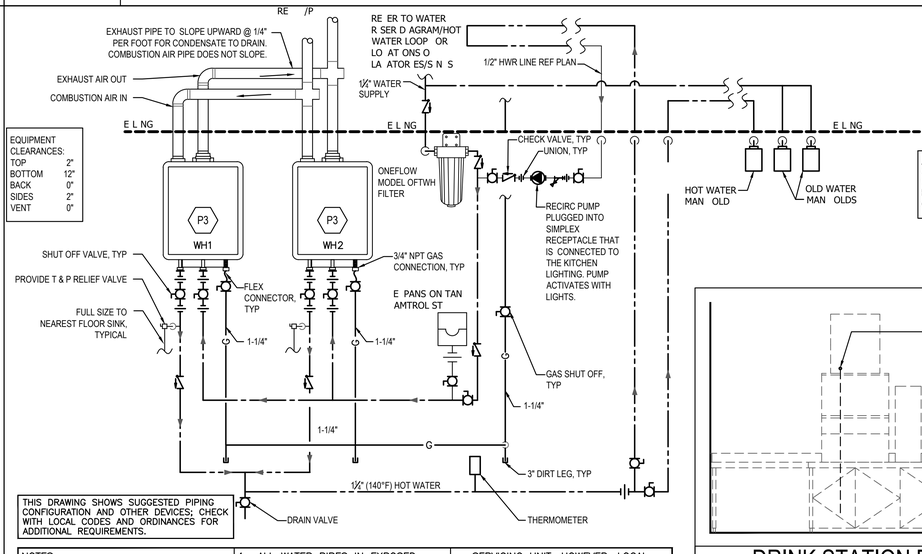


GAS RISER DIAGRAM | 3
NO SCALE | P-400



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

WASTE AND VENT RISER DIAGRAM | 9
NO SCALE | P-400

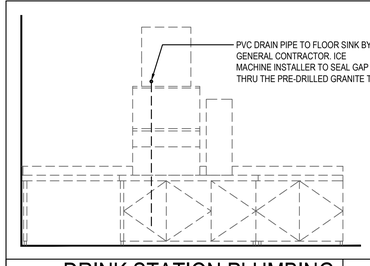


NOTE:
ALL PLUMBING LINES TO PENETRATE WALL 6" BELOW CEILING (TYPICAL) KEEP PIPING HIGH AS POSSIBLE AND COMPACT.

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

rtm engineering consultants
9225 Indian Creek Pkwy, Suite 1075
Overland Park, KS 66210
Ohio COA: 05046
913.303.0063 | www.rtmec.com

PANDA EXPRESS, INC.
1683 Walnut Grove Ave.
Rosemead, California
91770
Telephone: 626.799.9898
Facsimile: 626.372.8288

All ideas, designs, arrangement and plans indicated or represented by this drawing are the property of Panda Express Inc. and were created for use on this specific project. None of these ideas, designs, arrangements or plans may be used by or disclosed to any person, firm, or corporation without the written permission of Panda Express Inc.

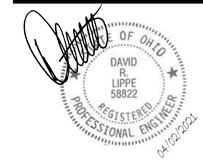
REVISIONS:

ISSUE DATE:

1st	BUILDING PERMIT SET	04-02-21

DRAWN BY: KB

PANDA PROJECT #: S8-22-D8193
PANDA STORE #: -
ARCH PROJECT #: 20044.021



hcklovercarchitect
8813 PENROSE LANE, SUITE 400
LENEXA, KS 66219
ph: 913.649.8181 • fx: 913.649.1275

PANDA EXPRESS
TRUE WARM & WELCOME
1485 MAIN ST.
HAMILTON, OH 45013

P-400

WATER, GAS, WASTE
& VENT RISER DIAGRAMS