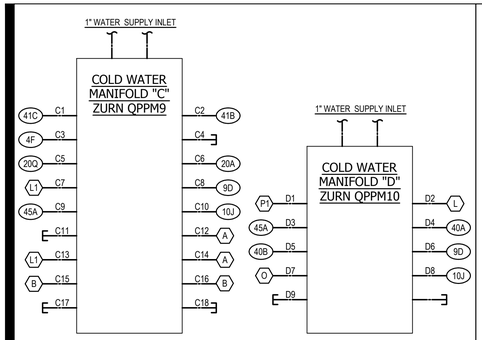
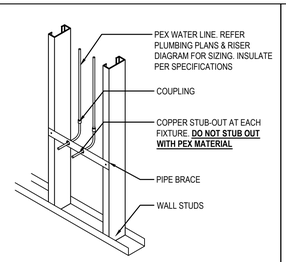


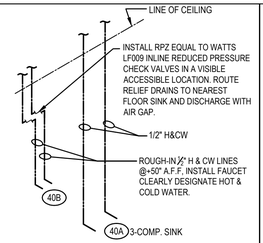
NOTE:
ALTERNATE MANUFACTURER FOR PEX MANIFOLD:
VIEGA MANABLOC

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



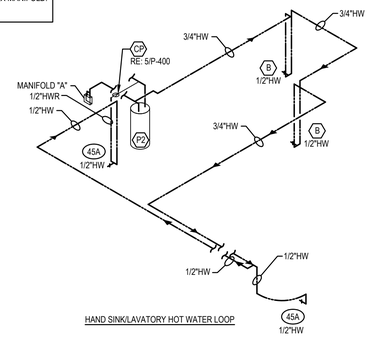
PEX STUB OUT DIAGRAM

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

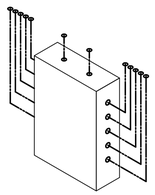


CHEMICAL FEED SYSTEM PIPING DIAGRAM

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.



HAND SINK/LAVATORY HOT WATER LOOP

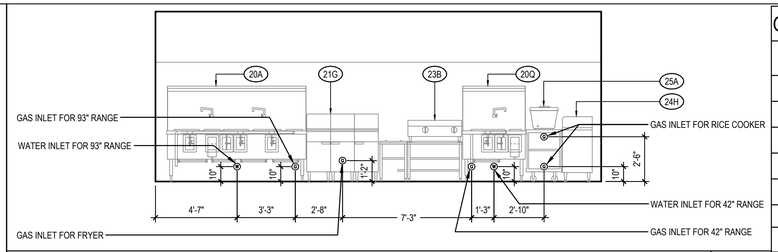


MANIFOLD INSTALL DIAGRAM

NOTE:
IN ROOM WHERE PEX MANIFOLD IS LOCATED, PEX LINES AND MANIFOLD SHALL BE SURFACE MOUNTED TO WALL ABOVE LAY-IN CEILING.

WATER RISER DIAGRAM 11

NO SCALE P-400

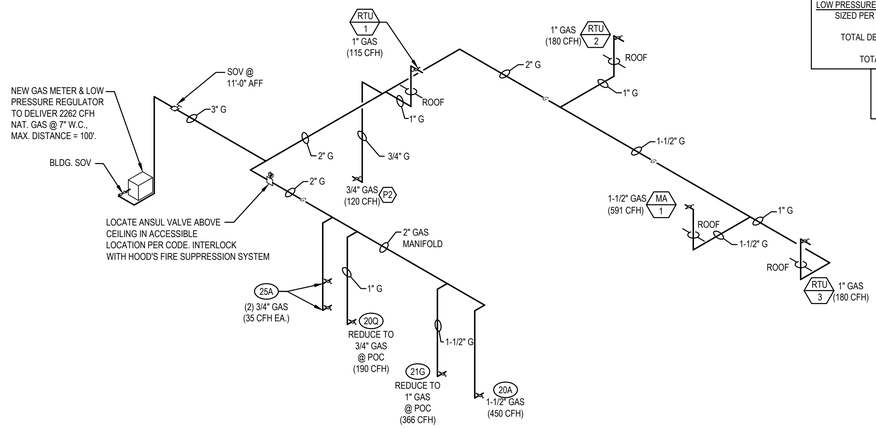


GAS COOKLINE ELEVATION 4

NO SCALE P-400

GAS EQUIPMENT SCHEDULE

ITEM	QTY	EQUIPMENT	MBH EACH	CFH EACH	CFH TOTAL
P2	1	WATER HEATER	120	120	120
20A	1	CHINESE RANGE	450	450	450
20Q	1	CHINESE RANGE	190	190	190
21G	3	DEEP FRYER	122	122	366
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	591	591	591
TOTAL					2262



LOW PRESSURE NATURAL GAS CALCULATION:
SIZED PER 2006 IFGC TABLE 402.4(2)

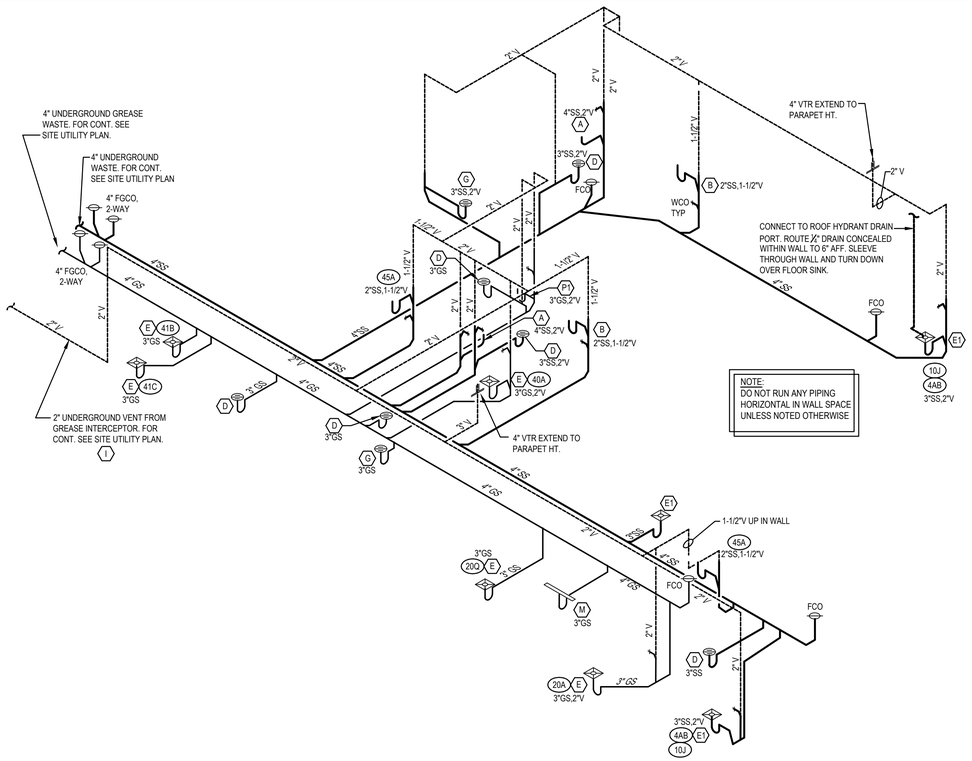
TOTAL DEVELOPED LENGTH: 100'

TOTAL LOAD: 2262 CFH

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

GAS RISER DIAGRAM 3

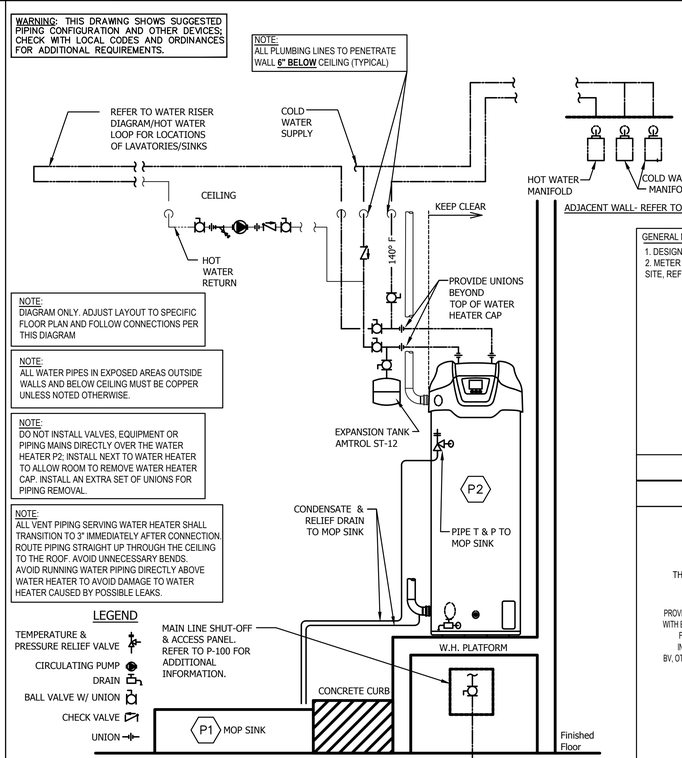
NO SCALE P-400



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

WASTE AND VENT RISER DIAGRAM 9

NO SCALE P-400



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

NOTE:
ALL PLUMBING LINES TO PENETRATE WALL 6" BELOW CEILING (TYPICAL)

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

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

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 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.

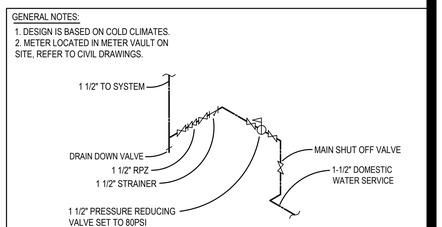
EQUIPMENT: REFER TO PLUMBING EQUIPMENT SCHEDULE ON SHEET P-101

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.

HOT WATER SYSTEM DIAGRAM 5

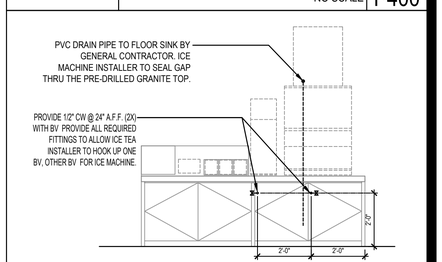
NO SCALE P-400



GENERAL NOTES:
1. DESIGN IS BASED ON COLD CLIMATES.
2. METER LOCATED IN METER VAULT ON SITE, REFER TO CIVIL DRAWINGS.

WATER SERVICE DIAGRAM 2

NO SCALE P400



DRINK STATION PLUMBING 1

NO SCALE P-400

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REVISIONS:

ISSUE DATE:

1ST	PERMIT SET	10-05-18
2ND	BID SET	11-20-18

DRAWN BY: BEN

PANDA PROJECT #: S8-19-D6462

ARCH PROJECT #: 180044.013

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SHEPHERDSVILLE, KY 40165

P-400

WASTE, GAS, WASTE & VENT RISER DIAGRAMS

BID SET 11.20.2018

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