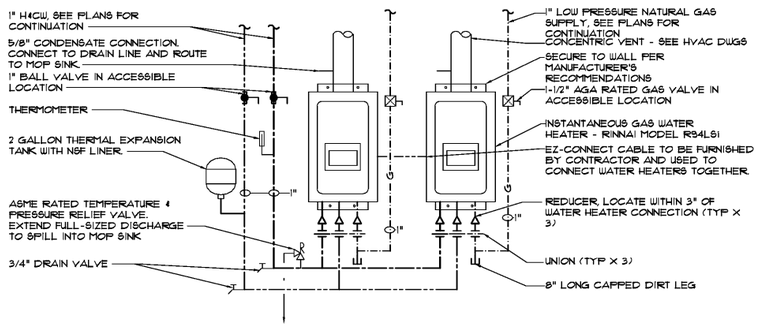
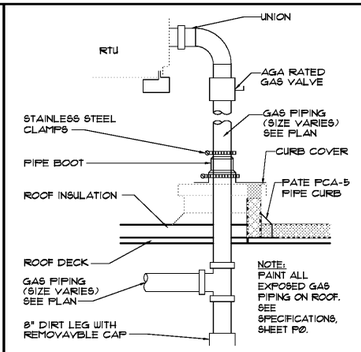
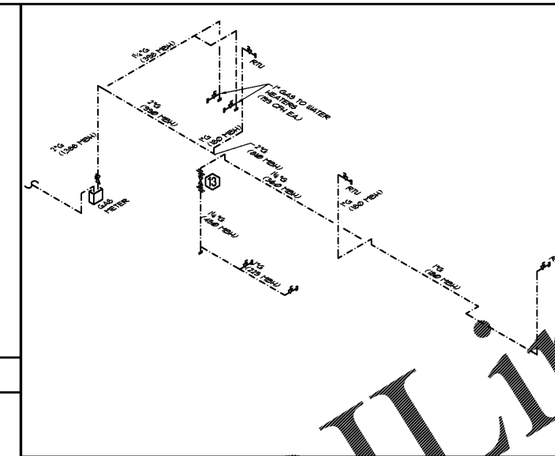


2 DUAL INSTANTANEOUS GAS WATER HEATER DETAIL
SCALE: NONE



3 GAS AT ROOF TOP UNIT
SCALE: NONE

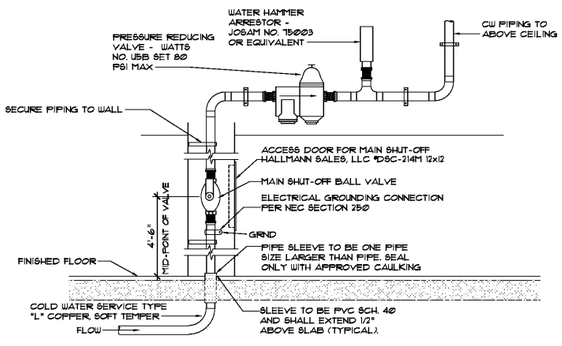


4 GAS RISER
SCALE: NONE

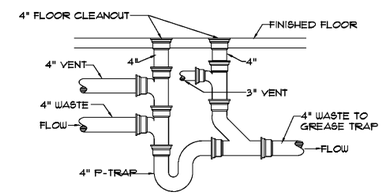
FIXTURE	HW FIXTURE UNITS EACH	HW FIXTURE UNITS EACH	FIXTURE UNIT TOTAL EACH	QUANTITY EACH	FIXTURE UNIT TOTAL - ALL
WATER CLOSET - TANK	5.0	-0-	5.0	3	15
LAVATORY	1.0	-0-	2.0	2	4
URINAL	5.0	-0-	5.0	1	5
HAND SINK	1.0	1.0	1.4	3	4.2
MOP BASIN	2.25	2.25	3.0	1	3
ONE COMP. SINK - A35L	1.0	1.0	1.4	1	1.4
3 COMP. SINK - [illegible]	3.0	3.0	4.0	1	4
TOTAL FIXTURE UNITS					36.6
TOTAL GPM					26.7
REQUIRED WATER LINE SIZE:					1¼"

½"CW PROVIDED.

WATER DEMAND SCHEDULE



5 COLD WATER SERVICE ENTRANCE
SCALE: NONE



6 FRESH AIR TRAP DETAIL (GEORGIA PROJECTS ONLY)
SCALE: NONE

PLUMBING LEGEND

- COLD WATER
- HOT WATER
- FILTERED WATER
- GAS PIPING
- HW RECIRC.

GAS DEMAND SCHEDULE

FIXTURES	CAPACITY MBH EACH	QUANTITY EACH	TOTAL MBH ALL
6 VATS FRYER	225	2	450
GAS WATER HEATER (GWH)	199	2	398
RTU-1	180	1	180
RTU-2	180	1	180
RTU-3.	180	1	180
TOTAL NATURAL GAS MBH REQUIRED			1388

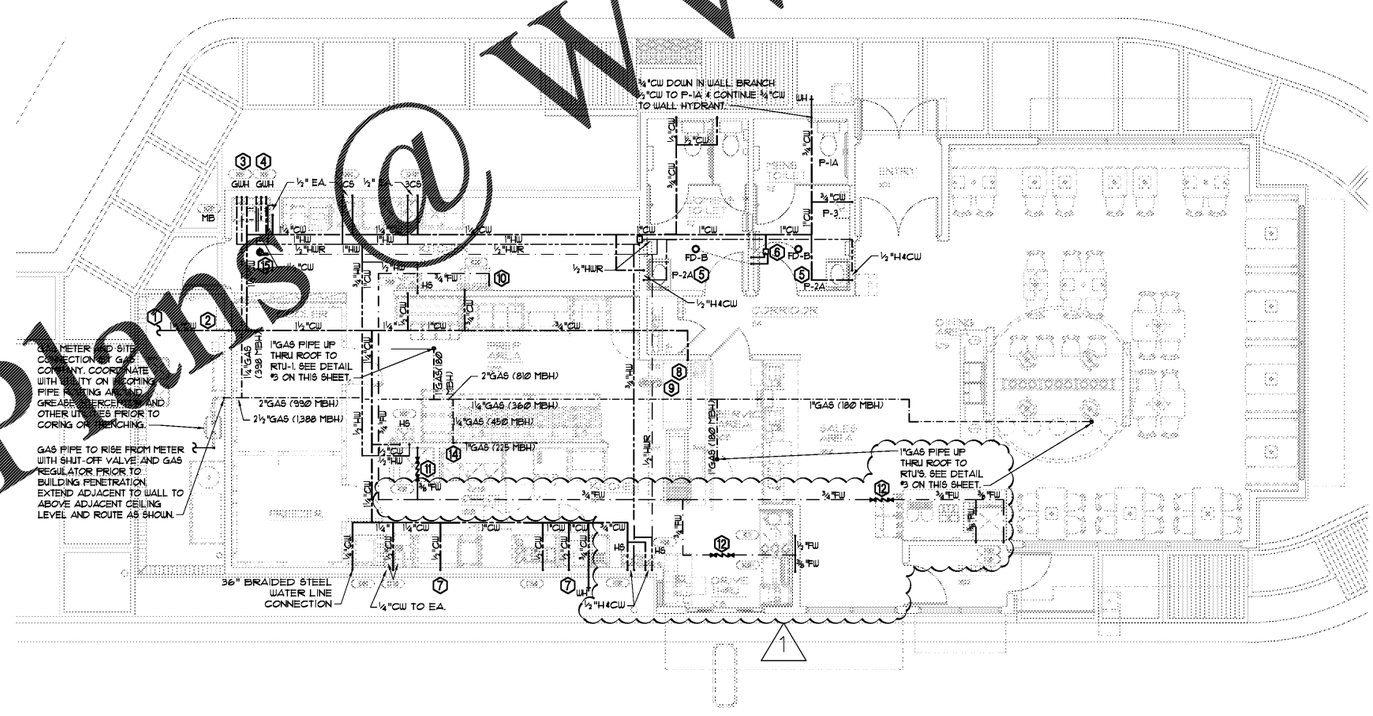
NOTES:
1. INTERIOR GAS PIPING IS SIZED BASED ON A 80 FOOT DEVELOPED LENGTH OF PIPE.
2. EXTERIOR GAS PIPING UP TO AND INCLUDING THE GAS METER TO BE PROVIDED AND SIZED BY THE GAS COMPANY.
3. GAS PIPING IS SIZED BASED ON 2010 INTERNATIONAL FUEL GAS CODE TABLE 402.4(2).
4. MBH RATINGS ARE AS CALCULATED BY THE MANUFACTURER.
5. GAS PIPING IS SIZED FOR A DELIVERY OF 05 PSI WITH A 14" WC.
6. ALL GAS PIPING SHALL BE SCHEDULE 40 BLACK STEEL PIPE, WELDED AND SEAMLESS.
7. ALL BRANCH TAPS FROM GAS PIPING MAINS MUST BE MADE OFF OF THE TOP OF THE PIPE.
8. GAS PIPING AND INSTALLATION WILL BE IN ACCORDANCE WITH INTERNATIONAL BUILDING CODE - FUEL GAS AND ALL APPLICABLE CODES AND REGULATIONS.
9. PROVIDE PRESSURE REGULATING VALVE TO ADJUST GAS LINE PRESSURE IN ORDER TO ACCOMMODATE TOTAL MBH DEMAND.
10. IF PRESSURE REGULATING VALVES ARE REQUIRED AT FIXTURES, THEY SHALL BE VENTLESS TYPE WHEN INSTALLED ON INTERIOR OF BUILDING.

KEYED NOTES:

1. REFER TO CIVIL DRAWINGS FOR CONTINUATION.
2. 1½" DOMESTIC WATER SERVICE, REFER TO DETAIL #5 ON THIS SHEET. SITE WATER METER AND CONTAINMENT BACKFLOW PREVENTER BY CIVIL.
3. ROUTE EXHAUST AND MAKE-UP AIR FLUES TO EXTERIOR OF WALL AND TERMINATE PER MANUFACTURERS RECOMMENDATIONS.
4. 1"CW AND 1" NATURAL GAS DOWN TO INSTANTANEOUS GAS WATER HEATERS MOUNTED ON WALL ABOVE MOP SINK. REFER TO DETAIL #2 ON THIS SHEET. 1"HW UP FROM GWH TO ABOVE CEILING.
5. TEMPERING VALVE SET AT 110° TO REST ROOM LAVATORIES, LOCATE IN ACCESSIBLE LOCATION ABOVE LAY-IN CEILING. REFER TO DETAIL 12/P3.
6. TRAP PRIMER VALVE EQUAL TO PRECISION PLUMBING PRODUCTS OREGON-1, WITH 2-LINE DISTRIBUTION MANIFOLD. LOCATE IN ACCESSIBLE LOCATION ABOVE LAY-IN CEILING. ROUTE 1/2" TYPE "L" SOFT COPPER TRAP PRIMER LINES DOWN TO BELOW FLOOR TO CONNECTIONS TO FD-B.
7. EXTEND ½"CW LINE WITH S.O.V. DOWN WALL AND PROVIDE FINAL CONNECTION TO OWNER EQUIPMENT. VERIFY ALL ROUGH-IN REQUIREMENTS PRIOR TO INSTALLATION.
8. ¾" COLD WATER DOWN IN WALL TO BELOW EQUIPMENT AT +4" AFF.
9. RUN ¾" COLD WATER PIPING UNDER EQUIPMENT TO CONNECTIONS.
10. WATER FILTER MOUNTED ON WALL ABOVE BAG-IN-BOX SYSTEM. STUB-OUT WATER SUPPLY @ 8'-4" AFF. SEE DETAIL 10/P3.
11. ½" WATTS NO. 9 DUAL CHECK BACKFLOW PREVENTER IN FILTER SUPPLY LINE TO ICE MACHINE. LOCATE IN ACCESSIBLE LOCATION ABOVE CEILING.
12. ¾" WATTS NO. 9 DUAL CHECK BACKFLOW PREVENTER IN FILTER SUPPLY LINE TO BEVERAGE AREA. LOCATE IN ACCESSIBLE LOCATION ABOVE CEILING.
13. 1¼" AUTOMATIC GAS VALVE EXPOSED 6" BELOW CEILING HEIGHT. PROVIDED BY OWNER INSTALLED BY CONTRACTOR. INTERLOCK WITH HOOD SUPRESSION SYSTEM. REDUCE FROM 1¼" AT INLET, AND INCREASE TO 2" AT OUTLET. PROVIDE UNION ON INLET AND OUTLET.
14. ROUTE GAS DOWN, EXPOSED ON WALL. EXTEND UNDER EQUIPMENT TO FINAL CONNECTIONS. PROVIDE PLUG VALVE, REDUCER, AND AGA RATED FLEX SUPPLY AT CONNECTION.
15. HOT WATER RECIRCULATION PUMP EQUAL TO TACO, 120 VOLTS, 1/8 HP, OR EQUIVALENT.

NOTE: PLUMBING CONTRACTOR TO PROVIDE AERATORS ON ALL HAND SINKS AND LAVATORIES THROUGHOUT THE FACILITY.

NOTE: LOCATIONS SHOWN FOR WATER SUPPLY AND WASTE PIPING ARE SCHEMATIC IN NATURE. COORDINATE EXACT CONNECTIONS REQUIRED W/ NEW EQUIPMENT SPECIFICATIONS AND POPEYE'S CRITERIA.



1 PLUMBING WATER & GAS PLAN
SCALE: 3/16" = 1'-0"

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REVISIONS	BY
1 02.16.18	BMD

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