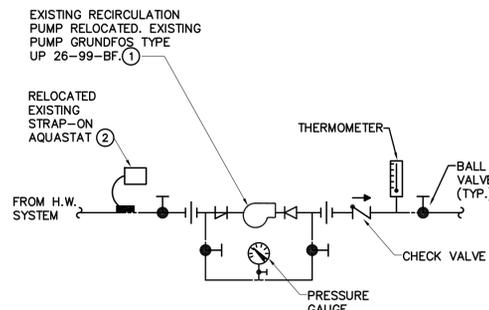


**NOTES:**

- ① EXISTING 1 1/2" GAS LINE TO EMERGENCY GENERATOR.
- ② EXISTING INCOMING GAS SERVICE LINE BELOW GRADE.
- ③ EXISTING GAS METER TO BE REPLACED BY SCANA/SCE&G. CONTRACTOR TO COORDINATE INSTALLATION SCHEDULE AND MODIFY PIPING AS REQUIRED TO CONNECT TO NEW GAS METER. NEW GAS LOAD: 848,800 BTUH, 7"W.C. DELIVERY PRESSURE.
- ④ EXISTING 1/2" GAS LINE.
- ⑤ EXISTING 1/4" GAS LINE WITH VALVE.
- ⑥ EXISTING 1/4"x1/4"x1/2" TEE. ONE OUTLET IS PIPED INTO BUILDING. THE REMAINING OUTLET IS CAPPED. CONNECT TO CAPPED OUTLET WITH NEW 1/4"x1/4"x1/2" TEE.
- ⑦ NEW 1/2" PIPING AND ROUTE TO NEW WATER HEATERS. PROVIDE NEW 1/2" SHUT OFF VALVE. SHUT OFF VALVE SHALL BE LOCKABLE FULL PORT BALL VALVE LISTED FOR GAS SERVICE.
- ⑧ SECURE PIPING TO WALL.
- ⑨ 1/2" GAS LINE THRU EXTERIOR WALL INTO ADJACENT CEILING SPACE. CORE DRILL HOLE THRU WALL AND CAULK ANNULAR SPACE WITH FLEXIBLE ELASTOMERIC CAULK. PROVIDE ESCUTCHEON AT WALL.
- ⑩ ALL EXPOSED PIPING SHALL BE PROVIDED WITH TWO COATS OF PAINT. PAINT SHALL MATCH COLOR OF ADJACENT WALL SURFACE. ALL EXPOSED PIPING (NEW AND EXISTING) TO BE PROPERLY CLEANED AND PRIMED PRIOR TO PAINTING.
- ⑪ 1/2" GAS PIPING CAPPED FOR FINAL CONNECTION TO NEW GAS METER BY SCE&G.
- ⑫ CAP PIPING WHEN NEW GAS METER IS INSTALLED.
- ⑬ PIPING FROM METER AND FINAL CONNECTION TO BUILDING PIPING BY SCE&G.

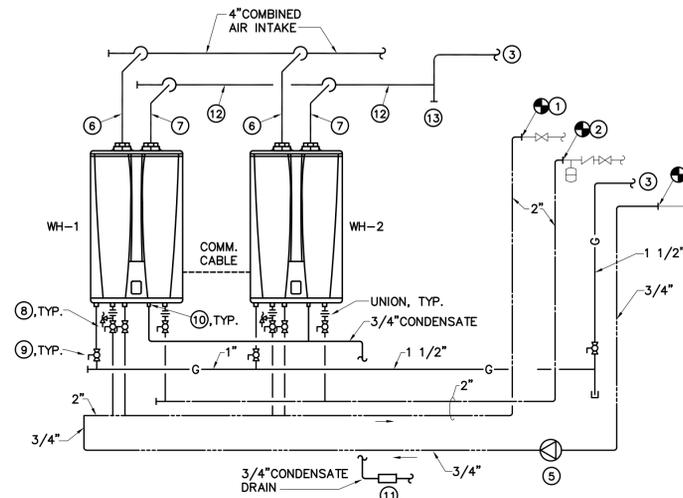
**GAS PIPING SCHEMATIC**  
NOT TO SCALE



**NOTES:**

- ① SUPPORT PUMP INDEPENDENTLY FROM PIPING FROM WALL OR STRUCTURE.
- ② SET FOR 110°F.
- ③ ALL OTHER PIPING AND ITEMS ARE NEW AND FURNISHED/INSTALLED BY CONTRACTOR.

**DOMESTIC WATER RECIRCULATING PUMP DETAIL**  
NOT TO SCALE



**NOTES:**

- ① CONNECT TO EXISTING H.W. LINE IN ROOM.
- ② CONNECT TO EXISTING C.W. LINE IN ROOM DOWNSTREAM OF EXISTING SHUT-OFF VALVE AND EXPANSION TANK.
- ③ SEE FLOOR PLAN FOR CONTINUATION.
- ④ CONNECT TO EXISTING H.W.R. LINE IN ROOM.
- ⑤ EXISTING H.W.R. PUMP RELOCATED/REINSTALLED AND SUPPORTED FROM WALL APPROX. 6"-0" AFF. REFER TO "DOMESTIC WATER RECIRCULATING PUMP DETAIL" FOR ADDITIONAL INFORMATION.
- ⑥ 3" INTAKE AIR DUCT.
- ⑦ 3" EXHAUST FLUE CONNECT TO 4" COMMON FLUE MANIFOLD.
- ⑧ WEBSTONE ISOLATOR EXP SERVICE VALVES (OR EQUAL) FOR C.W. AND H.W. WITH PRESSURE RELIEF VALVE.
- ⑨ FULL PORT BALL VALVE (GAS VALVES SHALL BE LISTED FOR GAS SERVICE).
- ⑩ 1/2" CONDENSATE DRAIN LINE FROM WATER HEATER.
- ⑪ CONDENSATE NEUTRALIZER KIT DESIGNED TO SUPPORT UP TO SIX WATER HEATERS. SUPPORT FROM WALL WITH BRACKET AND ROUTE DISCHARGE TO FLOOR DRAIN.
- ⑫ 4" FLUE COMBINED MANIFOLD.

**WATER HEATER PIPING SCHEMATIC**  
NOT TO SCALE

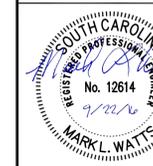
WATER HEATER #	LOCATION	NOMINAL CAPACITY*	SIZE			GAS		OUTLET TEMP	RECOVERY T RISE	RECOVERY GPH	PIPE SIZES (IN)				FLUE DIA. (IN)	AIR INTAKE (IN)	EXP. TANK (Y/N)	MIXING VALVE (Y/N)	RECIRC. PUMP (Y/N)	ELECT. VOLT/PH	MANUFACTURER AND MODEL	REMARKS
			HT.(IN)	W(IN)	D(IN)	CFH INPUT	IN WG				CW	HW	HWR	GAS								
WH-1,2	WTR. HTR. RM.	-	29	17.3	13.2	199.9	7	120	70°	5.5	3/4	3/4	3/4	3/4	3"	3"	①	N	①	350W, 120/1	NAVLEN NPE-240A	②

\* ACTUAL CAPACITY SHALL BE WITHIN 5% OF NOMINAL CAPACITY FOR CAPACITIES LARGER THAN 80 GALLONS.

① EXISTING  
② WALL MOUNTED

Project Engineer:  
DER  
Drawn By:  
LAM  
Revisions:  
No. \_\_\_\_\_ Date \_\_\_\_\_  
No. \_\_\_\_\_ Date \_\_\_\_\_

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D.H.E.C. FLORENCE COUNTY HEALTH DEPARTMENT WATER HEATER REPLACEMENT STATE PROJECT NO. : J04-N087-FW  
PLUMBING - NOTES, LEGENDS, DETAILS & SCHEDULES



Sheet Number:  
**P0.1**  
Date: SEPTEMBER 16, 2016  
Scale: As Noted  
BGA PROJECT NUMBER: 16085