

Owner:
Georgetown County
716 Prince Street
Georgetown, SC 29442

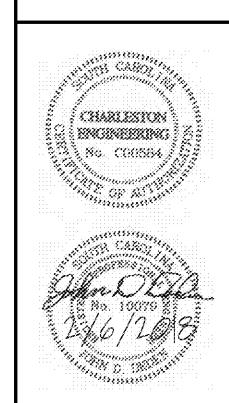
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MEP Consultant:
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Structural Consultant:
WEATHERLY STRUCTURAL ENGINEERS
1000 North Main Street, Suite 200, Charleston, SC 29403

Irrigation Consultant:



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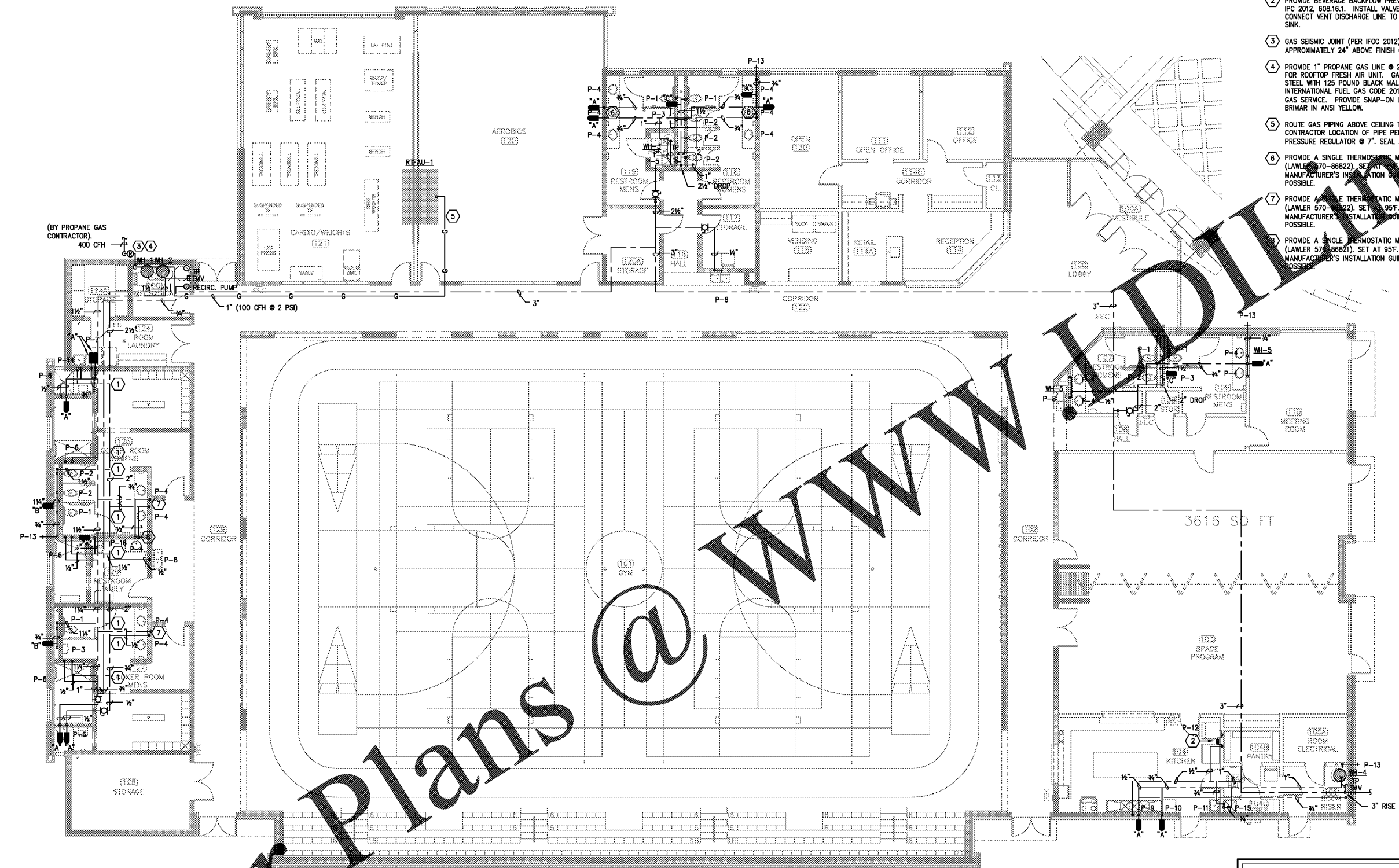
Job Number: 1788
Date: 2/6/18
Drawn by: SMITH
Checked by: DEEDEN

Notes:
BIDDING DOCUMENTS
Not for Construction

Revisions:

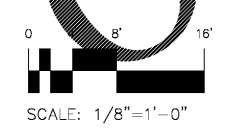
1ST FLOOR
WATER PLAN
P112

- KEYED NOTES (APPLICABLE TO THIS SHEET ONLY)**
- PROVIDE HEAVY DUTY FULL PORT QUARTER-TURN BALL VALVE(S) FOR ISOLATION ON THE HOT AND COLD WATER BRANCHES BEING FED FROM THE RESPECTIVE MAIN HEADER(S). LOCATE ISOLATION VALVES AS CLOSE TO CEILING AS POSSIBLE FOR EASY ACCESS.
 - PROVIDE BEVERAGE BACKFLOW PREVENTER CONFORMING TO ASSE 1022 (WATTS SD-3, 1/2") PER IPC 2012, 608.16.1. INSTALL VALVE TO ALLOW ACCESS FOR SERVICE AND MAINTENANCE. CONNECT VENT DISCHARGE LINE TO THE VENT OUTLET AND ROUTE VENT DISCHARGE TO FLOOR SINK.
 - GAS SEISMIC JOINT (PER IFGC 2012) WITH REGULATOR @ 2 PSI (400 CFH) WITH 1" INTO BUILDING APPROXIMATELY 24" ABOVE FINISH GRADE.
 - PROVIDE 1" PROPANE GAS LINE @ 2 PSI FROM REGULATOR FOR WATER HEATER WH-1, WH-2 AND FOR ROOFTOP FRESH AIR UNIT. GAS PIPING ABOVE GROUND SHALL BE SCHEDULE 40 BLACK STEEL WITH 125 POUND BLACK MALLEABLE IRON SCREWED FITTINGS. GAS PIPING SHALL BE PER INTERNATIONAL FUEL GAS CODE 2012 AND LOCAL CODES. GAS VALVES SHALL BE LISTED FOR GAS SERVICE. PROVIDE SNAP-ON LABELS ON PIPING EVERY 20 FEET "PROPANE GAS SERVICE TO BRIMAR IN ANSI YELLOW.
 - ROUTE GAS PIPING ABOVE CEILING TO ROOFTOP UNIT'S ROOF COURSE. COORDINATE WITH HVAC CONTRACTOR LOCATION OF PIPE PENETRATION THROUGH THE ROOF COURSE TO OUTSIDE AND PROVIDE PRESSURE REGULATOR @ 7". SEAL ALL PENETRATIONS WEATHERTIGHT.
 - PROVIDE A SINGLE THERMOSTATIC MIXING VALVE UNDER COUNTERTOP TO SERVE THREE LAVATORIES (LAWLER 570-86822). SET AT 95°. INSTALL VALVE IN STRICT ACCORDANCE WITH THE MANUFACTURER'S INSTALLATION GUIDELINES. SUPPORT PIPING UNDER COUNTERTOP AS HIGH AS POSSIBLE.
 - PROVIDE A SINGLE THERMOSTATIC MIXING VALVE UNDER COUNTERTOP TO SERVE TWO LAVATORIES (LAWLER 570-86822). SET AT 95°. INSTALL VALVE IN STRICT ACCORDANCE WITH THE MANUFACTURER'S INSTALLATION GUIDELINES. SUPPORT PIPING UNDER COUNTERTOP AS HIGH AS POSSIBLE.
 - PROVIDE A SINGLE THERMOSTATIC MIXING VALVE UNDER COUNTERTOP TO SERVE A LAVATORY (LAWLER 570-86822). SET AT 95°. INSTALL VALVE IN STRICT ACCORDANCE WITH THE MANUFACTURER'S INSTALLATION GUIDELINES. SUPPORT PIPING UNDER COUNTERTOP AS HIGH AS POSSIBLE.



Water Heater Schedule				
MARK	CAPACITY (GALLONS)	RECOVERY (100' F)	INPUT	REMARKS
WH-1	100	145 G.P.H. @ 100° F	150,000 BTUH	1,5
WH-2	100	145 G.P.H. @ 100° F	150,000 BTUH	1,5
WH-3	20	18 G.P.H. @ 100° F	4.5 KW	2,5
WH-4	80	112 G.P.H. @ 100° F	27 KW	3,5
WH-5	-	57 ΔT @ 1 GPM	8.32 KW	4

REMARKS: 1. DESIGN BASIS IS EQUAL TO LOCHINVAR SLR151-100, PROPANE.
2. DESIGN BASIS IS EQUAL TO LOCHINVAR EJW020KS, ELECTRIC @ 277/1.
3. DESIGN BASIS IS EQUAL TO LOCHINVAR HCX27080, ELECTRIC @ 480/3.
4. DESIGN BASIS IS EQUAL TO CHRONOMITE M-30L/277/1. PRESET @ 110°F.
5. PROVIDE SAFETY DRAIN PAN.



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