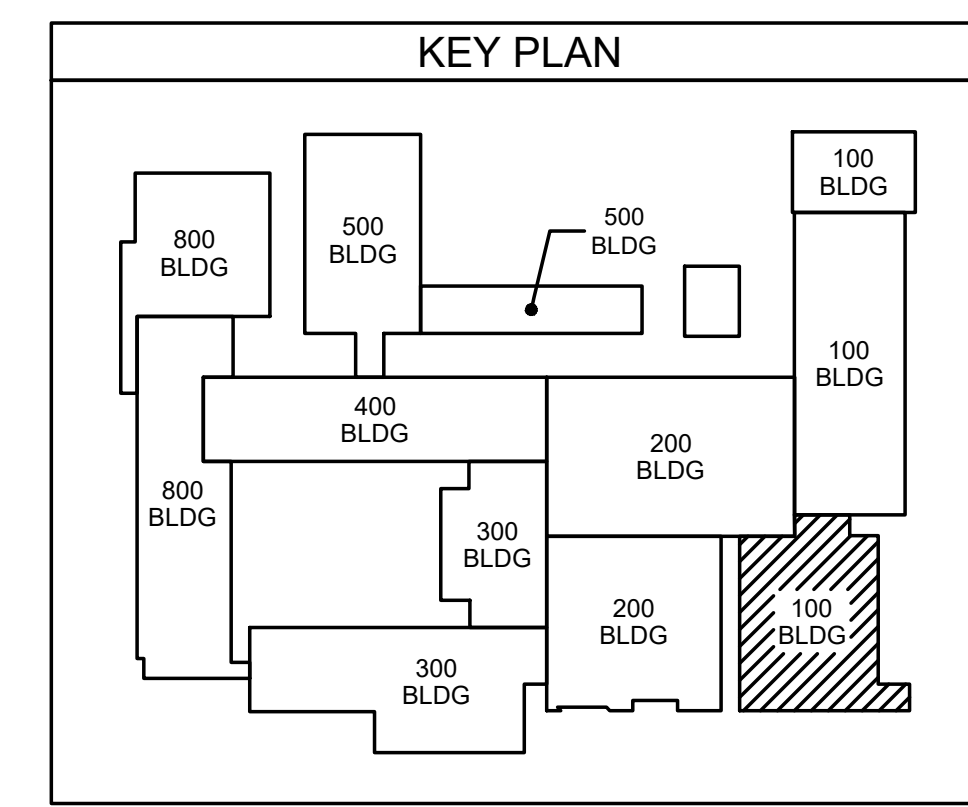
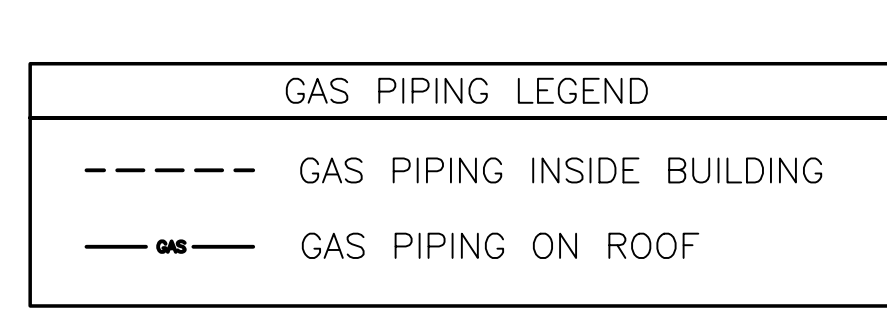


### GAS SIZING CALCULATIONS

EQUIPMENT LIST	MBH	QUANTITY	TOTAL MBH
EXIST. BOILERS	5,000	3	15,000
EXIST. KITCHEN EQUIP.	1,000	1	1,000
EXIST. LAB BURNERS	10	40	400
RTU-1	600	1	600
RTU-2	600	1	600
RTU-3	100	1	100
RTU-4	150	1	150
RTU-5	150	1	150
VSU-1	300	1	300
VSU-2	350	1	350
VSU-3	150	1	150
VSU-4	150	1	150
VSU-5	200	1	200
VSU-6	150	1	150
VSU-7	250	1	250
VSU-8	250	1	250
VSU-12	500	1	500
VSU-13	150	1	150
KMAU-1	214	1	214
LAB BURNERS	10	44	440
FOOD LAB EQUIP	665	1	665
GAS DRYER	175	2	350
GWH	199	1	199
<b>TOTAL CONNECTED =</b>			<b>22,318</b>
<b>LENGTH OF GAS LINE = 1,000 FT.</b>			
<b>TYPE OF GAS SERVICE = NATURAL GAS</b>			
<b>GAS PRESSURE = 5 PSI</b>			
<b>SIZE OF GAS SERVICE REQUIRED = 4"</b>			

NOTE: ENGINEER SHALL BE NOTIFIED PRIOR TO INSTALLATION OF GAS PIPE IF ANY ONE OF THE ABOVE CALCULATIONS DIFFER FROM THE ACTUAL INSTALLATION REQUIREMENTS. ENGINEER SHALL HAVE OPPORTUNITY TO REVIEW ACTUAL INSTALLATION CONDITIONS AND RE-SIZE GAS SERVICE IF REQUIRED.



**102.1 CAFETERIA AND KITCHEN GAS & ROOF PLAN**  
SCALE: 1/8" = 1'-0"

11/27/23	ADDENDUM # 4
11/27/23	ADDENDUM # 3
11/17/23	ADDENDUM # 2
11/09/23	ADDENDUM # 1
No.	Date

Hite associates

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STATE OF NORTH CAROLINA  
**418**  
HITE ASSOCIATES, P.C.  
GREENVILLE, NC

New Additions & Renovations to

West Carteret High School

4700 Country Club Road, Morehead City NC 28577  
Carteret County Schools / North Carolina

Project No. 22112

Date: 03 Oct 2023

Drawing No.

M

102

ES Project No. ES21060

ENGINEERING

SOURCE OF NC, PA.

REGISTERED PROFESSIONAL ENGINEER  
STATE OF NORTH CAROLINA  
**112723**  
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