

01 GAS SUPPLY RISER DIAGRAM  
SCALE: NTS

### GAS SUPPLY CALCULATION TABLE

- PRESSURE DROP: 0.5 PSI FROM GAS METER TO EACH LINE REGULATOR.
- PIPE MATERIAL: STEEL(SCHD. 40)
- TOTAL LENGTH FROM MAU-2 TO GAS METER: 273 FT, SEE DIAGRAM DRAWING FOR SEGMENT LENGTH.
- FITTINGS EQUIVALENT LENGTH: 55.7 FT
- EQUIVALENT TOTAL LENGTH (PLUS FITTING EQUIVALENT LENGTH): 328.7 FT.

NOTE:  
PIPING MATERIAL: SCHEDULE 40 METALLIC PIPE.  
GAS: NATURAL. INLET PRESSURE: 2 PSI.  
PRESSURE DROP: 1.0 PSI SPECIFIC GRAVITY: 0.60.

1. CALCULATIONS BASED ON 2009 INTERNATIONAL FUEL GAS CODE FROM TABLE TABLE 402.4(3)

### EQUIVALENT LENGTHS OF PIPE FITTINGS AND VALVES CALCULATION TABLE

	1/2"	3/4"	1"	1-1/4"	1-1/2"	2"	EQUIVALENT LENGTHS(FT)	TOTAL EQUIVALENT LENGTHS(FT)
90° /ELL	0	4	0	0	2	0	16.28	55.7
TEE	0	0	1	1	2	0	28.22	
CHECK VALVE	0	0	0	0	1	0	11.2	

NOTE:  
1. CALCULATIONS BASED ON 2009 INTERNATIONAL FUEL GAS CODE APPENDIX A, TABLE A.2.2 .

### GAS LOAD TABLE

EQUIPMENT	GAS HEATING CAPACITY (MBH)
GWH-1	200
GWH-2	200
GWH-3	200
GWH-4	200
MAU-1	350
MAU-2	350
DRYER-1	180
DRYER-2	180
POOL HEATER	190
TOTAL	2046

#### GENERAL NOTE

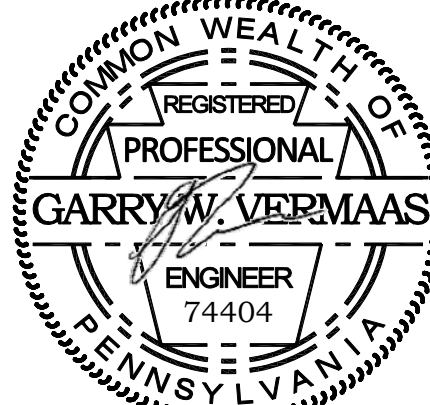
- SET THE OUTLET PRESSURE OF EACH GAS LINE PRESSURE REGULATOR AS PER INSTRUCTIONS OF THE GAS APPLIANCE MANUFACTURERS.
- ALL THE INTERIOR GAS LINE PRESSURE REGULATORS THAT REQUIRE A VENT SHALL VENTED DIRECTLY TO THE OUTDOORS. A VENT TO THE OUTDOORS IS NOT REQUIRED FOR REGULATORS EQUIPPED WITH AND LABELED FOR UTILIZATION WITH AN APPROVED VENT-LIMITING DEVICE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS.
- ALL PIPE SIZES HAVE BEEN DESIGNED ASSUMING 2PSI INLET PRESSURE. CONTRACTOR SHALL VERIFY INLET PRESSURE IS MINIMUM 2 PSI OR INFORM THE EOR.
- 1 MBH=1CFH
- REG=REGULATOR



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SEAL



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ISSUE:

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PROJECT: 16-018

Hampton Inn & Suites

New Stanton, PA 15672

OWNER:

Stanton Hospitality LLC

52 Blueberry Lane,  
Grove City, PA 16127

No.	Issue Date	Project Status

DATE 2016.08.05

DRAWN BY JP

CHECKED BY GWV

SCALE AS NOTED

PROJECT NO. B4-67-1603

SHEET NAME

GAS SUPPLY  
RISER DIAGRAM

SHEET NO.

P305