

| GAS PIPING LEGEND | |
|-------------------|------------------------|
| | GAS PIPING |
| | GAS BALL VALVE |
| | GAS PRESSURE REGULATOR |
| | PIPE UP |
| | PIPE DOWN |
| | GAS METER (EXISTING) |

- NOTES:**
- SUPPORT STEEL PIPE AT MAXIMUM OF 8'-0" O.C. FOR 1/2"
 - SUPPORT STEEL PIPE AT MAXIMUM OF 8'-0" O.C. FOR 3/4" & 1"
 - SUPPORT STEEL PIPE AT MAXIMUM OF 10'-0" O.C. FOR 1-1/4" & LARGER.
 - CONTRACTOR TO VERIFY ALL EXISTING PIPING IS SIZED FOR 2 PSI AND MEETS THE VALUES LISTED BELOW FROM THE IFGC AND NFPA 54 TABLES.

| EQUIPMENT SCHEDULE | | | |
|--------------------|-----------------------------------|---------------------|----------|
| MARK | EQUIPMENT | MANUFACTURER | MODEL # |
| 8 | CHAR. GRILL W/ STAND (ON CASTERS) | SOUTHBEND | P52N-CC |
| 9 | GRIDDLE W/ STAND (ON CASTERS) | WELLS MANUFACTURING | WG-30489 |
| 10 | 355 LB. FRYERS (ON CASTERS) | PITCO FRIALATOR | SG14 |

OWNER IS RESPONSIBLE TO VERIFY ALL EQUIPMENT SPECIFICATIONS & TYPES PRIOR TO PURCHASE AND INSTALLATION. GC TO COORDINATE ALL EQUIPMENT & CONNECTIONS W/ OWNER PRIOR TO PURCHASE & INSTALLATION.

NOTES:

- ALL FOOD SERVICE/KITCHEN EQUIPMENT TO BE UL-LABELED, CLASSIFIED FOR SANITATION & MUST COMPLY WITH LOCAL STATE BUILDING CODES.

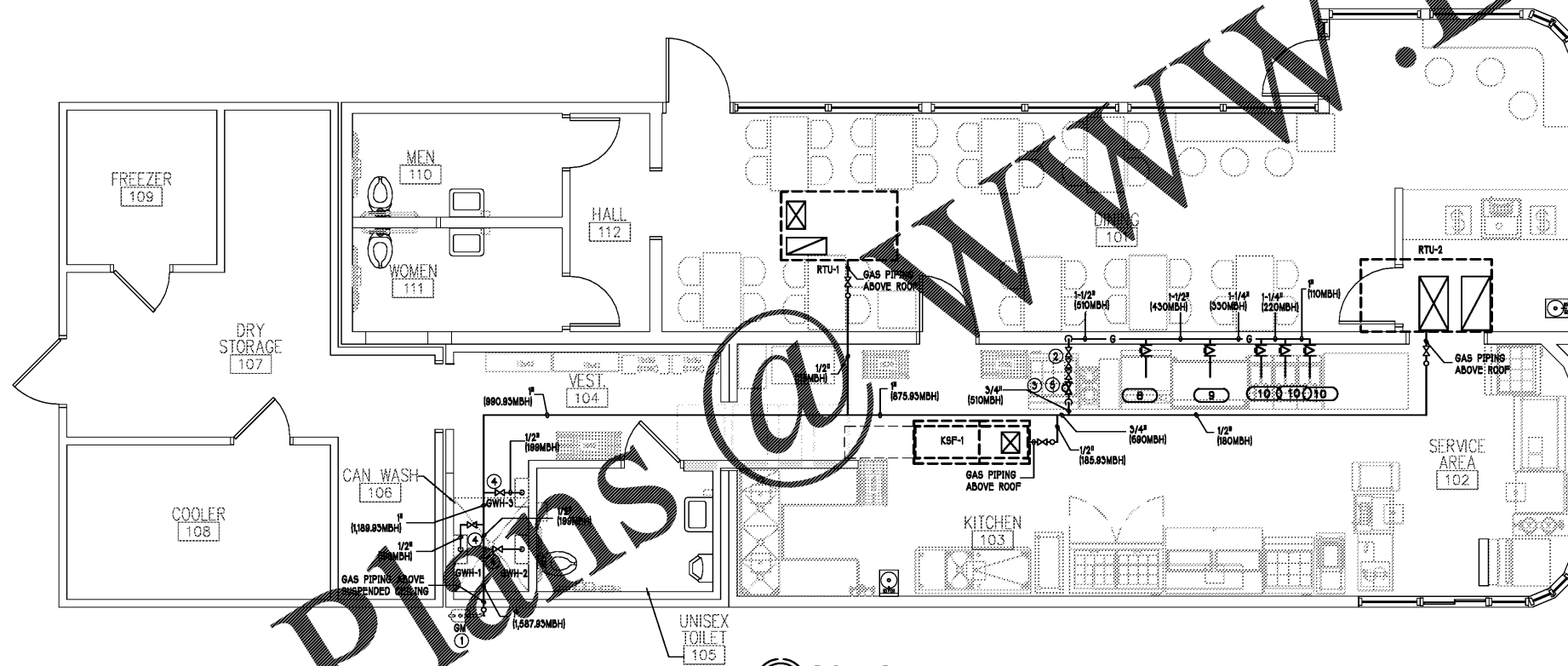
| GAS LOAD TABLE | |
|---|--|
| LOW PRESSURE PRESSURE DROP: 0.5 IN.W.C. STEEL (SCHD. 40) LENGTH: 105 FT FITTINGS FACTOR: 12 EQUIVALENT TOTAL LENGTH: 126 FT. CAPACITY OF PIPES IN MBH: | HIGH PRESSURE ATMOS. PRESSURE: 14.6954 PSIA P: 2 PSIG STEEL (SCHD. 40) LENGTH: 105 FT FITTINGS FACTOR: 12 EQUIVALENT TOTAL LENGTH: 126 FT. CAPACITY OF PIPES IN MBH: |
| 1/2" 44 | 1/2" 404 |
| 3/4" 81 | 3/4" 844 |
| 1" 172 | 1" 1590 |
| 1-1/4" 353 | 1-1/4" 3254 |
| 1-1/2" 530 | 1-1/2" 4581 |
| 2" 1020 | |
| 2-1/2" 1625 | |
| 3" 2875 | |

NOTE:
GAS PIPING IS SIZED FOR 2PSI. CONTRACTOR SHALL PROVIDE AN ALTERNATE BID FOR LOW PRESSURE PIPING IF HIGH PRESSURE IS NOT AVAILABLE. CONTRACTOR SHALL VERIFY THE AVAILABILITY OF 2PSI SERVICE BEFORE ANY WORK HAS BEGAN AND NOTIFY ARCHITECT IN WRITING OF AVAILABLE SERVICE.

| COMBINED GAS LOAD SUMMARY | |
|---------------------------|------------|
| 8 | 80 MBH |
| 9 | 100 MBH |
| 10 | 110 MBH |
| 10 | 110 MBH |
| 10 | 110 MBH |
| 10 | 110 MBH |
| GWH-1 | 189 MBH |
| GWH-2 | 189 MBH |
| GWH-3 | 189 MBH |
| KSF-1 | 185.93 MBH |
| RTU-1 | 115 MBH |
| RTU-2 | 180 MBH |
| 1,587.93 MBH TOTAL | |

- CONSTRUCTION NOTES**
- RELOCATE EXISTING GAS METER TO A NEW LOCATION SHOWN ON FLOOR PLAN. COORDINATE EXACT LOCATION OF GAS METER WITH OWNER/ARCHITECT PRIOR TO INSTALLATION. VERIFY TOTAL DEVELOPED LENGTH OF PIPING AND SERVICE PRESSURE BEFORE STARTING WORK. PIPING IS SIZED FOR 1,587.93 MBH AT 2 PSI AT APPROXIMATE TOTAL DEVELOPED LENGTH OF 105 FEET. NOTIFY ENGINEER IF LENGTH TO FURTHEST FIXTURE IS GREATER THAN 105 FT.
 - GAS LINE FEEDING GAS COOKING EQUIPMENT UNDER HOOD. PROVIDE EACH PIECE OF GAS FIRED EQUIPMENT WITH A SEPARATE SHUT-OFF AND VENT LIMITING PRESSURE REGULATOR AS REQUIRED.
 - PROVIDE SOLENOID VALVE AND INTERLOCK WITH HOOD FIRE SUPPRESSION SYSTEM TO SHUT-OFF GAS SUPPLY IN ANY ALARM. PROVIDE MANUAL RESET RELEVANT ACCESSIBLE LOCATION. VERIFY LOCATIONS OF GAS STUDS PRIOR TO EQUIPMENT INSTALLATION.
 - GAS LINE TO NEW GAS FIRED WATER HEATERS. PROVIDE A SHUT-OFF AND VENT LIMITING PRESSURE REGULATOR AS REQUIRED.
 - NEW GAS PRESSURE REGULATOR AT GAS LINE THAT IS ROUTED UNDER THE HOOD TO REDUCE THE LINE PRESSURE UNDER THE HOOD FROM 2 PSI TO 1/2 PSI.
- NOTE:** GAS PIPING TO BE ROUTED ABOVE THE CEILING

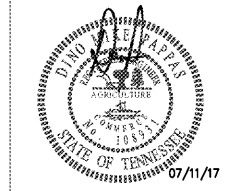
- GENERAL NOTES**
- EXISTING GAS PIPING TO BE REMOVED AND RELOCATE EXISTING GAS METER AS SHOWN ON FLOOR PLAN.



1 GAS PIPING PLAN
PS 1/4"=1'-0"

ALL PLUMBING PENETRATIONS THROUGH RATED ASSEMBLIES SHALL BE PROTECTED IN ACCORDANCE TO LOCAL AUTHORITY HAVING JURISDICTION

PROVIDE GAS REGULATOR AT EACH PIECE OF GAS-FIRED EQUIPMENT TO PROVIDE PRESSURE TO UNIT AS REQUIRED BY MANUFACTURER.



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| Mk | Date | Description |
|----|------|-------------|
| | | Revisions |

GAS PIPING PLAN

Date 07-11-17
Drawn By APP
Check By AWC
Job No. 17-019-000
Sheet

P5

Order Plans