

SAMPLE ONLY

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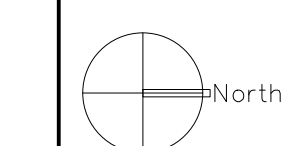
KEYED NOTES

1. 1/4 INCH DIAMETER PIPE.
2. 3/8 INCH DIAMETER PIPE.
3. 1/2 INCH DIAMETER PIPE.
4. 3/4 INCH DIAMETER PIPE.
5. 1 INCH DIAMETER PIPE.
6. 1-1/4 INCH DIAMETER PIPE.
7. 1-1/2 INCH DIAMETER PIPE.
8. 2 INCH DIAMETER PIPE.
9. 2-1/2 INCH DIAMETER PIPE.
10. 3 INCH DIAMETER PIPE.
11. 4 INCH DIAMETER PIPE.
12. 6 INCH DIAMETER PIPE.
13. EMERGENCY SHUT-OFF BUTTONS.
14. EMERGENCY SHUT-OFF SOLENOID VALVES.
15. ACID NEUTRALIZATION TANK MONITORING SYSTEM. REFER DETAIL 10, SHEET P0500.
16. SINKS AND EMERGENCY FIXTURES IN THIS AREA ARE FURNISHED BY THE LAB CASEWORK VENDOR. PROVIDE PLUMBING ROUGH-INS AS SHOWN.
17. 3" ACID WASTE DOWN.
18. 1-1/4" VENT UP.
19. 3" ACID WASTE UP.
20. 1-1/4" VENT DOWN.
21. 3/4" CONNECT TO HYDRONIC SYSTEM MAKE-UP WATER.

GAS PIPE SIZING TABLE					
SEGMENT	GAS FLOW (CFH)	PIPE PRESSURE (PSI)	PIPE SIZE (INCHES)	SIZING TABLE	TOTAL DEVELOPED LENGTH USED FOR SIZING
A-B	5	1.0	1"	402.4(6)	425' (Q-A)
B-C	10	1.0	1"	402.4(6)	425'
C-D	20	1.0	1"	402.4(6)	425'
D-E	25	1.0	1"	402.4(6)	425'
E-F	40	1.0	1"	402.4(6)	425'
F-G	45	1.0	1"	402.4(6)	425'
G-H	45	1.0	1"	402.4(6)	425'
H-I	135	1.0	1-1/2"	402.4(6)	425'
I-J	270	1.0	2"	402.4(6)	425'
J-K	270	2	1-1/2"	402.4(3)	90' (Q-N)
K-O	1,678	2	1"	402.4(3)	90'
K-M	408	2	3/4"	402.4(3)	90'
M-N	454	2	1/2"	402.4(3)	90'
K-L	500	2	1/2"	402.4(3)	90'
O-P	260	2	1/2"	402.4(3)	90'
O-Q	1,438	2	1-1/4"	402.4(3)	90'

1. GAS REGULATORS FOR CLASSROOM LAB'S ARE NOT TO BE PLACED IN RETURN AIR PLENUM.
2. G-1 LAB TABLE GAS OUTLET - 5000BTU/H. OUTLET IS PROVIDED BY THE CASEWORK VENDOR.
3. PIPES IN THIS DIAGRAM WERE SIZED USING THE HYBRID PRESSURE METHOD AS STATED IN APPENDIX A OF THE 2006 NC FUEL GAS CODE.

Key Plan



Mark	Date	Description
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Project #: 207014.00  
 CAD File Name:  
 Issue Date: 10.08.2007