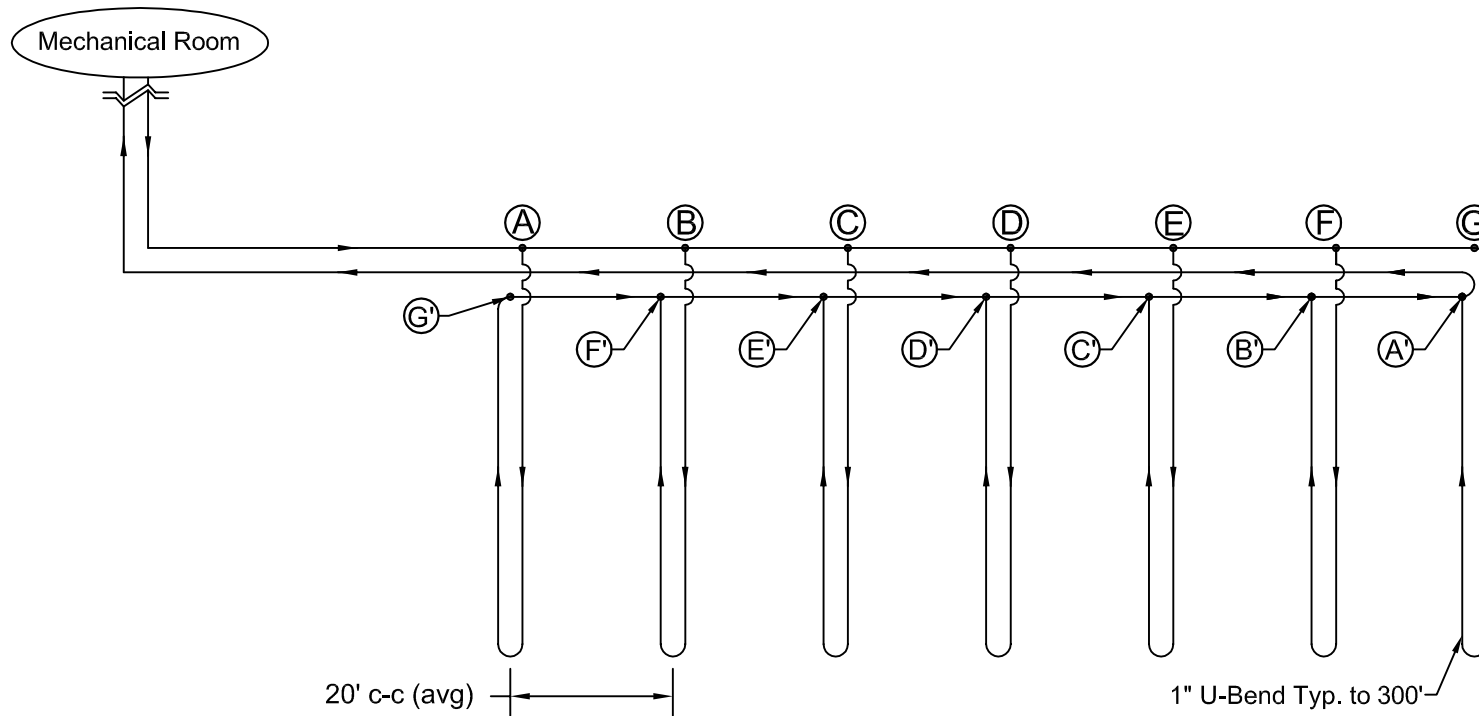


Loopfield Specifications		
Grout TC	0.88	Btu/hr-ft-°F
Grid	7 x 10	
Vertical Bore Depth	300'	
Spacing	20'	c-c (avg)
U-Bend Dia.	1"	Nominal
System Flow	300	gpm
Supply-Return Flow	30	gpm (x10)
Flushing Flow	5.70	gpm/U-bend
Operating Flow	4.29	gpm/U-bend
EWT _{min}	30	°F
EWT _{max}	90	°F

Head Loss for 20% Propylene Glycol By Volume at 30°F						
Pipe Run	Flow Rate (gpm)	Pipe	Length (ft)	Nom Size (in)	hl/100'	hl (ft)
Mech-A	30.00	HDPE DR-11	100	2	2.74	2.74
A-B	25.71	HDPE DR-11	20	2	2.08	0.42
B-C	21.43	HDPE DR-11	20	2	1.70	0.34
C-D	17.14	HDPE DR-11	20	2	1.15	0.23
D-E	12.86	HDPE DR-11	20	1 1/4	3.81	0.76
E-F	8.57	HDPE DR-11	20	1 1/4	1.87	0.37
F-G	4.29	HDPE DR-11	20	1	1.68	0.34
G-A'	4.29	HDPE DR-11	600	1	1.68	10.08
A'-Mech	30.00	HDPE DR-11	220	2	2.74	6.03
Total						21.31

Reverse-Return Section Details			
Pipe Section	Nom. Size (in)	Operating Flow Rate (gpm)	Flushing Flow Rate (gpm)
Mech-A	2	30.00	39.90
A-B	2	25.71	34.20
B-C	2	21.43	28.50
C-D	2	17.14	22.80
D-E	1 1/4	12.86	17.10
E-F	1 1/4	8.57	11.40
F-G	1	4.29	5.70



NOTES:

- 1) G'-A' IS A MIRROR IMAGE OF A-G
- 2) RUN LENGTH TO MECHANICAL ROOM ASSUMED TO BE 100', ACTUAL VALUE UNKNOWN

Title: **Commercial Example**

Paper Size: **8.5"x11"**

Drawn By: **RCARDA**

Date: **1-1-08**

