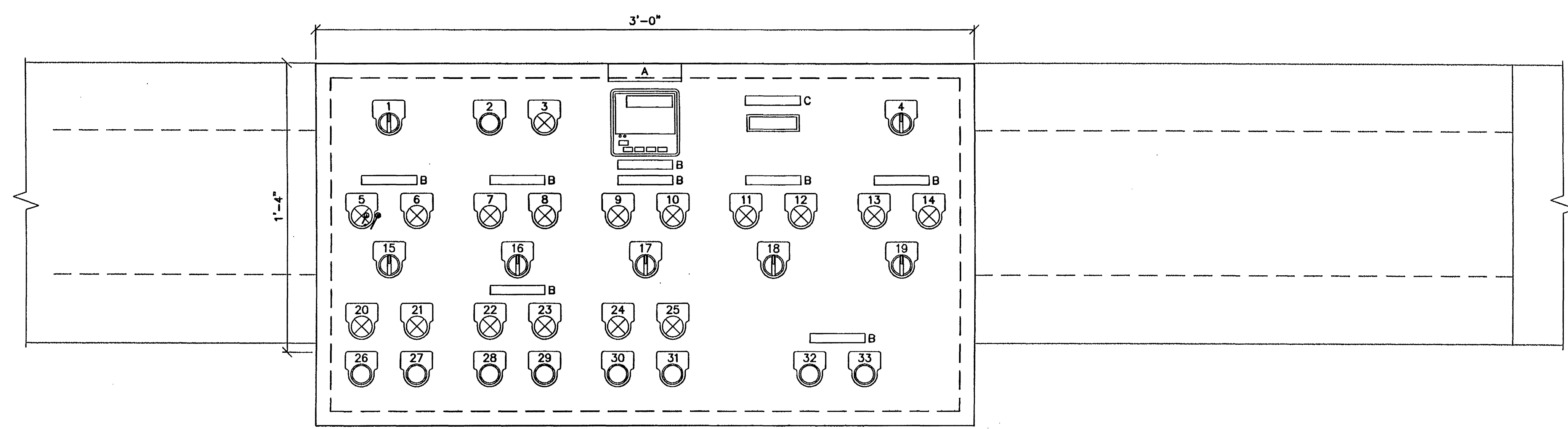
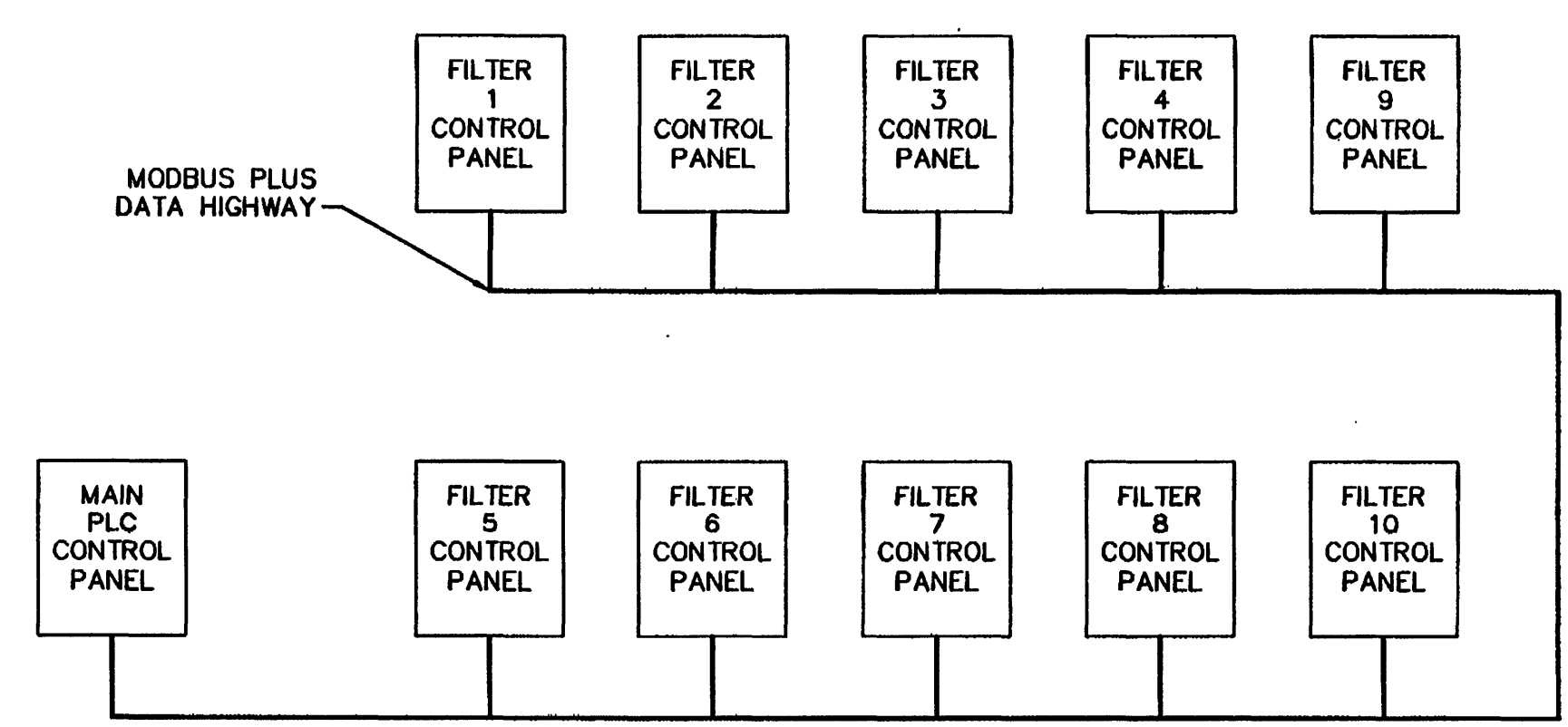


ELEVATION VIEW
LOCAL FILTER CONTROL PANEL (TYP.)
SCALE: 3" = 1'-0"



PLAN VIEW
LOCAL FILTER CONTROL PANEL (TYP.)
(CENTERED OVER EXISTING CONTROL PANEL)
SCALE: 3" = 1'-0"



NOTES:
1. THE CONTROL PANELS FOR FILTERS 9 & 10 ALREADY HAVE A MODICON 984T120 PLC IN EACH. REPLACE PROCESSOR/ RACK TO MAKE FILTERS 9 & 10 TO MATCH NEW REMOTE I/O RACKS FOR NEW MASTER PLC.

PLC COMMUNICATION

NAMEPLATE ENGRAVING SCHEDULE				
ITEM	SIZE	LETTER HEIGHT	LINE 1	LINE 2
A	4" x 1"	3/16"	FILTER No. 4	CONTROL CONSOLE
B	3" x 1/2"	5/32"	FILTER No. 4	EFFLUENT CONTROL
C	3" x 1/2"	5/32"	FILTER No. 4	LEVEL
D	3" x 1/2"	5/32"	FILTER No. 4	LOSS OF HEAD
E	3" x 1/2"	5/32"	INFLUENT VALVE	
F	3" x 1/2"	5/32"	BACKWASH WATER VALVE	
G	3" x 1/2"	5/32"	DRAIN VALVE	
H	3" x 1/2"	5/32"	BACKWASH AIR VALVE	
I	3" x 1/2"	5/32"	BLOWER VENT VALVE	
J	3" x 1/2"	5/32"	BACKWASH AIR BLOWERS	
K	1-1/2" x 1/2"	5/32"	BACKWASH WATER PUMP	

LEGEND/PLATE ENGRAVING SCHEDULE				
ITEM	LETTER HEIGHT	LINE 1	LINE 2	LINE 3
1	5/32"	FILTER PLANT MODE	AUTO _ MANUAL	
2	5/32"	INITIATE BACKWASH		
3	5/32"	BACKWASH ABORTED		
4	5/32"	BACKWASH WATER FLOW	AUTO	LOW _ HIGH
5	5/32"	OPEN		
6	5/32"	CLOSED		
7	5/32"	AUTO	OPEN _ CLOSE	
8	5/32"	OPEN		
9	5/32"	CLOSED		
10	5/32"	AUTO	OPEN _ CLOSE	
11	5/32"	OPEN		
12	5/32"	CLOSED		
13	5/32"	AUTO	OPEN _ CLOSE	
14	5/32"	OPEN		
15	5/32"	CLOSED		
16	5/32"	AUTO	OPEN _ CLOSE	
17	5/32"	OPEN		
18	5/32"	CLOSED		
19	5/32"	AUTO	OPEN _ CLOSE	
20	5/32"	BLOWER No. 1	RUNNING	
21	5/32"	BLOWER No. 1	FAULT	
22	5/32"	BLOWER No. 1	START	
23	5/32"	BLOWER No. 1	STOP	
24	5/32"	BLOWER No. 2	RUNNING	
25	5/32"	BLOWER No. 2	FAULT	
26	5/32"	BLOWER No. 2	START	
27	5/32"	BLOWER No. 2	STOP	
28	5/32"	BLOWER No. 3	RUNNING	
29	5/32"	BLOWER No. 3	FAULT	
30	5/32"	BLOWER No. 3	START	
31	5/32"	BLOWER No. 3	STOP	
32	5/32"	BACKWASH PUMPS	START	
33	5/32"	BACKWASH PUMPS	STOP	

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LELAND SIMMONS
32527
Professional Engineer
4/14/00

REVISIONS				REMARKS
NO.	BY	DATE		

DES -- SLS --
DWN -- AAH --
CKD -- SLS --



CITY OF ROANOKE, VIRGINIA
WATER POLLUTION
CONTROL PLANT
EFFLUENT FILTER REHABILITATION

EFFLUENT FILTERS
FILTER CONTROL PANEL AND
PLC COMMUNICATION
NOT TO SCALE

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