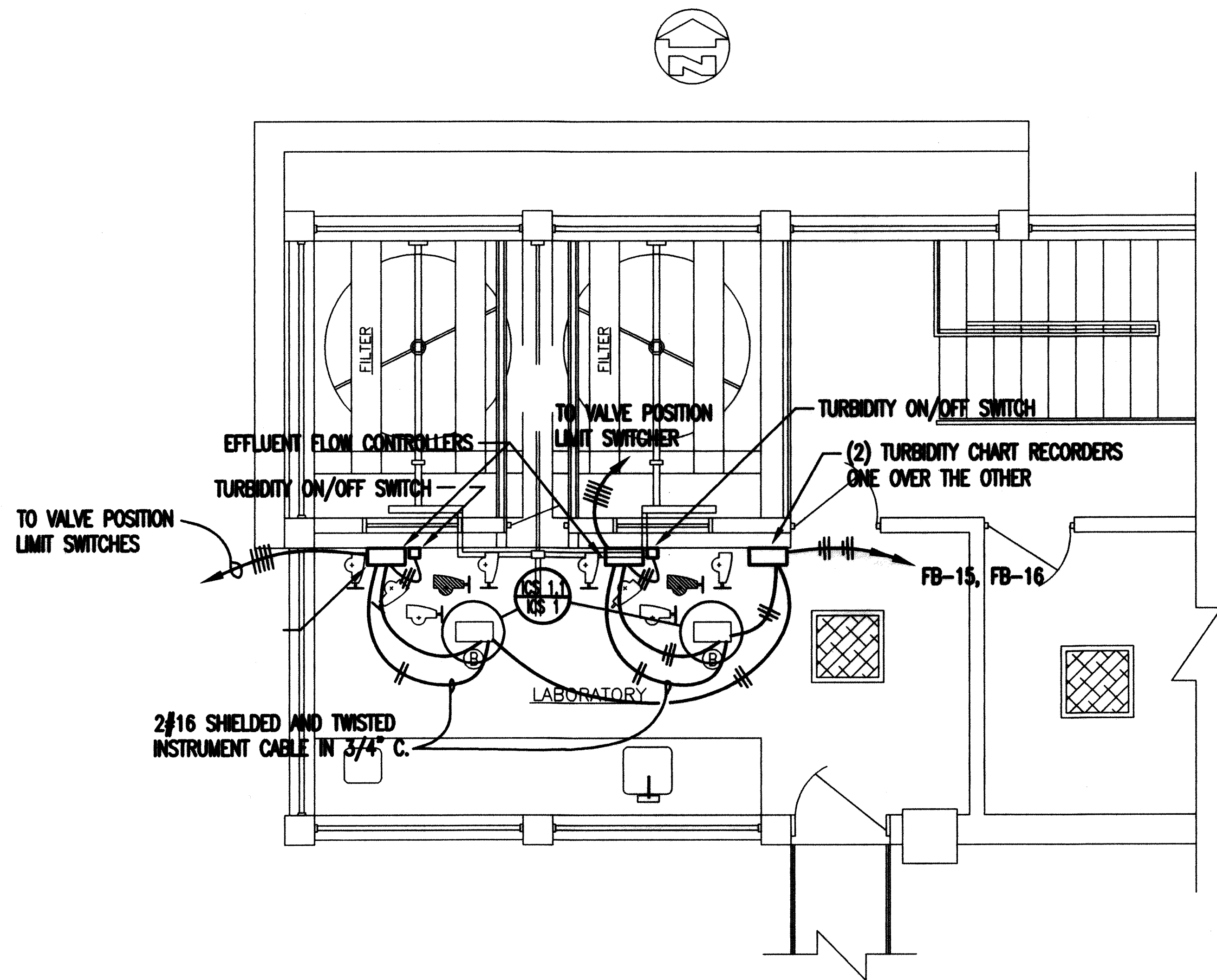
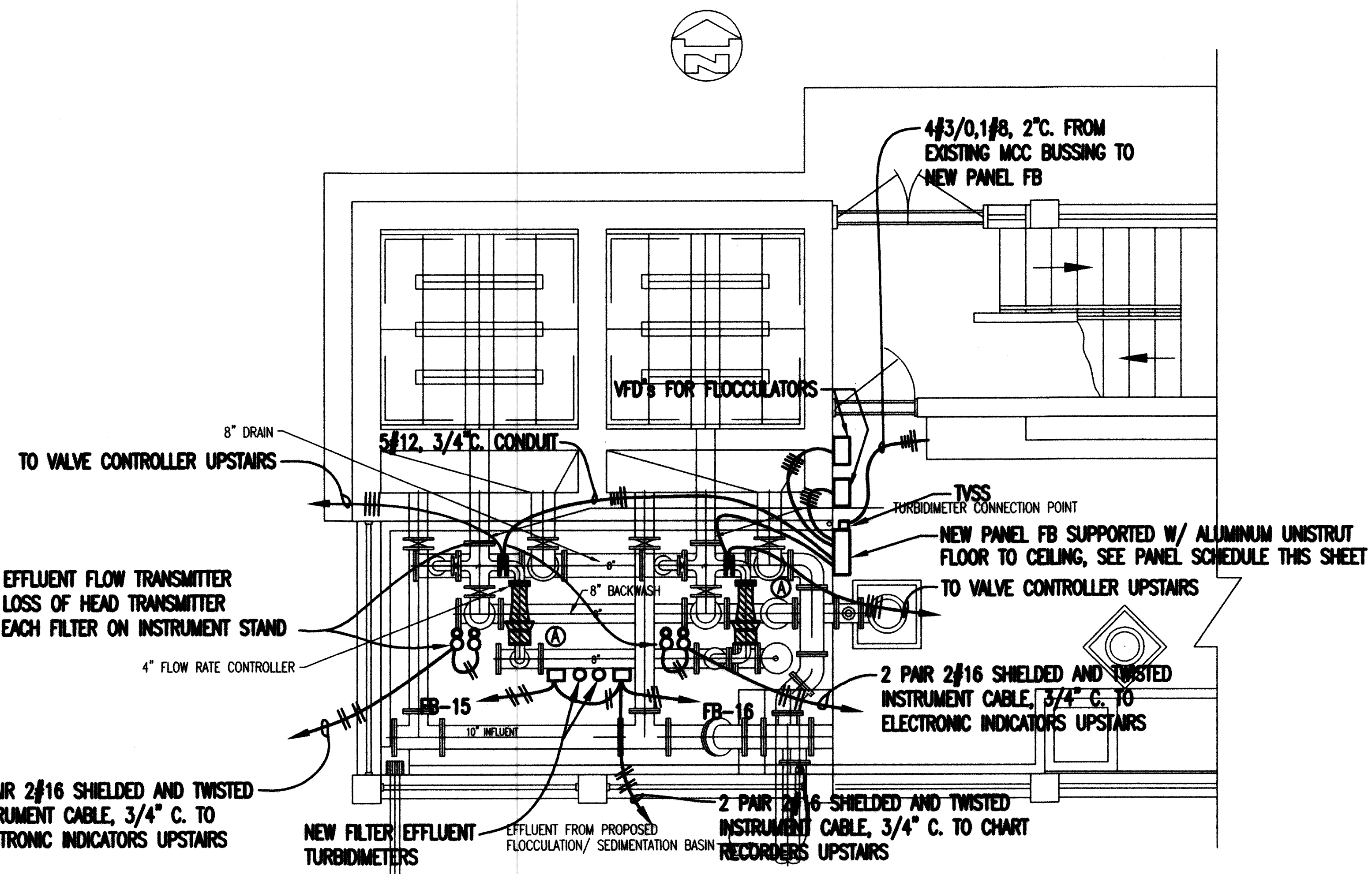




**SECOND FLOOR PLAN
LABORATORY AND FILTERS No. 1 & 2**
SCALE: 3/8" = 1'-0"

PANELBOARD										FB		MOUNTING SURFACE																	
VOLTAGE										208/120		PHASE		3		WIRE		4		MAIN CKT BRK 100A/3P									
POLE/CKT NO.		CKT TRIP POLE		SERVICES				LOAD				SERVICES				CKT TRIP POLE		POLE/CKT NO.											
					KVA	# A	# B	# C	KVA																				
1	15A	1		SLUDGE COLLECTOR- EXIST.S.B.	1.25	2.50			1.25	SLUDGE COLLECTOR NEW S.B.	15A	1	2																
3	15A	3		FLOCCULATOR No.1 VFD	0.75	1.50			0.75	FLOCCULATOR No.2 VFD	15A	3	4																
5	—	—			0.75		1.50		0.75		—	—	6																
7	—	—			0.75			1.50	0.75		—	—	8																
9	15A	3		FILTER NO. 1 EFFLUENT VALVE	0.50	1.0			0.50	FILTER NO.2 EFFLUENT VALVE	15A	3	10																
11	—	—			0.50		1.0		0.50		—	—	12																
13	—	—			0.50			1.0	0.50		—	—	14																
15	20A	1		FILTER NO. 1 INSTRUMENTS	1.0		2.0		1.0	FILTER NO.2 INSTRUMENTS	20A	1	16																
17	15A	3		SPARE	0.75	1.50			0.75	SPARE	15A	3	18																
19	—	—			0.75		1.50		0.75		—	—	20																
21	—	—			0.75			1.50	0.75		—	—	22																
23	15A	1		SPARE	1.25			2.25	1.0	SPARE	20A	1	24																
25	30A	3		TVSS	—					SPACE			26																
27	—	—			—					SPACE			28																
29	—	—			—					SPACE			30																
					TOTAL KVA/φ					6.5	6.0	6.25	TOTAL PANELBOARD KVA																
NOTE: MOUNT SOLID STATE TVSS DEVICE TO SIDE OF PANEL AND WIRE THROUGH SPARE BREAKER PROVIDED. UNIT SHALL BE APT MODEL TE/2000PG OR EQUAL.															MAIN BREAKER 10,000 A.I.C. BRANCH BREAKERS 10,000 A.I.C														



FIRST FLOOR PIPING PLAN
SCALE: 3/8" = 1'-0"

- NOTES**
- Ⓐ REPLACE EXISTING RATE FLOW CONTROLLER AND BUTTERFLY VALVE WITH NEW RATE OF FLOW CONTROLLER AND 4" BUTTERFLY VALVE
 - Ⓑ REPLACE INTERNAL COMPONENTS OF OLD LOSS OF HEAD AND RATE OF FLOW CONTROLLERS WITH NEW LED INDICATORS

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NO.	DESCRIPTION	DATE	BY

GRW PROJECT NO. 7385

**WATER TREATMENT PLANT EXPANSION
LOBELVILLE, TENNESSEE
REHABILITATION & UPGRADE
FILTERS AND PIPE GALLERY ELECTRICAL**

DESIGNED: KRS
DRAWN: CAM
REVIEWED: CAM, KRS
APPROVED: JWH

DATE: DECEMBER, 1998
SCALE: 3/8" = 1'-0"
SHEET NO. E-2

GRW Engineers, Inc.
Engineers, Architects, Planners
LEXINGTON LOUISVILLE NASHVILLE INDIANAPOLIS