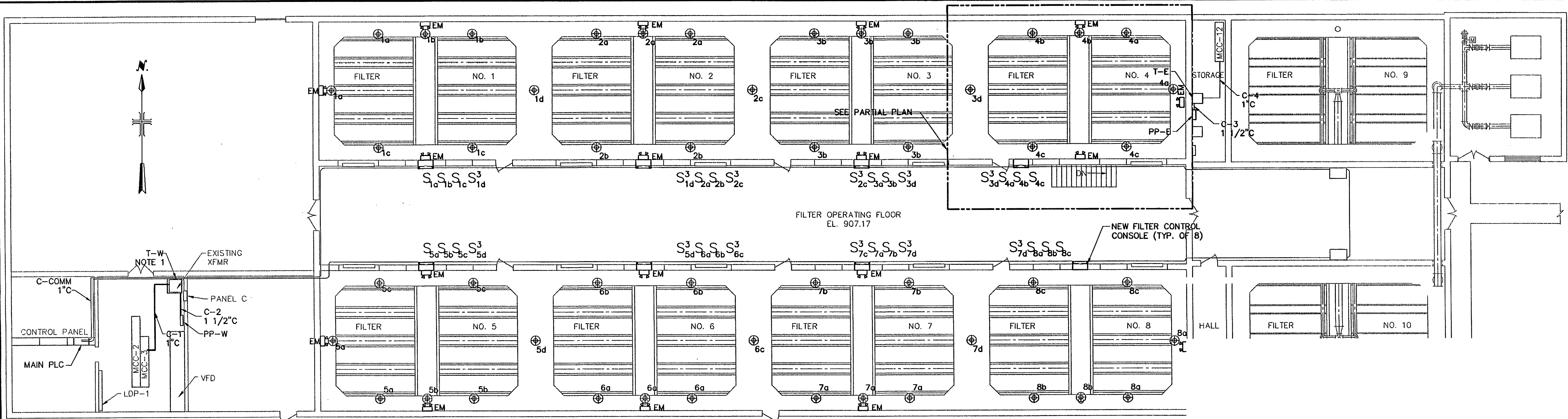


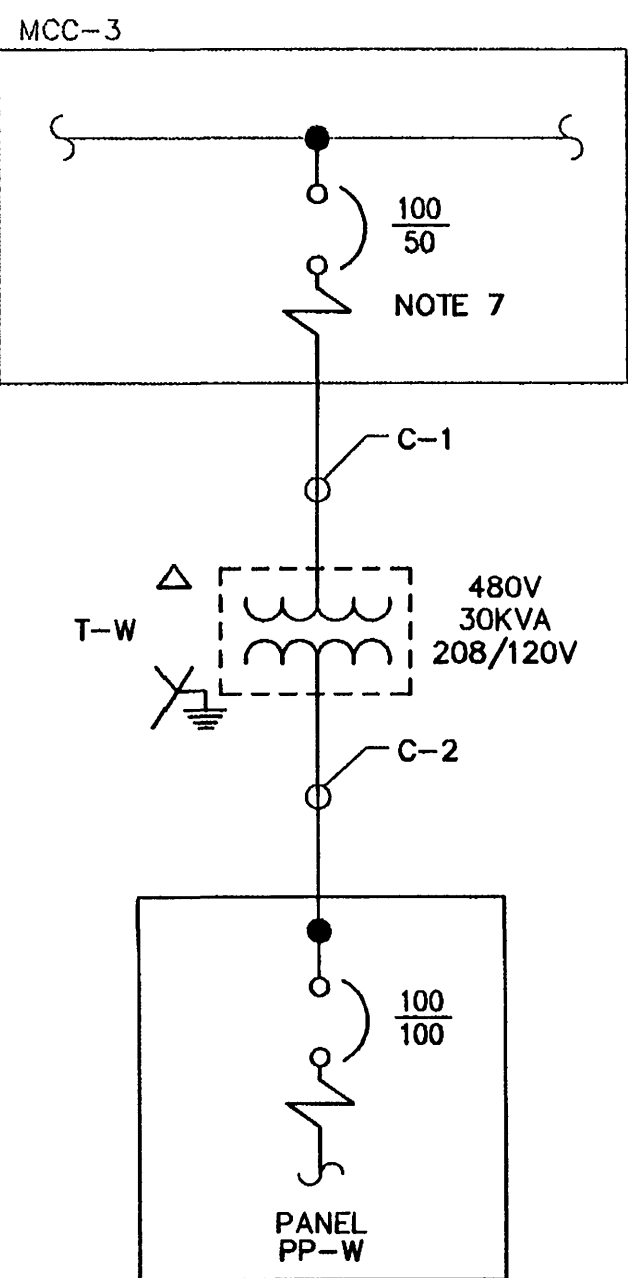


PLAN @ EL. 920.0±

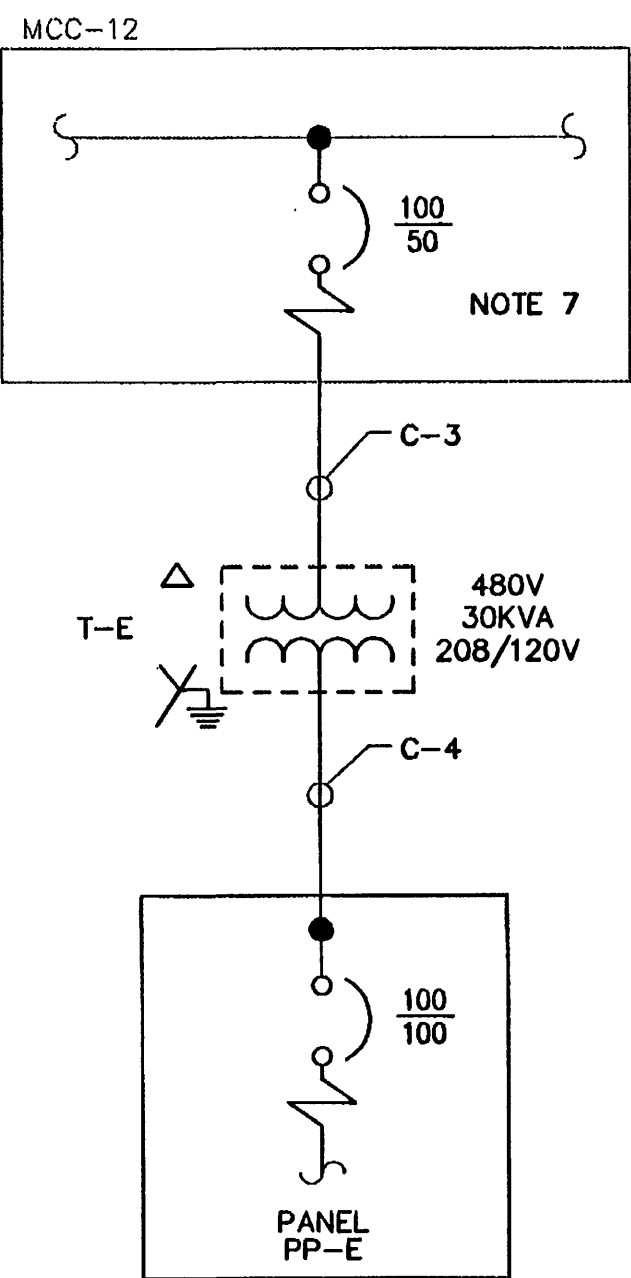
SCALE: 3/32" = 1'-0"
NOTE 2

NOTES:

1. MOUNT TRANSFORMER T-W ON WALL BELOW THE EXISTING TRANSFORMER.
2. THE PARTIAL PLAN SHOWS FILTER NO. 4 BUT IS TYPICAL FOR ALL EIGHT FILTERS. THE FIRST NUMBER OF THE CONDUIT NUMBER IDENTIFIES THE FILTER INVOLVED.
3. THE PLC COMMUNICATION CONDUIT AND CABLE (C-COMM) SHALL BE RUN IN THE LOWER LEVEL PIPE GALLERY. THE CONDUITS SHALL BE RUN INTO AND OUT OF THE OPENING BELOW EVERY FILTER PANEL EVEN IF THE FILTER IS NOT BEING REBUILT. LEAVE AT LEAST SIX FEET OF CABLE COILED UP IN THE WIRE PASSAGE OF EACH FILTER NOT BEING REBUILT, FOR FUTURE CONNECTION.
4. THE PLCs IN FILTERS 9 AND 10 SHALL BE CONVERTED TO REMOTE I/O RACKS TO MATCH FILTERS 1 THROUGH 8 AFTER ALL FILTERS BEING REBUILT AT THIS TIME ARE COMPLETE.
5. ALL CONDUITS ENTERING THE NEW FILTER CONTROL PANELS SHALL BE FILLED WITH EXPANDING FOAM TO SEAL OUT VAPORS.
6. THE EXISTING WIRING FOR THE CONTROL OF THE BACKWASH PUMPS AND FLOW CONTROL VALVE SHALL BE SAVED AND CONNECTED TO THE NEW FILTER CONTROL PANELS FOR MANUAL OPERATION.

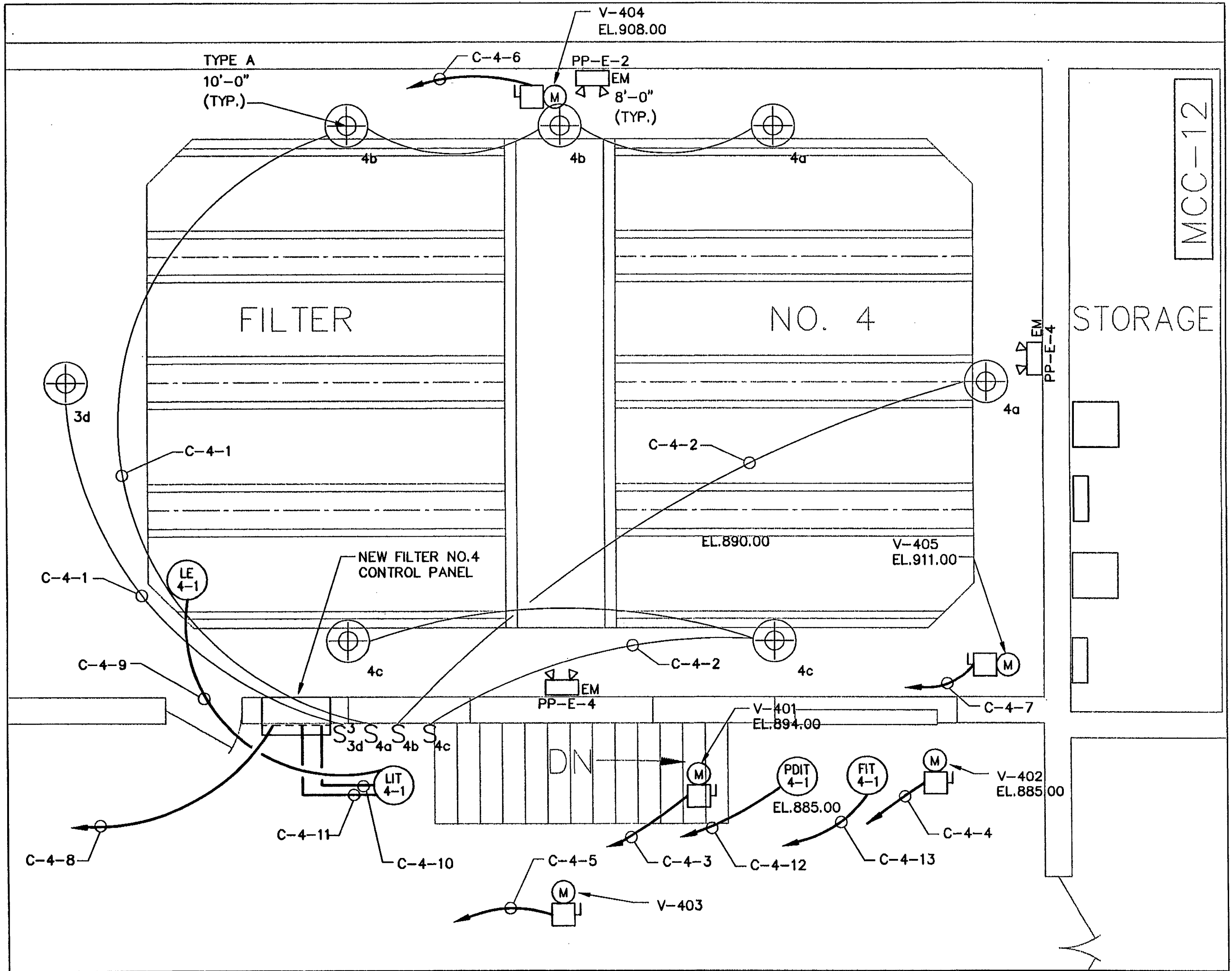


SINGLE LINE PP-W
PANEL SCHEDULE ON SHEET E-1



SINGLE LINE PP-E
PANEL SCHEDULE ON SHEET E-1

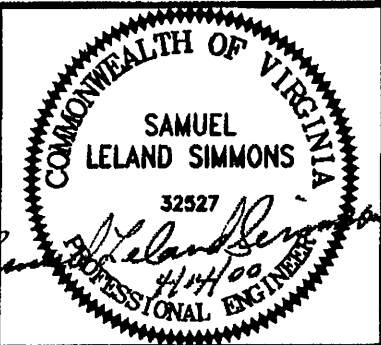
LIGHTING FIXTURE SCHEDULE				
TYPE	MFG. & CATALOG NO.	MOUNTING	LAMP	REMARKS
A	HOLOPHANE VANTAGE VA-250HP-12-W-BT	PENDANT	250W SODIUM	WATER TIGHT, HEAVY DUTY FIXTURE, UL-1572 OR EQUAL.
EM	HOLOPHANE CORTEZ A4 SERIES C4CT-36-W-WB-2-BD OR EQUAL	WALL	HALOGEN	EMERGENCY LIGHT - WITH TWO 12 WATT THERMO-PLASTIC HEADS, MAINTENANCE FREE SEALED LEAD CALCIUM BATTERY, LOW VOLTAGE CUT-OFF, 12 VOLT SOLID STATE CHARGER, TEST SWITCH, BATTERY DIAGNOSTICS, FOR 120 VOLT OPERATION OR EQUAL.



PARTIAL PLAN
(TYPICAL FOR OTHER FILTERS)
SCALE: 1/4" = 1'-0"
SEE NOTE 2

**MALCOLM
PIRNIE**

Independent Environmental
Engineers, Scientists & Consultants
11832 Rock Landing Drive, Suite 400
Newport News, Virginia 23606



REVISIONS			
NO.	BY	DATE	REMARKS

DES --- SLS ---
DWN --- JLC ---
CKD --- SLS ---



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

EFFLUENT FILTERS

PLAN

SCALE: AS NOTED

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DATE --- APRIL 2000 ---
E SHEET 2 OF 2 ---
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