



NUMBERED NOTES

- ① GUTH #ACS6763/120/EG/0', OR EQUAL, SURFACE MOUNTED LIGHT FIXTURE COMPLETE W/ OF BALLAST & 4-40W-T12-CW LAMPS.
- ② GUTH #ACS6762/120/EG/0', OR EQUAL, SURFACE MOUNTED LIGHT FIXTURE COMPLETE W/ OF BALLAST & 2-40W-T12-CW LAMPS.
- ③ STONCO #WPC70LXL-PCB, OR EQUAL, COMPLETE W/ 1-70W-E17-CLEAR LAMP & PHOTOCONTROL. MOUNT AT 84"
- ④ POWER DISTRIBUTION CENTER FURNISHED W/ U.V. DISINFECTION UNIT. INSTALL & MAKE CONNECTIONS
- ⑤ UV DISCONNECT SWITCH. SEE SCHEMATIC DIAGRAM.
- ⑥ 2" GALVANIZED RIGID STEEL CONDUIT FROM RBC BUILDING FOR SIGNAL WIRING
- ⑦ 4-1/C-#3/0, 1-1/C-#2 COPPER GROUND, 2" SCHEDULE 80 PVC FROM EXISTING RBC BUILDING TO NEW UV BUILDING
- ⑧ MOTORIZED DAMPER BY MECH. CONTR. 120VAC. WIRED BY ELECT. CONTR. TYPICAL. SEE EXHAUST FAN, EF-2 SCHEMATIC
- ⑨ CAST CONDUIT INTO FLOOR SLAB TO AVOID TROLLEY RAILS. SEE SCHEMATIC FOR WIRING REQUIREMENTS
- ⑩ MAKE CONNECTION USING LIQUID-TIGHT FLEXIBLE CONDUIT WITH INTERNAL GROUND CONDUCTOR
- ⑪ UV INTENSITY SENSOR. CONFIRM EXACT CONNECTION POINT
- ⑫ UV SYSTEM SIGNAL WIRING. CONFIRM EXACT CONNECTION POINT
- ⑬ THERMOSTAT. 2-1/C-#14-1/2" TO UNIT HEATER. TYPICAL
- ⑭ UNIT HEATER BY MECH. CONTR. WIRED BY ELECT. CONTR. 2-1/C-#12-1/2" TO UVPP-16 VIA DISCONNECT
- ⑮ EXHAUST FAN EF-1 BY MECH. CONTR. 1/6hp AT 120VAC. WIRED BY ELECT. CONTR. 2-1/C-#12-1/2" TO UVPP-19
- ⑯ EXHAUST FAN EF-2 BY MECH. CONTR. 2hp AT 480V-3φ. WIRED BY ELECT. CONTR. SEE EXHAUST FAN EF-2 SCHEMATIC
- ⑰ EXHAUST FAN EF-2 THERMOSTAT. SEE SCHEMATIC
- ⑱ UNIT HEATER DISCONNECT. 2-1/C-#12-1/2" TO ASSOCIATED UNIT HEATER
- ⑲ THERMOSTAT BY ELECT. CONTR. TYPICAL
- ⑳ ROUTE CONDUIT ALONG WALL, NEAR CEILING TO AVOID TROLLEY RAILS
- ㉑ 1-2/C-SIGNAL-1/2" FROM FLOWMETER ENCLOSURE TO UV CONTROLLER
- ㉒ RECORDER. 2-1/C-#12-1/2" TO FLOW TRANSMITTER ENCLOSURE. 1-2/C-SIGNAL-1/2" TO FLOW TRANSMITTER
- ㉓ FLOW TRANSMITTER ENCLOSURE. 2-1/C-#12 TO PP-8 FOR POWER.
- ㉔ FLOW TRANSMITTER SENSOR & TEMP COMPENSATION. SEE DETAILS.
- ㉕ STUB CONDUIT FROM RBC BUILDING INTO 8"x8"x8" NEMA 1 GALVANIZED JUNCTION BOX.

DISINFECTION BUILDING ELECTRICAL PLAN

SCALE: 3/8"=1'-0"



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I hereby certify that this report, plan, or specification was prepared by me or under my direct supervision and I am a duly registered Professional Engineer under the laws of the State of Minnesota
 Date: 16 AUG 93 Registration No.: 9955

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REVISIONS	DATE	DESCRIPTION	DESIGNED PFK	CHECKED PFK	DRAWN DTB/TLH

CITY OF ELK RIVER	
WASTEWATER TREATMENT PLANT U.V. DISINFECTION	
DISINFECTION BUILDING ELECTRICAL PLAN	
DATE AUG 1993	SHEET 11 OF 14 SHEETS
PROJECT NO. 230-137-20	