

CONDUIT AND WIRE SCHEDULE				
CONDUIT NO	CONDUIT SIZE	CONDUCTOR	FROM	DESTINATION
P101	2"	4#2/0, 1#6 GND	JUNCTION BOX (EXISTING CONDUCTORS)	MAIN DISTRIBUTION PANEL, MDP-BB
P102	1-1/4"	3#4, 1#8 GND	MDP-BB CKT #1	TRANSFORMER T-BB
P103	2"	4#1/0, 1#8 GND	TRANSFORMER T-BB	PANELBOARD LP-BB
P104	3/4"	3#12, 1#12 GND	MDP-BB CKT #2	EXISTING OVERHEAD DOOR OPERATOR
P105	3/4"	3#12, 1#12 GND	MDP-BB CKT #3	EXISTING OVERHEAD DOOR OPERATOR
P106	1/2"	2#12, 1#12 GND	MDP-BB CKT #4	EXISTING 277V LIGHTING CKT
P107	1/2"	2#12, 1#12 GND	MDP-BB CKT #5	EXISTING 277V LIGHTING CKT
P108	1/2"	2#12, 1#12 GND	DECHLORINATION CONTROL PANEL (OCP)	DECHLORINATION CONTROL PANEL (OCP)
P109	1/2"	2#12, 1#12 GND	DECHLORINATION CONTROL PANEL (OCP)	DECHLORINATION CONTROL PANEL (OCP)
P110	1/2"	2#12, 1#12 GND	DECHLORINATION CONTROL PANEL (OCP)	DECHLORINATION CONTROL PANEL (OCP)
P111	1/2"	2#12, 1#12 GND	DECHLORINATION CONTROL PANEL (OCP)	DECHLORINATION CONTROL PANEL (OCP)
P112	1/2"	2#12, 1#12 GND	DECHLORINATION CONTROL PANEL (OCP)	DECHLORINATION CONTROL PANEL (OCP)
P113	1/2"	2#12, 1#12 GND	DECHLORINATION CONTROL PANEL (OCP)	DECHLORINATION CONTROL PANEL (OCP)
P114	3/4"	2#10, 1#10 GND	PANELBOARD LP-BB CKT. #15	RELOCATED TRUCK SCALE
P115	3/4"	2#10, 1#10 GND	PANELBOARD LP-BB CKT. #19	RELOCATED TRUCK SCALE HEATER
P116	1/2"	2#12, 1#12 GND	PANELBOARD LP-BB CKT. #21	CIRCULATING PUMP CP-2
P117	1/2"	2#12, 1#12 GND	DECHLORINATION CONTROL PANEL (OCP)	DECHLORINATION CONTROL PANEL (OCP)
P118	1/2"	2#12, 1#12 GND	DECHLORINATION CONTROL PANEL (OCP)	DECHLORINATION CONTROL PANEL (OCP)
P119	1/2"	2#12, 1#12 GND	DECHLORINATION CONTROL PANEL (OCP)	DECHLORINATION CONTROL PANEL (OCP)

CONDUIT AND WIRE SCHEDULE				
CONDUIT NO	CONDUIT SIZE	CONDUCTOR	FROM	DESTINATION
C101	3/4"	8#14	SODIUM BISULFITE FEED PUMP DEC-1	DECHLORINATION CONTROL PANEL (OCP)
C102	3/4"	8#14	SODIUM BISULFITE FEED PUMP DEC-2	DECHLORINATION CONTROL PANEL (OCP)
C103	3/4"	8#14	SODIUM BISULFITE FEED PUMP DEC-3	DECHLORINATION CONTROL PANEL (OCP)
C104	3/4"	8#14	SODIUM BISULFITE FEED PUMP DEC-4	DECHLORINATION CONTROL PANEL (OCP)
C105	3/4"	8#14	SODIUM BISULFITE FEED PUMP DEC-5	DECHLORINATION CONTROL PANEL (OCP)
C106	3/4"	8#14	SODIUM BISULFITE FEED PUMP DEC-6	DECHLORINATION CONTROL PANEL (OCP)
C107	NOT USED			
C108	NOT USED			
C109	NOT USED			
C110	NOT USED			
C111	NOT USED			
C112	NOT USED			
C113	1/2"	2#14	FS-728A	DECHLORINATION CONTROL PANEL (OCP)
C114	1/2"	2#14	FS-729A	DECHLORINATION CONTROL PANEL (OCP)
C115	3/4"	10#14	CV-728 (ZIC-728)	DECHLORINATION CONTROL PANEL (OCP)
C116	NOT USED			
C117	1/2"	2#14	FS-720A	DECHLORINATION CONTROL PANEL (OCP)
C118	1/2"	2#14	FS-720B	DECHLORINATION CONTROL PANEL (OCP)
C119	NOT USED			
C120	1/2"	2#14	STROBE LIGHT	BISULFITE FILL PANEL (BFP)
C121	1/2"	2#14	ALARM HORN	BISULFITE FILL PANEL (BFP)
C122	3/4"	16#14	BISULFITE FILL PANEL (BFP)	DECHLORINATION CONTROL PANEL (OCP)
S101	3/4"	(2) 2C#16 TWS	SODIUM BISULFITE FEED PUMP DEC-1	DECHLORINATION CONTROL PANEL (OCP)
S102	3/4"	(2) 2C#16 TWS	SODIUM BISULFITE FEED PUMP DEC-2	DECHLORINATION CONTROL PANEL (OCP)
S103	3/4"	(2) 2C#16 TWS	SODIUM BISULFITE FEED PUMP DEC-3	DECHLORINATION CONTROL PANEL (OCP)
S104	3/4"	(2) 2C#16 TWS	SODIUM BISULFITE FEED PUMP DEC-4	DECHLORINATION CONTROL PANEL (OCP)
S105	3/4"	(2) 2C#16 TWS	SODIUM BISULFITE FEED PUMP DEC-5	DECHLORINATION CONTROL PANEL (OCP)
S106	3/4"	(2) 2C#16 TWS	SODIUM BISULFITE FEED PUMP DEC-6	DECHLORINATION CONTROL PANEL (OCP)
S107	NOT USED			
S108	NOT USED			
S109	3/4"	2C#16 TWS	FI-727A	DECHLORINATION CONTROL PANEL (OCP)
S110	3/4"	2C#16 TWS	FI-727B	DECHLORINATION CONTROL PANEL (OCP)
S111	3/4"	2C#16 TWS	TE/FIT-720A	DECHLORINATION CONTROL PANEL (OCP)
S112	3/4"	CABLE(S) FWE	LE-720A	DECHLORINATION CONTROL PANEL (OCP)
S113	3/4"	CABLE(S) FWE	LE-720B	DECHLORINATION CONTROL PANEL (OCP)
S114	3/4"	2C#16 TWS	LI-720A	DECHLORINATION CONTROL PANEL (OCP)
S115	3/4"	2C#16 TWS	LI-720B	DECHLORINATION CONTROL PANEL (OCP)
S116	3/4"	2C#16 TWS	FI-727C	DECHLORINATION CONTROL PANEL (OCP)
S117	3/4"	2C#16 TWS	FI-727D	DECHLORINATION CONTROL PANEL (OCP)
S118	3/4"	2C#16 TWS	FI-727E	DECHLORINATION CONTROL PANEL (OCP)
S119	3/4"	2C#16 TWS	FI-727F	DECHLORINATION CONTROL PANEL (OCP)

**NOTES:**

- FOR LEGEND AND GENERAL NOTES, REFER TO DRAWING E-1.
- ALL MOTOR FEEDER WIRING ORIGINATING FROM VARIABLE FREQUENCY DRIVE (VFD) PANELS SHALL BE INSTALLED IN RIGID GALVANIZED STEEL (RGS) CONDUIT OR PVC-COATED RIGID STEEL CONDUIT, IN ACCORDANCE WITH THE NEMA CLASSIFICATIONS INDICATED ON DRAWING E-1.
- ALL INSTRUMENTATION SIGNAL CABLES (IN CONDUITS WITH "S" NUMBERS) SHALL BE INSTALLED IN RIGID GALVANIZED STEEL CONDUIT, IN ACCORDANCE WITH THE NEMA CLASSIFICATIONS INDICATED ON DRAWING E-1. REFER TO SPECIFICATION SECTION 16050 FOR FURTHER INFORMATION.

PORTLAND WATER DISTRICT <b>PORTLAND, MAINE</b> EAST END WWTF DISINFECTION AND DECHLORINATION SYSTEMS UPGRADE  <b>CONDUIT AND WIRING SCHEDULE</b>	 <b>Wright-Pierce</b> Offices throughout New England www.wright-pierce.com	DRAWN BY SJM CHECKED BY DWL/PFB DATE 2-18-05 APPROVED BY DWL/PFB DATE 2-18-05 BOOK NO. - PROJECT NO. 10301C SCALE AS NOTED	NO REVISIONS APP'D DATE PROGRESS PRINTS ISSUED FOR REVIEW: 12-15-04 ISSUED FOR BIDDING: 2-18-05 FILENAME:
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