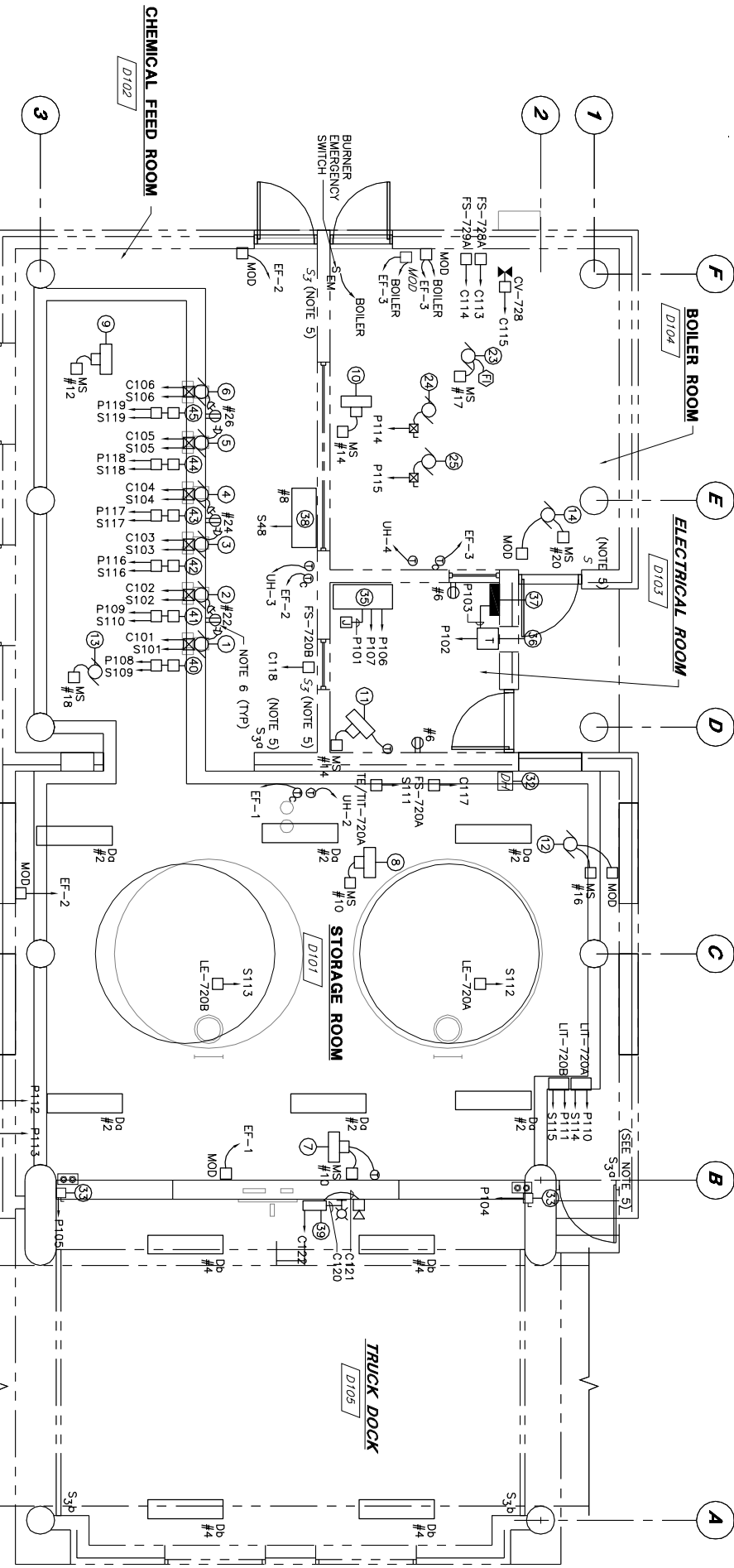


**BISULFITE BUILDING -  
ELECTRICAL DEMOLITION PLAN**  
(FORMER CHLORINATION BUILDING)  
(FORMER CHLORINATION BUILDING)



**BISULFITE BUILDING -  
DEMOLITION AND MODIFICATION PLAN**  
(FORMER CHLORINATION BUILDING)


- GENERAL DEMOLITION NOTES:**
1. THE EXISTING ELECTRICAL DRAWINGS FOR THIS PROJECT ARE BASED ON INFORMATION PRESENTED IN THE AS-BUILT CONTRACT DRAWINGS PROVIDED FOR THIS PROJECT. GENERAL CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS AND ELEVATIONS AND NOTIFY THE ENGINEER OF ANY DISCREPANCIES.
  2. FIELD VERIFY ALL CONDITIONS AFFECTING THE WORK PRIOR TO CONSTRUCTION AND NOTIFY THE ENGINEER OF ANY DISCREPANCIES.
  3. PROTECT ALL EXISTING ITEMS AND EQUIPMENT ADJACENT TO THE WORK AREA. ALL EXISTING ITEMS, EQUIPMENT AND MATERIALS DAMAGED OR AFFECTED BY THE WORK SHALL BE REPAIRED OR REPLACED AT NO ADDITIONAL COST TO THE OWNER.
  4. THE TREATMENT FACILITY WILL REMAIN IN OPERATION DURING THE CONSTRUCTION OF THE PROJECT. THE CONTRACTOR WILL COORDINATE THE DEMOLITION AND CONSTRUCTION WITH THE OWNER'S REQUIREMENTS TO MAINTAIN PLANT OPERATION.
  5. PROVIDE ALL TEMPORARY BRACING REQUIRED AND SUPPORT ALL ITEMS AND EQUIPMENT ADJACENT TO THE WALLS WHICH ARE DESIGNATED TO BE REMOVED. REINSTALL ALL ITEMS AFTER THE NEW WALLS ARE COMPLETED.
  6. PATCH, REPAIR AND REFINISH ALL EXISTING SURFACES AFFECTED BY THE WORK, TO THE SATISFACTION OF THE ENGINEER.
  7. REMOVE, REINSTALL OR REPLACE ALL MISCELLANEOUS ITEMS MOUNTED TO THE WALLS DESIGNATED TO BE REMOVED OR RENOVATED.
  8. ALL ITEMS SHOWN ON THE PLANS WITH SHADING, ALONG WITH ASSOCIATED DEVICES, CONDUIT, PIPING AND WIRING TO BE REMOVED OR RENOVATED AS INDICATED. THE OWNER RESERVES THE RIGHT TO RETAIN ANY EQUIPMENT OR MATERIALS. THE CONTRACTOR WILL STORE ON SITE AND PROTECT SUCH ITEMS IN A MANNER ACCEPTABLE TO THE OWNER AND ENGINEER. ALSO REFER TO THE STRUCTURAL, MECHANICAL, PROCESS AND ELECTRICAL DRAWINGS FOR A COMPLETE REQUIREMENT OF DEMOLITION WORK FOR THIS PROJECT.

**NOTES:**

1. FOR LEGEND AND GENERAL NOTES REFER TO DRAWING E-1.
2. FOR GENERAL DEMOLITION NOTES, REFER TO THIS DRAWING.
3. RELOCATE AND REINSTALL DISCONNECT SWITCHES AND PUSHBUTTONS FOR OVERHEAD DOORS AS REQUIRED, TO AVOID INTERFERENCE WITH NEW WALL, PUSHBUTTONS SHALL BE INSTALLED IN ACCESSIBLE LOCATION AT ENTRANCE TO STORAGE ROOM, AND RECONNECTED TO CONTROL WIRING.
4. CIRCUIT NUMBERS SHOWN ON THIS DRAWING REFER TO NEW PANELBOARD LP-BB, FOR PANELBOARD SCHEDULE, REFER TO DRAWING E-3.
5. EXISTING LIGHT SWITCHES SHALL BE INTERLOCKED WITH NEW INTERMITTENT VENTILATION EXHAUST FANS AS NOTED IN SEQUENCE OF OPERATION ON DRAWING H-3, AND AS SHOWN IN TYPICAL SCHEMATIC DIAGRAM FOR THESE FANS. PROVIDE RELAY WITH CORRECT COIL VOLTAGE FOR ASSOCIATED LIGHT CIRCUIT, INSTALLED IN NEMA 4X JUNCTION BOX. RELAYS SHALL HAVE 30 AMP CONTACT RATING, PROVIDE ALL NECESSARY CONDUIT AND WIRING TO INTERLOCK LIGHT SWITCHES WITH FANS AS NOTED.
6. RECEPTACLES FOR CHEMICAL FEED PUMPS DEC-1 THROUGH DEC-6 SHALL BE WEATHERPROOF-WHILE-IN-USE TYPE.

**EQUIPMENT LEGEND**

- |   |  |
|---|--|
| 1 SODIUM BISULFITE FEED PUMP DEC-1  | 24 RELOCATED TRUCK SCALE CONTROL PANEL                     |
| 2 SODIUM BISULFITE FEED PUMP DEC-2  | 25 MAIN DISTRIBUTION PANEL MDP-BB                          |
| 3 SODIUM BISULFITE FEED PUMP DEC-3  | 26 TRANSFORMER T-BB  |
| 4 SODIUM BISULFITE FEED PUMP DEC-4  | 27 PANELBOARD LP-BB  |
| 5 SODIUM BISULFITE FEED PUMP DEC-5  | 28 DECHLORINATION CONTROL PANEL (OCP)                      |
| 6 SODIUM BISULFITE FEED PUMP DEC-6  | 29 BISULFITE FILL PANEL (BFP), ALARM HORN AND STROBE LIGHT |
| 7 UNIT HEATER UH-1  | 30 FE/FT-727A  |
| 8 UNIT HEATER UH-2  | 31 FE/FT-727B  |
| 9 UNIT HEATER UH-3  | 32 FE/FT-727C  |
| 10 UNIT HEATER UH-4   | 33 FE/FT-727D  |
| 11 UNIT HEATER UH-5   | 34 FE/FT-727E  |
| 12 EXHAUST FAN EF-1 (NOTE 5)  | 35 FE/FT-727F  |
| 13 EXHAUST FAN EF-2 (NOTE 5)  |  |
| 14 EXHAUST FAN EF-3 (NOTE 5)  |  |
| 15 EXHAUST FAN SCALE ROOM TO BE REMOVED   |  |
| 16 EXHAUST FAN CHLORINATION ROOM TO BE REMOVED                                    |  |
| 17 ELECTRIC BOILER TO BE REMOVED  |  |
| 18 CHLORINATOR (TYP 3) TO BE REMOVED  |  |
| 19 EVAPORATOR (TYP 2) TO BE REMOVED   |  |
| 20 SCALE (TYP 3) TO BE REMOVED  |  |
| 21 C2 GAS LEAK DETECTOR/ALARM PANEL TO BE REMOVED                                 |  |
| 22 MANUAL POWER SUPPLY DISCONNECT SWITCH TO BE REMOVED                            |  |
| 23 BOILER BLR-1   |  |
| 24 CIRCULATING PUMP CP-1  |  |
| 25 CIRCULATING PUMP CP-2  |  |
| 26 LIGHTING FIXTURE (TYP) TO BE REMOVED   |  |
| 27 MOTOR CONTROL CENTER MCC-CBT TO BE REMOVED                                     |  |
| 28 FAN SWITCHES (TYP) TO BE REMOVED   |  |
| 29 CONTROL PANEL (TYP) TO BE REMOVED  |  |
| 30 ELECTRIC UNIT HEATER (TYP) TO BE REMOVED                                       |  |
| 31 GAS DETECTOR (TYP) TO BE REMOVED   |  |
| 32 DATA HIGHWAY JUNCTION BOX TO REMAIN  |  |
| 33 OVERHEAD DOOR OPERATOR DISCONNECT SWITCH AND CONTROLS (TYP) TO REMAIN (NOTE 5) |  |

<p>PORTLAND WATER DISTRICT PORTLAND, MAINE <b>EAST END WWTF DISINFECTION AND DECHLORINATION SYSTEMS UPGRADE</b></p> <p>NEW BISULFITE BUILDING DEMOLITION AND MODIFICATION PLANS</p>	 <p><b>Wright-Pierce</b> Offices throughout New England www.wright-pierce.com</p>	<p>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</p>	<p>NO</p> <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th>REVISIONS</th> <th>APP'D</th> <th>DATE</th> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> </table>	REVISIONS	APP'D	DATE										<p>PROGRESS PRINTS</p> <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td>ISSUED FOR REVIEW: 12-15-04</td> <td>FF 58</td> </tr> <tr> <td>ISSUED FOR BIDDING: 2-18-05</td> <td></td> </tr> <tr> <td>MULTI LOCATION:</td> <td></td> </tr> <tr> <td>LAST WORKED ON:</td> <td></td> </tr> <tr> <td>FILENAME:</td> <td></td> </tr> </table>	ISSUED FOR REVIEW: 12-15-04	FF 58	ISSUED FOR BIDDING: 2-18-05		MULTI LOCATION:		LAST WORKED ON:		FILENAME:	
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