

PARTIAL SINGLE LINE DIAGRAM
NTS

| | | | | | | | | |
|----|----|----|----|----|----|----|----|----|
| 1A | 2A | 3A | 4A | 5A | 6A | 7A | 8A | 9A |
| | | 3C | | | | 7C | 8A | |
| 1D | 2E | 3E | | | 6E | 7L | 7R | 8L |
| | | 3G | | | 6K | 7L | 7R | 8L |
| 1H | | 3H | | | | 7L | 7R | 8L |
| | | 3J | | | | 7M | 8M | |

EXISTING MCC-PB-1 ELEVATION - DEMOLITION
NTS

| | | | | | | | | |
|----|----|----|----|----|----|----|----|----|
| 7A | 2A | 3A | 4A | 5A | 6A | 7A | 8A | 9A |
| 1B | 2C | 3C | | | 6C | 7C | 8A | |
| 1C | 2E | 3E | | | 6E | 7E | 8E | |
| 1D | 2C | 3G | | | 6G | 7L | 7R | 8L |
| 1H | 2J | 3H | | | 6K | 7L | 7R | 8L |
| 1K | 2J | 3J | | | | 7L | 7R | 8L |
| 1L | 2L | 3L | | | | 7M | 8M | |
| 1M | 2L | 3L | | | | 7N | 8N | |

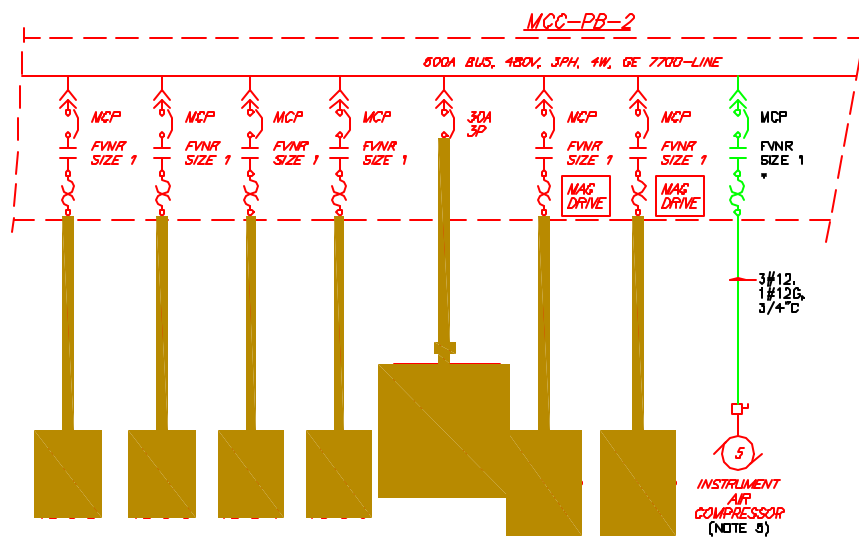
EXISTING MCC-PB-1 ELEVATION - MODIFICATIONS
NTS

| | | |
|---------------|----|---|
| INC. LINE | 1 | 2 |
| 1A | 2A | |
| 1B | 2B | |
| SPACE | 2C | |
| 1E | 2E | |
| STEP SCREEN A | 2E | |
| 1J | 2J | |
| STEP SCREEN B | 2J | |

NEW MCC-PB-1A ELEVATION
NTS

NOTES:

- FOR LEGEND AND GENERAL NOTES, SEE DRAWING E-1.
- EQUIPMENT INDICATED WITH SHADING SHALL BE DISCONNECTED AND REMOVED, ALONG WITH ALL ASSOCIATED DEVICES, WIRING, AND EXPOSED CONDUIT.
- NEW MOTOR CONTROL CENTER UNITS SHALL BE COMPATIBLE WITH EXISTING GENERAL ELECTRIC 7700-LINE MCC.
- EXISTING SCREENING AND RELATED EQUIPMENT SHALL BE REFERED FROM MCC-PB-1 AND MCC-PB-1A, AS INDICATED. EXISTING "WET-OX" MCC SHALL BE DEMOLISHED. MOTOR STARTER AND FEEDER UNITS SHALL BE RELOCATED TO MCC-PB-1 AND MCC-PB-1A. ALL ASSOCIATED POWER AND CONTROL WIRING AND CONDUIT SHALL BE INSTALLED NEW, FROM EXISTING JUNCTION BOX ON FIRST FLOOR OF PROCESS BUILDING TO MCC-PB-1 AND MCC-PB-1A, AS APPLICABLE. REFER TO ELECTRICAL PLANS FOR EQUIPMENT LOCATIONS. CONTRACTOR SHALL VERIFY ALL EXISTING EQUIPMENT, CONDUIT, AND WIRING BEFORE COMMENCING WORK.
- EXISTING INSTRUMENT AIR COMPRESSOR SHALL BE REFERED FROM MCC-PB-2, AS INDICATED. MOTOR STARTER IN EXISTING "WET-OX" MCC SHALL BE RELOCATED TO MCC-PB-2. ASSOCIATED POWER AND CONTROL WIRING AND CONDUIT SHALL BE INSTALLED NEW, FROM AIR COMPRESSOR TO MCC-PB-2. REFER TO ELECTRICAL PLANS FOR EQUIPMENT LOCATIONS. CONTRACTOR SHALL VERIFY ALL EXISTING EQUIPMENT, CONDUIT, AND WIRING BEFORE COMMENCING WORK.



PARTIAL SINGLE LINE DIAGRAM
NTS

| | |
|-------------|------------|
| PROJECT NO. | 2025-01 |
| DATE | 04-14-2025 |
| DESIGNED BY | ... |
| CHECKED BY | ... |
| APPROVED BY | ... |
| SCALE | AS NOTED |
| PROJECT NO. | 2025-01 |
| DATE | 04-14-2025 |
| DESIGNED BY | ... |
| CHECKED BY | ... |
| APPROVED BY | ... |
| SCALE | AS NOTED |

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PORTLAND WATER DISTRICT
PORTLAND, MAINE
PRIMARY SEDIMENTATION BASINS
UPGRADE WITH ODOR CONTROL FACILITIES
ELECTRICAL SINGLE LINE DIAGRAMS
AND DETAILS II

DWG E-4
67 OF 79