



- NOTES:**
- EXCEPTION TO STANDARD SYMBOLS: ALL PIPING SHOWN ON THIS DIAGRAM TO BE VENDOR SUPPLIED UNLESS OTHERWISE NOTED. LIMIT OF OWNER SUPPLIED PIPING DENOTED BY OWNER.
 - OWNER PIPING TO BE ENGINEERED BY BECHTEL AND SUPPLIED BY GRINNELL.
 - POSITIONABLE COMPONENTS FOR THIS SYSTEM ARE SHOWN IN AN ACCEPTABLE LINE-UP. THE ACTUAL FIELD LINE-UP MAY VARY AND IS CONTROLLED BY PROCEDURES.
 - FOR GENERAL NOTES, PIPING, SYMBOLS AND P & ID INDEX SEE DRAWING M-001.
 - FOR INSTRUMENTATION SYMBOLS SEE DRAWING M-002.
 - ISOLATION VALVES ARE PROVIDED FOR ALL INSTRUMENTS EXCEPT AS NOTED NV (NO VALVE). SEE INSTALLATION DRAWING M-552 FOR DETAILS.
 - UNLESS OTHERWISE NOTED ALL DRAIN CONNECTIONS ARE 1" AND VENT CONNECTIONS ARE 3/4". LINE IDENT. SAME AS HEADER.
 - ALL LOCAL ALARMS TO ANNUNCIATOR WINDOW 0-992 UNIT DEMIN. WATER TREATMENT SYSTEM TRBL - EXCEPT AFTER VALVE LV-6601A ON DEMIN. WATER STORAGE TANK WHICH ARE TO ANNUNCIATOR WINDOW 0-990 UNIT DEMIN. WATER STORAGE TANK TRBL.
 - DELETED.
 - THE CONNECTIONS SHOWN ARE FOR ISOLATION VALVES LEAK TEST.
 - FOR TYPICAL HEAT TRACING CIRCUIT, SEE PAID M-011 FOR HEAT TRACING INSTR. 8 DETAIL. SEE THERMON DWG. 75-258A.
 - DELETED.
 - THE ONLY VENT OR DRAIN LINE CAPS REQUIRED TO BE SHOWN ON PIPING AND INSTRUMENTATION DIAGRAMS ARE THOSE CONTROLLED UNDER DE-OP-0005 (FORMERLY ADVIS-03). THE ACTUAL TERMINATION OF ALL OTHER VENTS OR DRAINS ARE NOT SHOWN AND, INSTEAD, AN OPEN ENDED PIPE IS DISPLAYED.
 - FOR CHEMISTRY COMPUTER DATA ACQUISITION AND MANAGEMENT SYSTEM (CCDAMS) REFER TO DWG. E-926.
 - 1/4" THK. BLANK PLATE INSERTED BETWEEN FLANGES TO ISOLATE PRIMARY WATER FROM DEMIN. WATER SYSTEM. REFERENCE MOD 95-0035. PRIMARY WATER SYSTEM ABANDONED REFERENCE MOD 95-0050.
 - 1/4" THK. BLANK PLATE INSERTED BETWEEN FLANGES TO ISOLATE PRIMARY WATER SYSTEM FROM WASTE EVAPORATOR PIPING. REFERENCE MOD 95-0055.
 - WHERE NOTED THE TANK CAPACITY IS NOMINAL. WHERE APPLICABLE, SEE DB-PF-05705 (TANK LEVEL CALIBRATION CURVES) FOR INDICATED LEVEL VS. VOLUME RELATIONSHIP. (REF: PCAOR 96-0976).
 - VALVES PW17, PW31, PW34, PW36 & PW58 DISABLED IN THE CLOSED POSITION.

LR NOTES:

A. FOR GENERAL LICENSE RENEWAL NOTES, REFER TO LR-M0100-01

B. COMPONENTS LOCATED BEYOND THE HIGHLIGHTING ARE LOCATED IN THE TURBINE BUILDING, AND ARE THEREFORE NOT IN SCOPE.

LICENSE RENEWAL BOUNDARY DRAWING

LR-M0100 REV. 1

SYSTEMS SHOWN ON THIS DRAWING:
 13: COMPONENT CLEANING & DEMINERALIZED WATER STORAGE
 23: SAMPLING
 24: NONSAFETY AFFECTING SAFETY
 25: BORON RECOVERY

BECHTEL ASSOCIATES
PROFESSIONAL CORPORATION (OHIO)
 OAK RIDGE, MARYLAND

DAVIS-BESSE NUCLEAR POWER STATION
 UNIT NO. 1

THE TOLEDO EDISON COMPANY

PIPING & INSTRUMENT DIAGRAM
MAKE-UP WATER TREATMENT SYSTEM

JOB NO.	DRAWING NO.	REV.
12501	M-0100	40

THIS DRAWING REV. 0 SUPERSEDES IN PART DWG. M-0100 REV. 30. WORK THIS DWG. WITH M-0100.

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