



- GENERAL NOTES:**
- REFERENCE B & B V.D. 30371F.
 - SYSTEM FUNCTIONS SHOWN ARE FOR NORMAL OPERATION UNDER FULL LOAD.
 - FOR GENERAL NOTES, PIPING SYMBOLS, AND P.B. I.D. INDEX SEE DWG. M-001.
 - FOR INSTRUMENTATION SYMBOLS, SEE DWG. M-002.
 - DELETED.
 - UNLESS OTHERWISE NOTED, ALL DRAINS WILL BE 1" ALL VENTS 1/2" LINE IDENTIFICATION SAME AS HEADER.
 - DELETED.
 - FOR VALVES REFERENCING THIS NOTE, ONLY THE LOCAL HANDWHEELS AND LOCAL SUBSTATION STATIONS OF THESE VALVES ARE LOCKED. OPERATION FROM THE MAIN CONTROL ROOM IS NOT LOCKED.
 - DELETED.
 - FOR INSTALLATION AND MATERIALS DETAILS REFER TO DWG. 7749-N-284A.
 - FOR INSTALLATION AND MATERIALS DETAILS REFER TO DWG. 7749-N-284B.
 - THE SOLENOID VALVES SV-SP781-5 AND SV-SP781-6 ARE EQUIPPED WITH POSITION SWITCHES (ZS) TO PROVIDE LOCK AND SPRCS STATUS LIGHT INDICATION.
 - THE ONLY VENT OR DRAIN LINE CAPS REQUIRED TO BE SHOWN ON PIPING AND INSTRUMENTATION DIAGRAMS ARE THOSE CONTROLLED UNDER OPERATOR (FORMERLY ADVISORY). THE ACTUAL TERMINATION OF ALL OTHER VENTS OR DRAINS ARE NOT SHOWN AND INSTEAD, AN OPEN CROCK PIPE IS DISPLAYED.
 - AIR TO SHAFT SIDE OF ACTUATOR CLOSURES VALVE, VOLUME BOOSTERS, BYPASS VALVE, NEEDLE VALVES AND MUFFLES ASSOCIATED WITH THE ATMOSPHERIC VENT VALVE AIR SUPPLY ARE NOT SHOWN. SEE DRAWING 7749-N-307-1 FOR DETAILS OF THE AIR SUPPLY CONTROL SCHEMATIC.
 - THE TEST CONNECTION CAPS SHOWN ON THIS DWG. ARE THOSE CONTROLLED UNDER OPERATOR. VALVES AFFECTED ARE NS1 THRU NS4, NS6 THRU NS9, NS11 THRU NS18, FW180 THRU FW192.
 - FESP1A, FESP1B, PTPS1A AND PTPS1B (ZONES A-13, D-11, E-5 AND D-7) PROVIDE INPUT TO THE CALCON LPM CHECK PLUS SYSTEM IN CONTROL PANEL C5751E, WHICH GENERATES DATA FOR COMPUTER POINTS F080, F081, F082 AND F083. COMPUTER POINT ALARM AUTO AND CONTROL ROOM ANNUNCIATOR TO 4-A (NEW FLOW CALCON SYSTEM THROU) ARE BROUGHT IN BY A FAILURE OF THE CALCON LEFT CHECK PLUS SYSTEM TO PROVIDE ACCURATE FEEDWATER FLOW VALUES ASSOCIATED WITH COMPUTER POINTS F080, F081, F082 AND F083.

- LR NOTES:**
- FOR GENERAL LICENSE RENEWAL NOTES REFER TO LR-M001-01
 - PIPES GO THROUGH AUXILIARY BUILDING AND ENTER TURBINE BUILDING. THE PORTION IN THE AUXILIARY BUILDING IS IN SCOPE FOR A(2).
 - COMPONENTS HIGHLIGHTED GREEN BEYOND THE Q-BOUNDARIES ARE IN SCOPE FOR A(2)-FUNCTIONAL. THE MAIN FLOW PATH TO AND INCLUDING THE MAIN STARTUP CONTROL VALVES, AND BRANCH LINES TO AND INCLUDING THE FIRST VALVE, ARE IN SCOPE. COMPONENTS THAT ARE NOT HIGHLIGHTED ARE LOCATED IN THE TURBINE BUILDING, WHERE A(2) HAS CONSIDERATIONS ARE NOT A CONCERN, AND ARE THEREFORE NOT IN SCOPE.

LICENSE RENEWAL BOUNDARY DRAWING
LR-M007B REV. 2

SYSTEMS SHOWN ON THIS DRAWING:
 05: MAIN FEEDWATER
 06: AUXILIARY FEEDWATER
 09: MAIN STEAM
 23: SAMPLING

BECHTEL ASSOCIATES
 PROFESSIONAL CORPORATION (OHIO)
 5417 HERSHBURG, MARYLAND
DAVIS-BESSE NUCLEAR POWER STATION
 UNIT NO. 1
 THE TOLEDO EDISON COMPANY

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| PIPING & INSTRUMENT DIAGRAM | | |
| STEAM GENERATOR | | |
| SECONDARY SYSTEM | | |
| JOB NO. | DRAWING NO. | REV. |
| 12501 | M-007B | 55 |

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