



- LEGEND**
- HOSE REEL, HOSE RACK OR HOSE CABINET (2 1/2" SUPPLY)
 - HR-HOSE REEL
 - HR-HOSE RACK
 - HCS-HOSE CABINET (SURFACE MOUNTED)
 - HCR-HOSE CABINET (RECESSED)
 - C-NO. 2 1/2" F.D. HOSE CONNECTION IN STAIRWAY
 - DRY PIPE FUSED HEADS SPRINKLERS MANUAL VALVE
 - (V)-1/2" VENT
 - (D)-1" DRAIN
 - DELUGE VALVE
 - ALARM CHECK VALVE
 - AIR CHECK VALVE

- NOTES:**
1. OWNER PIPING TO BE ENGINEERED BY BECHTEL AND SUPPLIED BY GRINNELL.
 2. DELETED
 3. SYSTEM FUNCTIONS SHOWN ARE FOR NORMAL OPERATION UNDER FULL LOAD.
 4. FOR GENERAL NOTES, PIPING SYMBOLS AND P & ID INDEX SEE DWG. M-001.
 5. FOR INSTRUMENTATION SYMBOLS SEE DWG. M-002.
 6. IF F INDICATES THE LIMIT OF OPERATIONAL PHASE FIRE PROTECTION FOOT CATIONS.
 7. THE ONLY VENT OR DRAIN LINE CAPS REQUIRED TO BE SHOWN ON PIPING AND INSTRUMENTATION DIAGRAMS ARE THOSE CONTROLLED UNDER DB-OP-00009 (FORMERLY ADI 833-03). THE ACTUAL TERMINATION OF ALL OTHER VENTS OR DRAINS ARE NOT SHOWN AND INSTEAD, AN OPEN ENDED PIPE IS DISPLAYED.
 8. THE CAP AT THE END OF THE DRAIN LINE DOWNSTREAM OF FP157 HAS A 1/4" DIA. DRILLED HOLE.

LR NOTES:

A. FOR GENERAL LICENSE RENEWAL NOTES REFER TO LR-M001-01.

B. EVALUATION BOUNDARY ENDS AT AUXILIARY BUILDING WALL AS SHOWN ON M-0216E.

C. COMPONENTS HIGHLIGHTED GREEN ON THIS DRAWING ARE IN SCOPE FOR (A)3-FIRE PROTECTION. THE MAIN FLOW PATHS REQUIRED TO PERFORM THE (A)3 FUNCTION, AND BRANCH LINES TO AND INCLUDING THE FIRST VALVE, ARE IN SCOPE. COMPONENTS THAT ARE NOT HIGHLIGHTED ARE NOT LOCATED IN SAFETY-RELATED AREAS WHERE (A)2-NSAS CONSIDERATIONS ARE A CONCERN, AND ARE THEREFORE NOT IN SCOPE.

LR-M016B REV. 1

SYSTEMS SHOWN ON THIS DRAWING:
12: FIRE PROTECTION

BECHTEL ASSOCIATES
PROFESSIONAL CORPORATION (OHIO)
GAITHERSBURG, MARYLAND

DAVIS-BESSE NUCLEAR POWER STATION
UNIT NO. 1

THE TOLEDON EDISON COMPANY

PIPING & INSTRUMENTATION DIAGRAM
STATION FIRE PROTECTION SYSTEM

JOB NO.	DRAWING NO.	REV.
12501	M-016B	45

THIS DWG. REV. 0 SUPERSEDES IN PART DWG. M-016 REV. 27. WORK THIS DWG. WITH M-016A.

SCALE: NONE

DATE: 08-12-05

018017