TABLE 1	
ISIM DRAWING NUMBER	TITLE
ISIM2-200	INSERVICE INSPECTION ISOMETRIC DRAWING INDEX / LEGEND SHEET
ISIM2-203A	MAIN STEAM SYSTEM - CONTAINMENT BUILDING - STEAM GENERATOR 1-1
ISIM2-203B	MAIN STEAM SYSTEM - CONTAINMENT BUILDING - STEAM GENERATOR 1-2
ISIM2-203F	MAIN STEAM SYSTEM - SUPPLY TO AUX FEED PUMP TURBINE 1-1
ISIM2-203H	MAIN STEAM SYSTEM - SUPPLY TO AUX FEED PUMP TURBINE & EXHAUST
ISIM2-203J SH.1	MAIN STEAM SYSTEM - MAIN STEAM CROSSOVER
ISIM2-203J SH.2	MAIN STEAM SYSTEM - MAIN STEAM CROSSOVER
ISIM2-203K	MAIN STEAM SYSTEM - AUXILIARY FEED PUMP TURBINE EXHAUST
ISIM2-206F SH.1	AUXILIARY FEEDWATER SYSTEM - AUXILIARY FEED PUMP DISCHARGE TO STEAM GENERATOR
ISIM2-206F SH.2	AUXILIARY FEEDWATER SYSTEM - AUXILIARY FEED PUMP DISCHARGE TO STEAM GENERATOR
ISIM2-206F SH.3	AUXILIARY FEEDWATER SYSTEM - AUXILIARY FEED PUMP DISCHARGE TO STEAM GENERATOR
ISIM2-206F SH.4	AUXILIARY FEEDWATER SYSTEM - AUXILIARY FEED PUMP DISCHARGE TO STEAM GENERATOR
ISIM2-206G	CONDENSATE & SERVICE WATER SYSTEMS - AUX & START-UP FEED PUMPS SUCTION & RECIRC
ISIM2-206H	AUXILIARY FEEDWATER SYSTEM - CONTAINMENT
ISIM2-206Q	CONDENSATE SYSTEM - MOTOR DRIVEN FEED PUMP P-241 DISCHARGE
ISIM2-207A	STEAM GENERATOR DRAIN SYSTEM - CONTAINMENT BUILDING
ISIM2-207C SH.1	MAIN FEEDWATER SYSTEM - AUXILIARY & CONTAINMENT BUILDING
ISIM2-207C SH.2	MAIN FEEDWATER SYSTEM - AUXILIARY & CONTAINMENT BUILDING
ISIM2-207E	STEAM GENERATOR DRAIN NO. 1-1 DRAIN / BLOWDOWN SYSTEM - CONTAINMENT BUILDING
ISIM2-207F	STEAM GENERATOR DRAIN NO. 1-1 DRAIN / BLOWDOWN SYSTEM - AUXILIARY & TURBINE BUILDING
ISIM2-207G	STEAM GENERATOR DRAIN NO. 1-2 DRAIN / BLOWDOWN SYSTEM - AUXILIARY & TURBINE BUILDING
ISIM2-210E	MAKE-UP WATER TREATMENT SYSTEM - AUXILIARY BUILDING
ISIM2-210H	MAKE-UP WATER TREATMENT SYSTEM - CONTAINMENT BUILDING
ISIM2-217A SH.1	EMERGENCY DIESEL GENERATORS FUEL OIL SYSTEM
ISIM2-217A SH.2	EMERGENCY DIESEL GENERATORS FUEL OIL SYSTEM
ISIM2-229 SH.1	HYDROGEN DILUTION SYSTEM & MISCELLANEOUS CONTAINMENT PENETRATIONS - AUXILIARY & CONTAINMENT BUILDINGS
ISIM2-229 SH.2	HYDROGEN DILUTION SYSTEM & MISCELLANEOUS CONTAINMENT PENETRATIONS - AUXILIARY & CONTAINMENT BUILDINGS
ISIM2-229 SH.3	INTEGRATED LEAK RATE TEST LINE - CONTAINMENT & AUX BUILDING
ISIM2-230A	PRESSURIZER RELIEF SYSTEM - CONTAINMENT BUILDINGS
ISIM2-230B	REACTOR COOLANT SYSTEM
ISIM2-230C	PRESSURIZER SPRAY AND SURGE LINES
ISIM2-230D	REACTOR VESSEL HEAD TO HOT LEG VENT LINE
ISIM2-231A	PURIFICATION REACTOR COOLANT LETDOWN SYSTEM - CONTAINMENT BUILDING
ISIM2-231B SH.1	MAKE-UP & PURIFICATION SYSTEM - AUXILIARY BUILDING SH.1
ISIM2-231B SH.2	MAKE-UP & PURIFICATION SYSTEM - AUXILIARY BUILDING SH.2
ISIM2-231B SH.3	MAKE-UP & PURIFICATION SYSTEM - AUXILIARY BUILDING SH.3
ISIM2-231C	MAKE-UP & PURIFICATION SYSTEM - AUXILIARY BUILDING SH.4
ISIM2-231D SH.1	MAKE-UP & PURIFICATION SYSTEM - AUXILIARY BUILDING SH.5
ISIM2-231D SH.2	MAKE-UP & PURIFICATION SYSTEM - AUXILIARY BUILDING SH.6
ISIM2-231D SH.3	MAKE-UP & PURIFICATION SYSTEM - AUXILIARY BUILDING SH.7
ISIM2-231E	MAKE-UP & PURIFICATION SYSTEM - AUXILIARY BUILDING SH.8
ISIM2-233A	EMERGENCY CORE COOLING SYSTEM - BORATED WATER SUPPLY
ISIM2-233B SH.1	EMERGENCY CORE COOLING SYSTEM - PUMP SUCTION PIPING
ISIM2-233B SH.2	EMERGENCY CORE COOLING SYSTEM - PUMP SUCTION PIPING
ISIM2-233C SH.1	DECAY HEAT REMOVAL SYSTEM - CONTAINMENT & AUX BUILDING NORMAL COOLDOWN
ISIM2-233C SH.2	DECAY HEAT REMOVAL SYSTEM - CONTAINMENT & AUX BUILDING NORMAL COOLDOWN
ISIM2-233D SH.1	HIGH PRESSURE INJECTION SYSTEM - AUXILIARY BUILDING
ISIM2-233D SH.2	HIGH PRESSURE INJECTION SYSTEM - AUXILIARY BUILDING
ISIM2-233D SH.3	HIGH PRESSURE INJECTION SYSTEM - AUXILIARY BUILDING
ISIM2-233E SH.1	HIGH PRESSURE INJECTION SYSTEM - CONTAINMENT BUILDING
ISIM2-233E SH.2	HIGH PRESSURE INJECTION SYSTEM - CONTAINMENT BUILDING
ISIM2-233F SH.1	LOW PRESSURE INJECTION SYSTEM - AUXILIARY BUILDING
ISIM2-233F SH.2	LOW PRESSURE INJECTION SYSTEM - AUXILIARY BUILDING
ISIM2-233F SH.3	LOW PRESSURE INJECTION SYSTEM - AUXILIARY BUILDING
ISIM2-233G	REFUELING CANAL & INCORE TANK FILL & DRAIN SYSTEM - CONTAINMENT BUILDING
ISIM2-233H	MAKE-UP & PURIFICATION SYSTEM - AUXILIARY BUILDING SH.9
ISIM2-234A	LOW PRESSURE INJECTION & CORE FLOODING SYSTEMS - CONTAINMENT BUILDING
ISIM2-234B SH.1	CONTAINMENT SPRAY SYSTEM - CONTAINMENT BUILDING
ISIM2-234B SH.2	CONTAINMENT SPRAY SYSTEM - CONTAINMENT BUILDING
ISIM2-234B SH.3	CONTAINMENT SPRAY SYSTEM - CONTAINMENT BUILDING
ISIM2-234C	CONTAINMENT SPRAY SYSTEM - AUXILIARY BUILDING - PUMP 1-1 DISCHARGE
ISIM2-234D SH.1	CONTAINMENT SPRAY SYSTEM - AUXILIARY BUILDING - PUMP 1-2 DISCHARGE
ISIM2-234D SH.2	CONTAINMENT SPRAY SYSTEM - AUXILIARY BUILDING - PUMP 1-2 DISCHARGE
ISIM2-235A SH.1	SPENT FUEL POOL COOLING SYSTEM - AUXILIARY BUILDING AREA 7
ISIM2-235A SH.2	SPENT FUEL POOL COOLING SYSTEM - AUXILIARY BUILDING AREA 7
ISIM2-235A SH.3	SPENT FUEL POOL COOLING SYSTEM - AUXILIARY BUILDING AREA 7
ISIM2-235A SH.4	SPENT FUEL POOL COOLING SYSTEM - AUXILIARY BUILDING AREA 7
ISIM2-235B SH.1	SPENT FUEL POOL COOLING SYSTEM - AUXILIARY BUILDING AREA 8
ISIM2-235B SH.2	SPENT FUEL POOL COOLING SYSTEM - AUXILIARY BUILDING AREA 8
ISIM2-236A SH.1	COMPONENT COOLING WATER SYSTEM - AUXILIARY BUILDING EL 545'-0"
ISIM2-236A SH.2	COMPONENT COOLING WATER SYSTEM - AUXILIARY BUILDING EL 545'-0"
ISIM2-236B SH.1	COMPONENT COOLING WATER SYSTEM - AUXILIARY BUILDING EL 565'-0"
ISIM2-236B SH.2	COMPONENT COOLING WATER SYSTEM - AUXILIARY BUILDING EL 565'-0"
ISIM2-236C SH.1	COMPONENT COOLING WATER SYSTEM - HEAT EXCHANGERS INLETS EL 585'-0"
ISIM2-236C SH.2	COMPONENT COOLING WATER SYSTEM - HEAT EXCHANGERS INLETS EL 585'-0"
ISIM2-236C SH.3	COMPONENT COOLING WATER SYSTEM - HEAT EXCHANGERS INLETS EL 585'-0"
ISIM2-236D SH.1	COMPONENT COOLING WATER SYSTEM - C.C. HEAT EXCHANGERS OUTLET PIPING - EL 585'-0"
ISIM2-236D SH.2	COMPONENT COOLING WATER SYSTEM - C.C. HEAT EXCHANGERS OUTLET PIPING - EL 585'-0"
ISIM2-236D SH.3	COMPONENT COOLING WATER SYSTEM - C.C. HEAT EXCHANGERS OUTLET PIPING - EL 585'-0"
ISIM2-236E SH.1	COMPONENT COOLING WATER SYSTEM - CONTAINMENT BUILDING
ISIM2-236E SH.2	COMPONENT COOLING WATER SYSTEM - CONTAINMENT BUILDING
ISIM2-236F SH.1	COMPONENT COOLING WATER SYSTEM - CONTAINMENT BUILDING
ISIM2-236F SH.2	COMPONENT COOLING WATER SYSTEM - CONTAINMENT BUILDING
ISIM2-236F SH.3	COMPONENT COOLING WATER SYSTEM - CONTAINMENT BUILDING
ISIM2-236F SH.4	COMPONENT COOLING WATER SYSTEM - CONTAINMENT BUILDING
ISIM2-236H SH.1	COMPONENT COOLING WATER SYSTEM - SUPPLY & RETURN - EMERGENCY DIESEL GENERATOR
ISIM2-236H SH.2	COMPONENT COOLING WATER SYSTEM - SUPPLY & RETURN - EMERGENCY DIESEL GENERATOR
ISIM2-236H SH.3	COMPONENT COOLING WATER SYSTEM - SUPPLY & RETURN - EMERGENCY DIESEL GENERATOR
ISIM2-236H SH.4	COMPONENT COOLING WATER SYSTEM - SUPPLY & RETURN - EMERGENCY DIESEL GENERATOR
ISIM2-236J	COMPONENT COOLING SYSTEM-EMBEDDED PIPING-CONTROL ROOM FLOOR EL.623'-0"
ISIM2-240A	REACTOR COOLANT DRAIN SYSTEM - CONTAINMENT BUILDING
ISIM2-240B	QUENCH TANK DRAIN SYSTEM - CONTAINMENT & AUXILIARY BUILDINGS
ISIM2-240C	REACTOR COOLANT DRAIN & GASEOUS RADWASTE SYSTEMS
ISIM2-240D	CONTAINMENT BUILDING VENT SYSTEM
ISIM2-241A	SERVICE WATER SYSTEM - COOLERS & RETURN LINE
ISIM2-241B SH.1	SERVICE WATER SYSTEM - VALVE ROOMS & TUNNEL
ISIM2-241B SH.2	SERVICE WATER SYSTEM - VALVE ROOMS & TUNNEL
ISIM2-241C SH.1	SERVICE WATER SYSTEM - AUXILIARY BUILDING - SUPPLY PIPING
ISIM2-241C SH.2	SERVICE WATER SYSTEM - AUXILIARY BUILDING - SUPPLY PIPING
ISIM2-241D SH.1	SERVICE WATER SYSTEM - AUXILIARY BUILDING - RETURN PIPING
ISIM2-241D SH.2	SERVICE WATER SYSTEM - AUXILIARY BUILDING - RETURN PIPING
ISIM2-241E	SERVICE WATER SYSTEM - CONTAINMENT AIR COOLER 1-1
ISIM2-241F	SERVICE WATER SYSTEM - CONTAINMENT AIR COOLER 1-2
ISIM2-241G	SERVICE WATER SYSTEM - CONTAINMENT AIR COOLER 1-3
ISIM2-241H SH.1	SERVICE WATER SYSTEM - ECCS ROOM COOLERS SUPPLY & RETURN
ISIM2-241H SH.2	SERVICE WATER SYSTEM - ECCS ROOM COOLERS SUPPLY & RETURN
ISIM2-241H SH.3	SERVICE WATER SYSTEM - ECCS ROOM COOLERS SUPPLY & RETURN
ISIM2-241H SH.4	SERVICE WATER SYSTEM - ECCS ROOM COOLERS SUPPLY & RETURN
ISIM2-241L	SERVICE WATER SYSTEM - AUXILIARY BUILDING - RETURN PIPING
ISIM2-241M	SERVICE WATER SYSTEM - AUXILIARY BUILDING - SUPPLY TO MOTOR DRIVEN FEED PUMP
ISIM2-246A	LIQUID RADWASTE SYSTEM - NORMAL SUMP PUMPS DISCHARGE - CONTAINMENT & AUXILIARY BUILDINGS
ISIM2-268D	EMERGENCY DIESEL GENERATOR AIR INTAKE & EXHAUST

1

LEGEND

———	ASME SECTION XI CLASS 1 PIPING
- - - - -	ASME SECTION XI CLASS 2 PIPING
....	ASME SECTION XI CLASS 3 PIPING
———	NON-ISI NUCLEAR CLASS AND HSC CLASS
—-—-	PRESSURE BOUNDARY EXTENSION
———	REFERENCE & CONTINUITY
— D — D —	HVAC DUCT
A	ANCHOR
CS	CONSTANT SPRING HANGER
VS	VARIABLE SPRING HEADER
HS	HYDRAULIC SNUBBER
MS	MECHANICAL SNUBBER
N	NON-WELDED SUPPORT ATTACHMENT
W	WELDED INTEGRAL SUPPORT ATTACHMENT
R	RIGID SUPPORT
T	SWAY STRUT
SW	SHOP WELDS
FW	FIELD WELDS
LW	LONGITUDINAL WELD
⇦	ITEM NO. PER 12501-M-654

NOTES:

1. THE INSERVICE INSPECTIONS ISOMETRICS (ISIM2'S) LISTED IN TABLE 1 APPLY TO THE SECOND TEN YEAR ISI INTERVAL FOR DAVIS-BESSE UNIT 1 IN ACCORDANCE WITH THE 1986 EDITION OF ASME SECTION XI. THE 1986 EDITION AND 1986 ADDENDA OF ASME SECTION XI ARE APPLICABLE FOR THE SECTION, CLASSIFICATION AND EXAMINATION OF COMPONENT SUPPORTS AND PIPING SUPPORTS.
2. THE ISIM2'S SHALL BE USED IN CONJUNCTION WITH THE APPLICABLE ISI BOUNDARY DRAWINGS (ISID2'S) LISTED ON DRAWING ISID2-001.
3. EACH ISIM2 IS DERIVED FROM PERTINENT INFORMATION ON PIPING ISOMETRICS, P&ID'S, ISID2'S, VENDOR PIPE SPOOL SHEETS, HANGER DETAIL DRAWINGS, HANGER LOCATION DRAWINGS AND PIPE SUPPORT DETAIL SKETCHES.
4. THE ISIM2'S IDENTIFY AND LOCATE WELDS AND SUPPORTS WHICH ARE NOT EXEMPT FROM EXAMINATION BY THE ASME SECTECTION XI CODE AND THE CRITERIA SPECIFIED IN THE SECOND TEN YEAR ISI INTERVAL SUBMITTAL TO THE NRC AND ARE REQUIRED TO BE EXAMINED BY THE CODE & SUBMITTAL.
5. FOR ASME SECTION XI CODE REPAIR AND REPLACEMENT OF ITEMS NOT IDENTIFIED BY THESE ISIM2'S, REFER TO THE APPROPRIATE P&ID'S, PIPING ISOMETRICS & SKETCHES AND VENDOR PIPE SPOOL SHEETS (WHERE APPLICABLE).
6. THE LEGEND SHOWN ON THIS DRAWING IS EXCLUSIVELY USED FOR DEFINING ISI REQUIREMENTS ON THE ISIM2'S.
7. FOR ISI PROGRAM CLARITY AND SIMPLIFICATION, DUPLICATION OF SPECIFIC EXAM REQUIREMENTS ON ISI PROGRAM DOCUMENTS AND DRAWINGS HAS BEEN MINIMIZED.
8. FOR ISI PURPOSES ONLY THE CLASS I PIPING SYSTEMS SUPPLIED BY B & W HAVE BEEN ASSIGNED THE FOLLOWING LINE DESIGNATIONS WHICH ARE SIMILAR TO BUT ARE NOT TO BE CONFUSED WITH M601/M602 DESIGNATIONS:
   36"-CBA-1,6
   28"-CBA-2 TO 5,7 TO 10
   10"-BCA-1
   2½"-BCA-2 & 3
9. THE REPAIR, REPLACEMENT AND MODIFICATION PROGRAM IS APPLICABLE TO COMPONENTS, PIPING AND SUPPORTS THAT ARE WITHIN THE INSERVICE INSPECTION BOUNDARIES THAT ARE SHOWN ON THE ISI BOUNDARY DIAGRAMS.
10. REFER TO THE INSERVICE INSPECTION PROGRAM PLAN FOR ADDITIONAL DETAILS AND THE SPECIFIC REQUIREMENTS FOR THE INSERVICE INSPECTION OF COMPONENTS, PIPING AND SUPPORTS, AND THE INSERVICE TESTING OF VALVES AND PUMPS.
11. RG 1.26 REQUIRES THAT THE SYSTEM BOUNDARY FOR CLASS 2 AND 3 INCLUDE THOSE PORTIONS OF THE SYSTEM TO ACCOMPLISH THE SPECIFIED SAFETY FUNCTION UP TO AND INCLUDING THE FIRST VALVE (INCLUDING SAFETY OR RELIEF VALVE) THAT IS EITHER NORMALLY CLOSED OR CAPABLE OF AUTOMATIC CLOSURE WHEN THE SAFETY FUNCTION IS REQUIRED.

   BASED ON THIS RG 1.26 REQUIREMENT, VENTS, DRAINS, ETC. WHICH ARE DOUBLED VALVE LINEUPS IN CLASS 2 & 3; THE CLASS 2 OR 3 BOUNDARY IS AT THE FIRST VALVE.

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NO.	DATE	REVISIONS	BY	CH'D	ENGR.	ENGR. SUPV.	GEN. SUPV.
1	8/25/94	INC DCN ISIM2-200-1 PER RFA 94-0266	SBW	DVK			
0	09/19/90	ISSUED FOR SECOND 10 YEAR ISI PROGRAM	INITIALS ON FILE				

SCALE | DESIGNED | DRAWN | DATE

DAVIS-BESSE NUCLEAR POWER STATION UNIT NO. 1

THE TOLEDO EDISON COMPANY

INSERVICE INSPECTION ISOMETRIC DRAWING INDEX / LEGEND SHEET

DRAWING NO. ISIM2-200 REV. 1

DB 06-27-94

DFN- G:\ISIM \ 2IM200 .DGN

D-94

I CERTIFY THAT THE IMAGE CONTAINED ON THIS FRAME WAS MADE IN THE NORMAL AND REGULAR COURSE OF BUSINESS, ON THE DATE STATED BELOW AND THAT IT IS AN ACCURATE REPRODUCTION OF THE RECORD(S) SUBMITTED TO NUCLEAR RECORDS MANAGEMENT.
DATE 9-1-94 OPERATOR