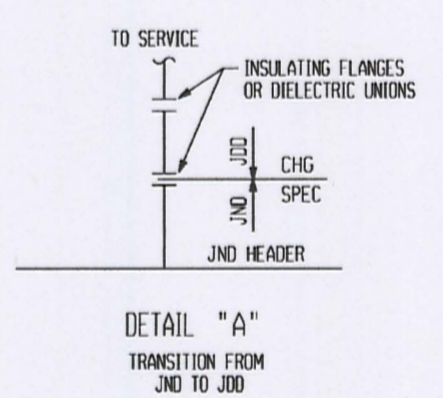


- NOTES:**
- THIS P&ID IS NOT "D" LISTED. "D" IDENTIFICATION IS FOR MONITOR AREAS ONLY AS SHOWN.
 - ALL HOSE CONNECTIONS AND ASSOCIATED ISOLATION VALVES SHALL BE 1" UNLESS OTHERWISE NOTED. LINE SERVICE NUMBERS ARE AS FOLLOWS: A CONTROL BUILDING, 1" JDD-51 ALSO REFER TO DETAIL "A".
 - UNLESS OTHERWISE NOTED, ALL BRANCH CONNECTIONS TO MAIN INSTRUMENT AIR HEADERS FOR LINES TO INSTRUMENT PANELS, INSTRUMENT TRUCKS, AIR OPERATED VALVES, AIR DAMPERS AND OTHER ASSOCIATED INSTRUMENTS, SHALL BE AS FOLLOWS:
 - A. TURBINE BUILDING 1/2" JDD-54
 - B. RAD. PROT. BUILDING 1/2" JDD-55
 - C. WORKSHOP BUILDING 1/2" JDD-57
 - D. CONTROL BUILDING 1" JDD-59
 - E. WATER TREAT. BLDG. 3/4" JDD-85
 - F. CONTAINMENT 1/2" JDD-88
 - G. DRYWELL 1/2" JDD-87
 - H. LABORATORY 1" JDD-82
 ALSO REFER TO DETAIL "A" AND M&P'S CONNECTIONS AT INSTRUMENT PANELS AND TRUCKS ARE TO BE 3/4" UNLESS DETERMINED OTHERWISE BY THE FIELD AND ARE NOT SHOWN ON THE P&ID.
 - ALL EQUIPMENT NUMBERS ON THIS DRAWING ARE PREFIXED BY 1P53 UNLESS OTHERWISE NOTED.
 - ALL INSTRUMENT NUMBERS ON THIS DRAWING ARE PREFIXED BY 1P53 UNLESS OTHERWISE NOTED.
 - NON-SEISMIC, NON-AIR OPERATED VALVES SHALL BE H&O.
 - PROCESS PIPE AND SLEEVE ARE ONE AND THE SAME WITHIN THE AREA WHERE NOTED. THE DIMENSIONS ARE INDICATED ON DWG. 945-C-1054 FOR DRYWELL PENETRATIONS AND DWG. 945-C-1084 FOR CONTAINMENT PENETRATIONS.
 - PHYSICALIZATION OF AIR OPERATED INSTRUMENTATION ARRANGEMENTS SHALL BE FIELD RESPONSIBILITY.
 - FOR DETAIL OF SPEC. CHANGE ON BRANCH CONN. SEE DETAIL "A".
 - FOR RELATIVELY LONG RUNS OF FIELD ROUTED PIPE, LOWER 20 FT. FIELD TO INSTALL ONE SHUTOFF VALVE AT EACH BRANCH OF HEADER & ONE SHUTOFF VALVE AT THE EQUIPMENT, INCLUDING HOSE STATIONS.
 - ABANDONED IN PLACE.
 - DELETED.
 - DELETED.
 - ALL PIPING 2" AND SMALLER IS CLASSIFIED AS III- "A" RADIATION 150'.
 - DELETED.
 - UNLESS OTHERWISE NOTED ALL BRANCH CONNECTIONS OFF INSTRUMENT AIR HEADER 2 1/2" JDD-20 SHALL BE 1" JDD-87 TO LINE 1" JDD-88.
 - UNLESS OTHERWISE NOTED ALL DRAIN LINES SHALL BE 1/2" JDD-65.
 - DELETED.
 - DELETED.
 26. AIR SUPPLY FROM THE TURBINE BLDG. SIDE OF THE INSTRUMENT AIR SYSTEM.
 - 1P53-9133 MAY BE GAGGED OPEN OR CLOSED.
 - DELETED.



NO.	DATE	DESCRIPTION	BY	CHK	APP		
063	AS-BUILT PER ECN'S 19562 20655 TO EC 13093	WE	N/A	N/A	SP	BH	8-19-10
062	AS-BUILT PER EC 19051	WE	N/A	N/A	SP	BH	2-1-10
061	AS-BUILT PER EC-13092	SP	N/A	N/A	WE	TH	11-3-09
060	AS-BUILT PER DRN 05-946	WE	N/A	N/A	SP	AS	2-19-06
059	AS-BUILT PER DRN 04-516, REF. ER-GG-2004-0227-000	SIGN-OFF	ON	RECORD			

GRAND GULF NUCLEAR STATION
 UNIT 1
 NUCLEAR PLANT ENGINEERING
 UPDATED FINAL SAFETY ANALYSIS REPORT
 FIGURE NUMBER - 9.3-001
 P & I DIAGRAM
 INSTRUMENT AIR SYSTEM
 UNIT 1

SCALE: NONE
 DRAWING No.: M-1067A
 REV: 063

- COMPONENTS SUBJECT TO AMR**
- NON-SAFETY RELATED SYSTEMS & COMPONENTS AFFECTING SAFETY RELATED SYSTEMS AMM20
 - COMPRESSED AIR SYSTEMS AMM27

NO.	DATE	DESCRIPTION	BY	CHK	APP
REVISIONS					
LRA-M-1067A					
CAD FILE: m1067a.dgn					
MASTERFILE:					

MPL No. 1P53 1015M

DFN: m1067a.dgn

D180