



- NOTES:
1. ONE "LOW" LINE.
 2. REEF LOW LINE.
 3. TEMPERATURE SWITCHING ELEMENT.
 4. LOWEST PRESSURE POINT FROM ENGINE CONNECTION TO JACKET WATER STORAGE TANK.
 5. LOWEST PRESSURE POINT AT ALL J.W. POINTS.
 6. FOR FUTURE ADDITION OF PUMP, PIPING LOCATE AS CLOSE TO CONNECTIONS (B&A, B&C) AS POSSIBLE.
 7. OPENED DURING ENGINE MAINTENANCE.
 8. WHEN DRAINING THE JACKET WATER SYSTEM OR COMPONENT DURING MAINTENANCE, 1" TEMPERATURE SENSITIVE ELEMENTS SHALL BE OPENED TO THE J.W. STORAGE TANKS AND THE ENGINE COOLING WATER SYSTEM IS DRAINED TO THE CLEAN JACKET WATER STORAGE TANK. THE ENGINE COOLING WATER SYSTEM IS DRAINED TO THE CLEAN JACKET WATER STORAGE TANK.
 9. JACKET WATER HELD UP IN THE J.W. STORAGE TANKS DURING THE ENGINE MAINTENANCE SHALL BE DRAINED TO THE JACKET WATER STORAGE TANKS. JACKET WATER NOT MEETING THE RECOMMENDED SPECIFICATIONS SHALL BE DISPOSED OF PROPERLY TO THE WASTE WATER SYSTEM.
 10. DRAINAGE VALVE OPERATIONAL.
 11. DRAINAGE CONNECTION MUST BE MAINTAINED JACKET WATER STORAGE TANKS FOR A PORTABLE PLUG TO A TANK (B&C) OF THE JACKET WATER STORAGE TANKS.
 12. CONNECTION PROVIDED FOR DRAINING JACKET WATER FROM TEMPORARY HOLD UP TO WASTE CONNECTION FROM PORTABLE PLUG. CONTENTS WILL BE DRAINED INTO A CLEAN CONTAINER AND DRAINED INTO THE JACKET WATER STORAGE TANKS.
 13. VALVE SHOULD NORMALLY REMAIN OPEN. CLOSE WHEN DRAINING TO THE J.W. STORAGE TANKS.
 14. CONNECTION FOR FUTURE ADDITION OF REFILLING STANDPIPE WITH JACKET WATER IN J.W. STORAGE TANKS.
 15. ALL UNPiped TANK CONNECTIONS SHALL BE SEALED.
 16. TWO CALS CONTROL VALVE ORIENTATION.
 17. TWO CALS CONTROL VALVE ORIENTATION.
 18. TWO CALS CONTROL VALVE ORIENTATION.

DESIGN PARAMETERS

LINE LISTING	PIPE SPEC.	PRESSURE	TEMPERATURE	CLASS	MATERIAL
B1	PS 150.3	115 PSIG	250°F	C	CS
B2	PS 150.3	115 PSIG	250°F	C	CS
B3	PS 150.3	115 PSIG	250°F	C	CS
B4	PS 150.3	115 PSIG	250°F	C	CS
B5	PS 150.3	115 PSIG	250°F	C	CS
B6	PS 150.3	115 PSIG	250°F	C	CS
B7	PS 150.3	115 PSIG	250°F	C	CS
B8	PS 150.3	115 PSIG	250°F	C	CS
B9	PS 150.3	115 PSIG	250°F	C	CS

ANSTEC APERTURE CARD

NO.	REVISIONS	DATE	BY	CHKD	DATE	BY	CHKD	DATE	BY	CHKD
1	REV PER CE-4156									
2	REV. PER CN-2628/08 (3-10-93)									
3	REV. PER CN-2628/08 (3-10-93)									
4	APPROVED & RELEASED									

O. A. CONDITION 1

DUNE POWER COMPANY
CATAWBA NUCLEAR STATION UNIT 2

FLOW DIAGRAM OF
DIESEL GENERATOR ENGINE
COOLING WATER SYSTEM
(K01)

NO.	DATE	BY	CHKD	DATE	BY	CHKD	DATE	BY	CHKD
1									
2									
3									
4									
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9									
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12									
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DWG. NO. CN-2609-1.0

ERN:CN00TJ0

PDR RIDS

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