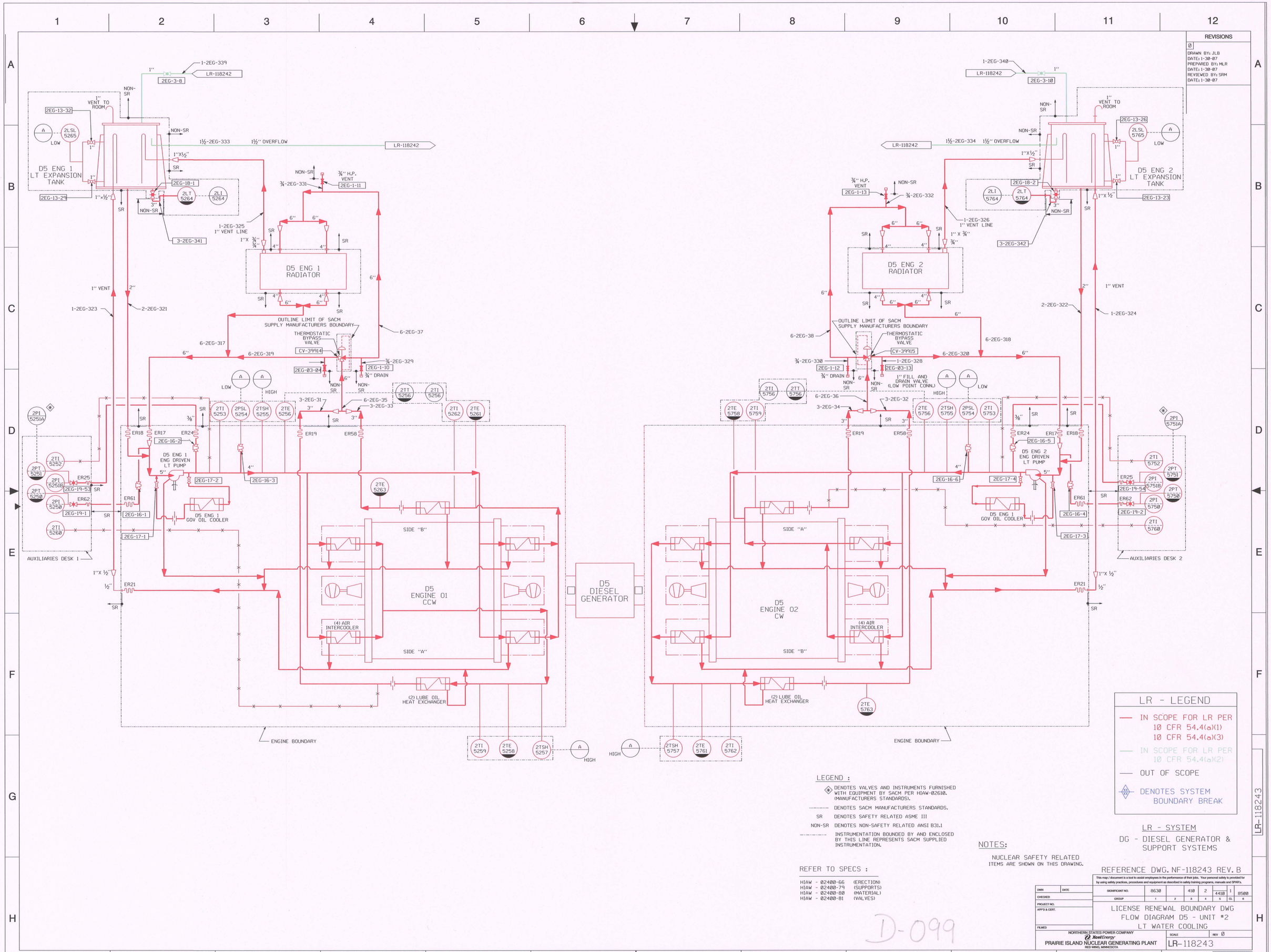
D5 ENG 1 LT EXPANSION TANK
D5 ENG 2 LT EXPANSION TANK
D5 ENG 1 RADIATOR
D5 ENG 2 RADIATOR
OUTLINE LIMIT OF SACM SUPPLY MANUFACTURERS BOUNDARY
THERMOSTATIC BYPASS VALVE
D5 ENG 1 ENG DRIVEN LT PUMP
D5 ENG 2 ENG DRIVEN LT PUMP
D5 ENG 1 GOV OIL COOLER
D5 ENG 2 GOV OIL COOLER
AUXILIARIES DESK 1
AUXILIARIES DESK 2
SIDE "B"
SIDE "A"
D5 ENGINE 01 CCW
D5 ENGINE 02 CW
D5 DIESEL GENERATOR
(4) AIR INTERCOOLER
(2) LUBE OIL HEAT EXCHANGER
ENGINE BOUNDARY
1" FILL AND DRAIN VALVE (LOW POINT CONN.)
LR - LEGEND
IN SCOPE FOR LR PER 10 CFR 54.4(a)(1) 10 CFR 54.4(a)(3)
IN SCOPE FOR LR PER 10 CFR 54.4(a)(2)
OUT OF SCOPE
DENOTES SYSTEM BOUNDARY BREAK
LR - SYSTEM
DG - DIESEL GENERATOR & SUPPORT SYSTEMS
LEGEND :
DENOTES VALVES AND INSTRUMENTS FURNISHED WITH EQUIPMENT BY SACM PER HIAW-02610. (MANUFACTURERS STANDARDS).
DENOTES SACM MANUFACTURERS STANDARDS.
SR DENOTES SAFETY RELATED ASME III
NON-SR DENOTES NON-SAFETY RELATED ANSI B31.1
INSTRUMENTATION BOUNDED BY AND ENCLOSED BY THIS LINE REPRESENTS SACM SUPPLIED INSTRUMENTATION.
REFER TO SPECS :
HIAW - 02400-66 (ERECTION)
HIAW - 02400-79 (SUPPORTS)
HIAW - 02400-80 (MATERIAL)
HIAW - 02400-81 (VALVES)
NOTES:
NUCLEAR SAFETY RELATED ITEMS ARE SHOWN ON THIS DRAWING.
REFERENCE DWG. NF-118243 REV. B
LICENSE RENEWAL BOUNDARY DWG
FLOW DIAGRAM D5 - UNIT #2
LT WATER COOLING
NORTHERN STATES POWER COMPANY
Xcel Energy
PRAIRIE ISLAND NUCLEAR GENERATING PLANT
RED WING, MINNESOTA
LR-118243
REVISIONS
0
DRAWN BY: JLB
DATE: 1-30-07
PREPARED BY: MLR
DATE: 1-30-07
REVIEWED BY: SRM
DATE: 1-30-07
D-099
LR-118243
...\Flows\LR-118243.DGN 1/31/2007 1:00:48 PM