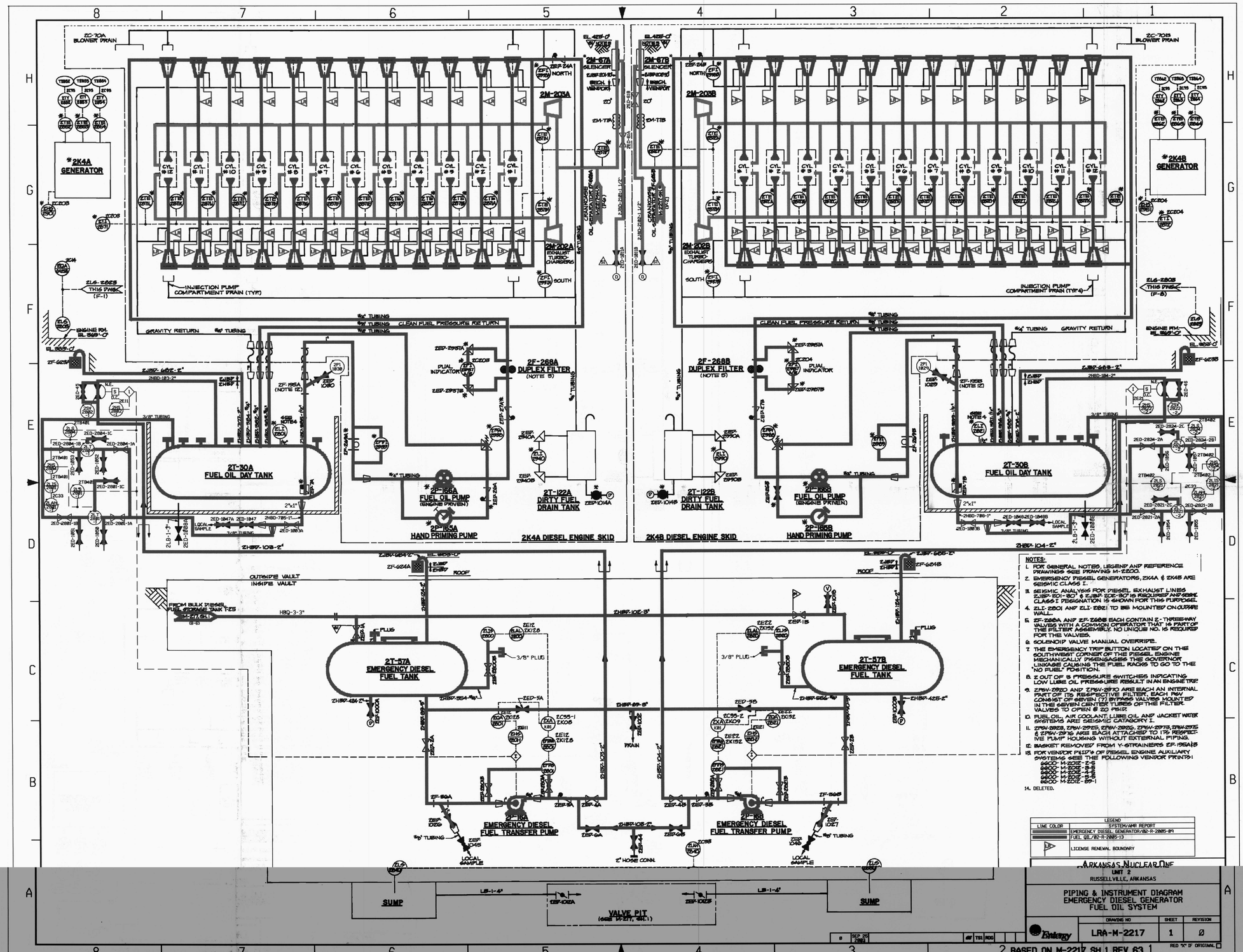
2K4A GENERATOR
2K4B GENERATOR
2M-203A
2M-203B
2M-202A EXHAUST TURBO CHARGERS
2M-202B EXHAUST TURBO CHARGERS
INJECTION PUMP COMPARTMENT DRAIN (TYP)
GRAVITY RETURN
CLEAN FUEL PRESSURE RETURN
2F-268A DUPLEX FILTER (NOTE 5)
2F-268B DUPLEX FILTER (NOTE 5)
2T-30A FUEL OIL DAY TANK
2T-30B FUEL OIL DAY TANK
2P-186A FUEL OIL PUMP (ENGINE DRIVEN)
2P-186B FUEL OIL PUMP (ENGINE DRIVEN)
2P-185A HAND PRIMING PUMP
2P-185B HAND PRIMING PUMP
2T-122A DIRTY FUEL DRAIN TANK
2T-122B DIRTY FUEL DRAIN TANK
2K4A DIESEL ENGINE SKID
2K4B DIESEL ENGINE SKID
OUTSIDE VAULT
INSIDE VAULT
ROOF
2T-57A EMERGENCY DIESEL FUEL TANK
2T-57B EMERGENCY DIESEL FUEL TANK
2P-16A EMERGENCY DIESEL FUEL TRANSFER PUMP
2P-16B EMERGENCY DIESEL FUEL TRANSFER PUMP
SUMP
VALVE PIT
NOTES:
1. FOR GENERAL NOTES, LEGEND AND REFERENCE DRAWINGS SEE DRAWING M-2200.
2. EMERGENCY DIESEL GENERATORS, 2K4A & 2K4B ARE SEISMIC CLASS I.
3. SEISMIC ANALYSIS FOR DIESEL EXHAUST LINES 2ISF-201-SC1 & 2ISF-202-SC1 IS REQUIRED AND SEISM. CLASS I DESIGNATION IS SHOWN FOR THIS PURPOSE.
4. 2LI-2201 AND 2LI-2202 TO BE MOUNTED ON OUTSIDE WALL.
5. 2F-268A AND 2F-268B EACH CONTAIN 2-THREEWAY VALVES WITH A COMMON OPERATOR THAT IS PART OF THE FILTER ASSEMBLY. NO UNIQUE NO. IS REQUIRED FOR THE VALVES.
6. SOLENOID VALVE MANUAL OVERRIDE.
7. THE EMERGENCY TRIP BUTTON LOCATED ON THE SOUTHWEST CORNER OF THE DIESEL ENGINE MECHANICALLY DISENGAGES THE GOVERNOR LINKAGE CAUSING THE FUEL RACKS TO GO TO THE "NO FUEL" POSITION.
8. 2 OUT OF 3 PRESSURE SWITCHES INDICATING LOW LUBE OIL PRESSURE RESULT IN AN ENGINE TRIP.
9. 2TSV-2892A AND 2TSV-2890 ARE EACH AN INTERNAL PART OF ITS RESPECTIVE FILTER. EACH TSV CONSIST OF SEVEN (7) BYPASS VALVES MOUNTED IN THE SEVEN CENTER TUBES OF THE FILTER. VALVES TO OPEN @ 20 PSID.
10. FUEL OIL, AIR COOLANT, LUBE OIL AND JACKET WATER SYSTEMS ARE SEISMIC CATAGORY I.
11. 2TSV-2892B, 2TSV-2892C, 2TSV-2892D, 2TSV-2893B, 2TSV-2893C & 2TSV-2896 ARE EACH ATTACHED TO ITS RESPECTIVE PUMP HOUSING WITHOUT EXTERNAL PIPING.
12. BASKET REMOVED FROM Y-STRAINERS 2F-195A&B
13. FOR VENDOR PARTS OF DIESEL ENGINE AUXILIARY SYSTEMS SEE THE FOLLOWING VENDOR PRINTS:
6200-M-2012-2-5
6200-M-2012-3-3
6200-M-2012-4-5
6200-M-2012-5-5
6200-M-2012-89-1
14. DELETED.
LEGEND
LINE COLOR | SYSTEM/NRC REPORT
EMERGENCY DIESEL GENERATOR/82-R-2005-89
FUEL OIL/82-R-2005-13
LICENSE RENEWAL BOUNDARY
ARKANSAS NUCLEAR ONE
UNIT 2
RUSSELLVILLE, ARKANSAS
PIPING & INSTRUMENT DIAGRAM
EMERGENCY DIESEL GENERATOR
FUEL OIL SYSTEM
Entergy
DRAWING NO LRA-M-2217
SHEET 1
REVISION Ø
RED "X" IF ORIGINAL
BASED ON M-2217 SH 1 REV 63

D-20