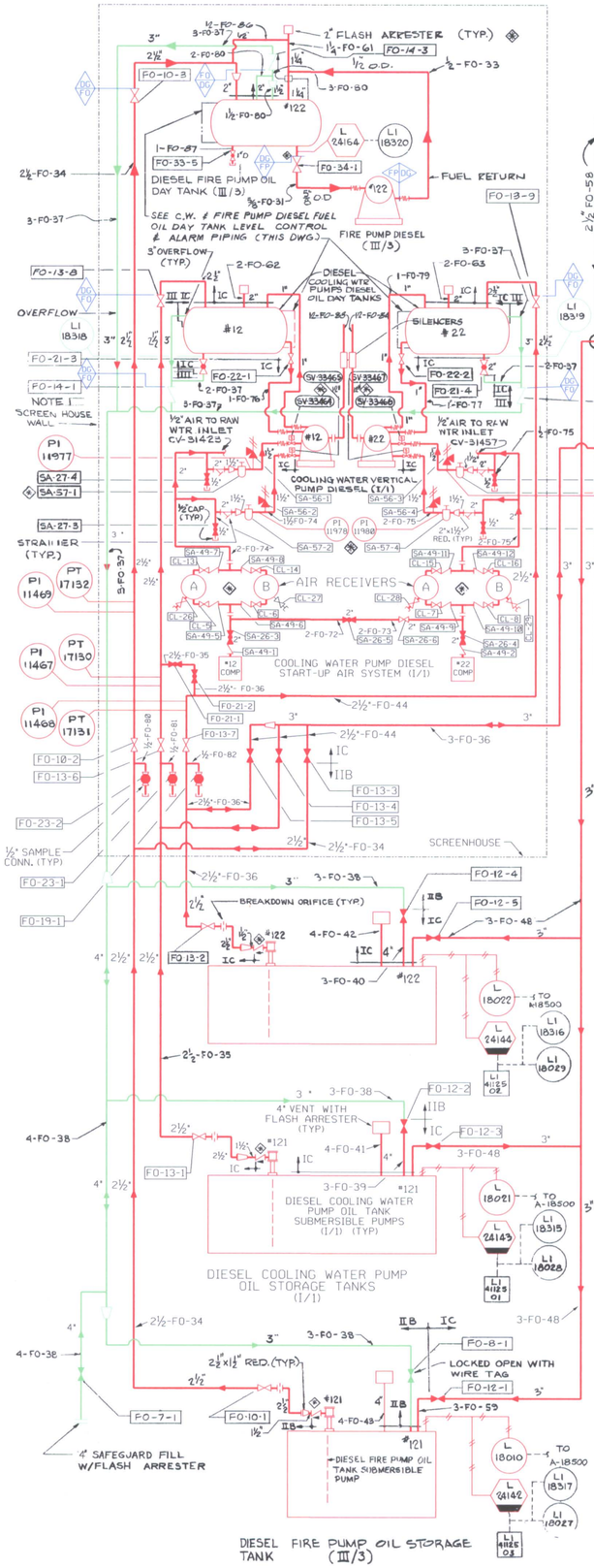

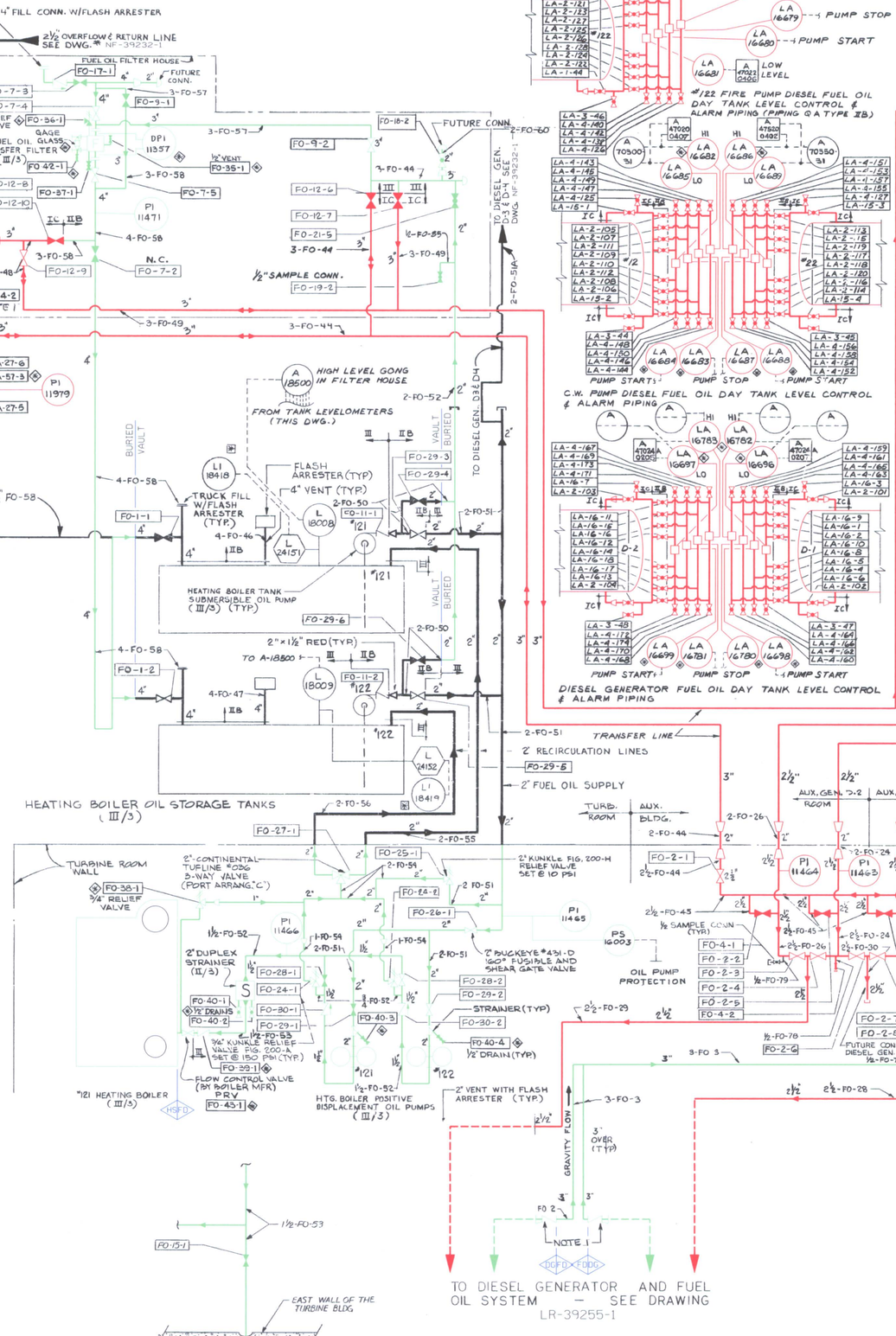

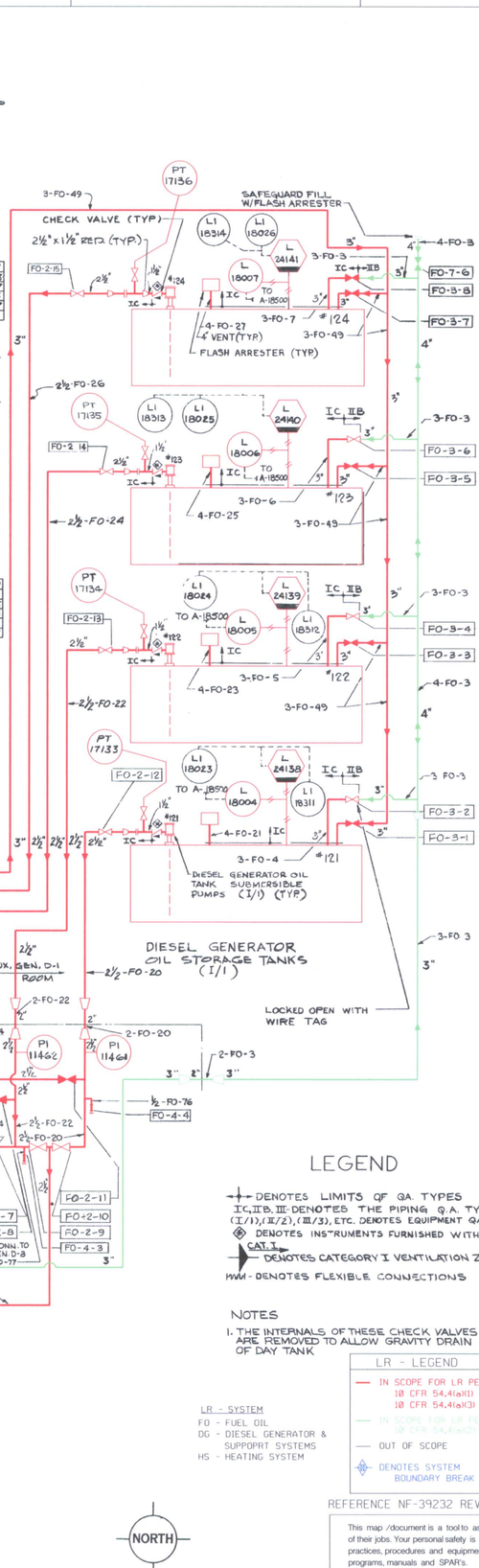

LEGEND

- DENOTES LIMITS OF QA TYPES IC, IIB, III DENOTES THE PIPING Q.A. TYPES (I/1), (II/2), (III/3), ETC. DENOTES EQUIPMENT QA. TYPES/DESIGN CLASS
- DENOTES INSTRUMENTS FURNISHED WITH EQUIPMENT
- CAT. 1 DENOTES CATEGORY I VENTILATION ZONE
- HWH - DENOTES FLEXIBLE CONNECTIONS

NOTES

1. THE INTERNALS OF THESE CHECK VALVES ARE REMOVED TO ALLOW GRAVITY DRAIN OF DAY TANK

LR - SYSTEM
FO - FUEL OIL
DG - DIESEL GENERATOR & SUPPORT SYSTEMS
HS - HEATING SYSTEM

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

REFERENCE NF-39232 REV. AE

I HEREBY CERTIFY THAT THIS PLAN WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY REGISTERED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA
DATE 6-24-69
REG. NO. 8666

This map /document is a tool to assist employees in the performance of their jobs. Your personal safety is provided for by using safety practices, procedures and equipment as described in safety training programs, manuals and SPAR's.

NORTH

DWN	DATE	SIGNIFICANT NO.	8630		400	100	1	8700
CHECKED		GROUP	1	2	3	4410 4	5	CL 6
PROJECT NO.								
APPD & CERT.								
FILMED								

INTERLOCK LOGIC DRAWING No. NF-40323

ACCOUNT NOS. 50-64-1-02 UNIT 1 50-64-2-02 UNIT 2

NORTHERN STATES POWER COMPANY
PRAIRIE ISLAND NUCLEAR GENERATING PLANT
RED WING, MINNESOTA

LICENSE RENEWAL BOUNDARY DWG FUEL & DIESEL OIL SYSTEM FLOW DIAGRAM UNIT 1 & 2

SCALE NONE REV. 4

LR-39232

LR-39232.DGN [NSP GENERATION CAD]

D-032

REVISIONS

0
DRAWN BY: JLB
DATE: 2-22-07
PREPARED BY: MLR
DATE: 2-22-07
REVIEWED BY: SRM
DATE: 2-26-07

1
ADDED DDCR PMP 5 AIR COMPRESSOR TO SCOPE
DRAWN BY: JLB
DATE: 6-5-07
PREPARED BY: MLR
DATE: 6-5-07
REVIEWED BY: SRM
DATE: 6-5-07

2
REVISED (9X11)(8.5X21) BOUNDARY REFERENCE LINK FROM LR TO NF, AND ENLARGED BOUNDARY FLAGS
DRAWN BY: JLB
DATE: 6-21-07
PREPARED BY: WJO
DATE: 6-21-07
REVIEWED BY: SRM
DATE: 6-22-07

3
ADDED BOUNDARY FLAGS @ #122 DSL FIRE PUMP
DRAWN BY: JLB
DATE: 11-29-07
PREPARED BY: WJI
DATE: 11-29-07
REVIEWED BY: SRM
DATE: 11-29-07

4
REVISED PIPE SEGMENT TO MATCH CONTROLLED DWG.
DRAWN BY: JLB
DATE: 2-4-08
PREPARED BY: WJI
DATE: 2-4-08
REVIEWED BY: SRM
DATE: 2-4-08