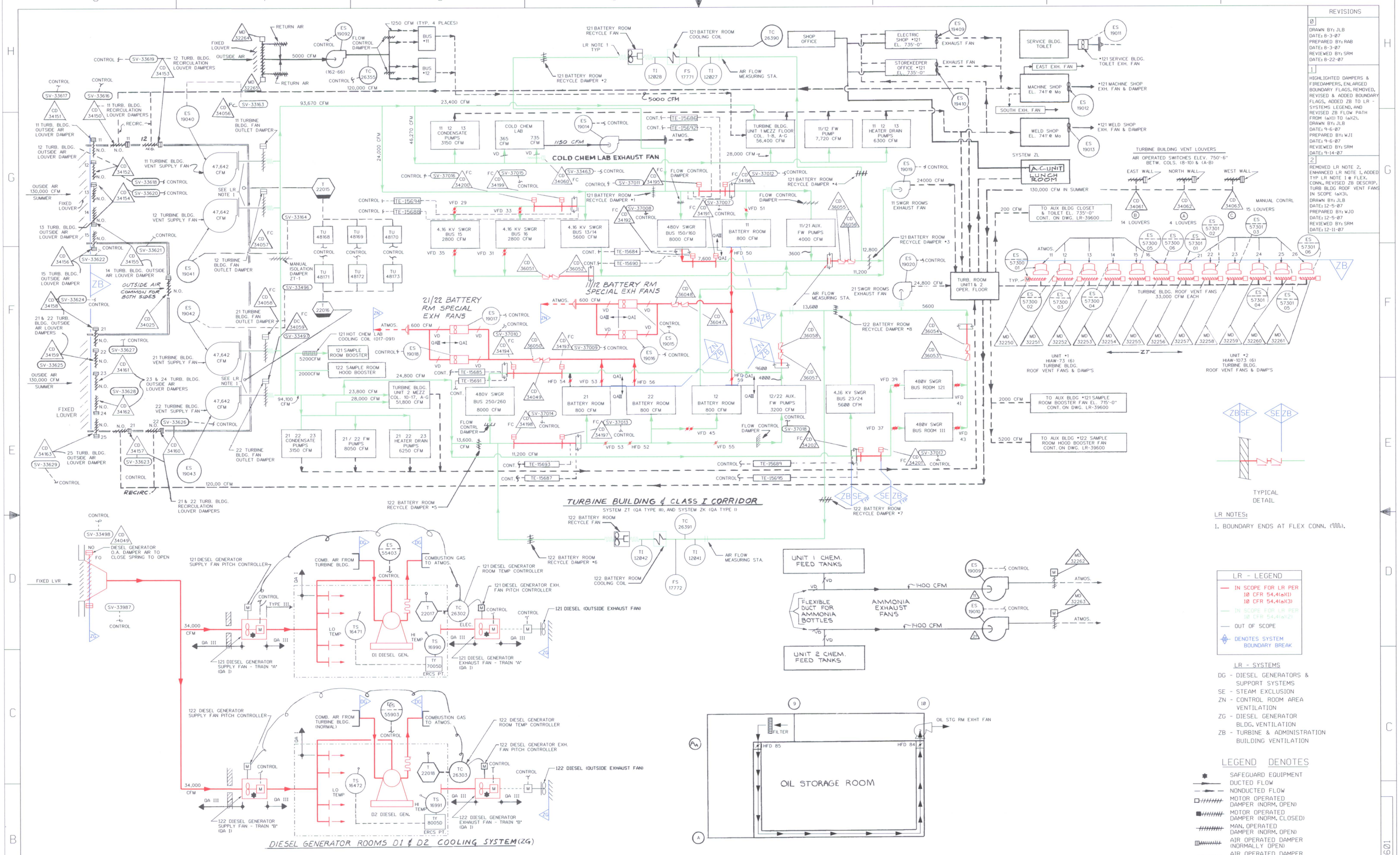

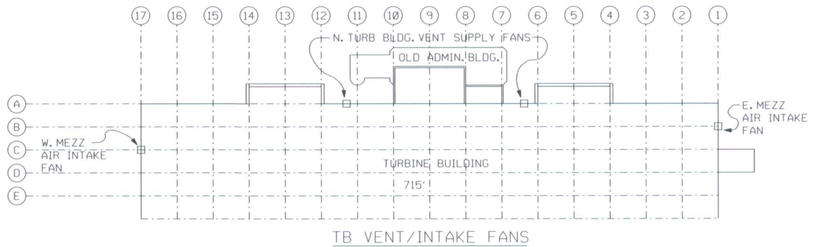

TB VENT/INTAKE FANS

REVISIONS

0
DRAWN BY: JLB
DATE: 8-3-07
PREPARED BY: RAB
DATE: 8-3-07
REVIEWED BY: SRM
DATE: 8-22-07

1
HIGHLIGHTED DAMPERS & FIREDAMPERS, ENLARGED BOUNDARY FLAGS, REMOVED, REVISED & ADDED BOUNDARY FLAGS, ADDED ZB TO LR - SYSTEMS LEGEND, AND REVISED ZB FLOW PATH FROM (a)(1) TO (a)(2).
DRAWN BY: JLB
DATE: 9-6-07
PREPARED BY: WJI
DATE: 9-6-07
REVIEWED BY: SRM
DATE: 9-14-07

2
REMOVED LR NOTE 2, ENHANCED LR NOTE 1, ADDED TYP LR NOTE 1 @ FLEX. CONN., REVISED ZB DESCRIP. TURB BLDG ROOF VENT FANS IN SCOPE (a)(3).
DRAWN BY: JLB
DATE: 12-5-07
PREPARED BY: WJO
DATE: 12-5-07
REVIEWED BY: SRM
DATE: 12-11-07

LR NOTES:

1. BOUNDARY ENDS AT FLEX CONN. (MM).

LR - LEGEND

- IN SCOPE FOR LR PER 10 CFR 54.4(a)(1)
- IN SCOPE FOR LR PER 10 CFR 54.4(a)(2)
- OUT OF SCOPE
- DENOTES SYSTEM BOUNDARY BREAK

LR - SYSTEMS

DG - DIESEL GENERATORS & SUPPORT SYSTEMS
SE - STEAM EXCLUSION
ZN - CONTROL ROOM AREA VENTILATION
ZG - DIESEL GENERATOR BLDG. VENTILATION
ZB - TURBINE & ADMINISTRATION BUILDING VENTILATION

LEGEND DENOTES

- SAFEGUARD EQUIPMENT
- DUCTED FLOW
- NONDUCTED FLOW
- MOTOR OPERATED DAMPER (NORM. OPEN)
- MOTOR OPERATED DAMPER (NORM. CLOSED)
- MAN. OPERATED DAMPER (NORM. OPEN)
- AIR OPERATED DAMPER (NORMALLY OPEN)
- AIR OPERATED DAMPER (NORMALLY CLOSED)
- WALL MOUNTED EXH. FAN

ABBREVIATIONS:
VFD - VERTICAL FIRE DAMPER
HFD - HORIZONTAL FIRE DAMPER

NOTES:

1. SWITCHES FOR UNIT COOLER SHOWN ON LR-39603-2 & 3.
2. FOR ORIFICE FLG. & ANNUBAR DETAILS SEE NF-39609-12.

REFERENCE NF-39601 REV. 77

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

DWN	DATE	SIGNIFICANT NO.	8630			100	13000	1	4820
CHECKED		GROUP	1	2	3	4	5	CL	6
PROJECT NO.									
APP'D & CERT.									
FILMED									

LICENSE RENEWAL BOUNDARY DWG
TURBINE BUILDING-DIESEL GENERATOR
HVAC FLOW DIAGRAM

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

SCALE NONE | REV 2

LR-39601

LR-39601.DGN MSP GENERATION CAD

D-068