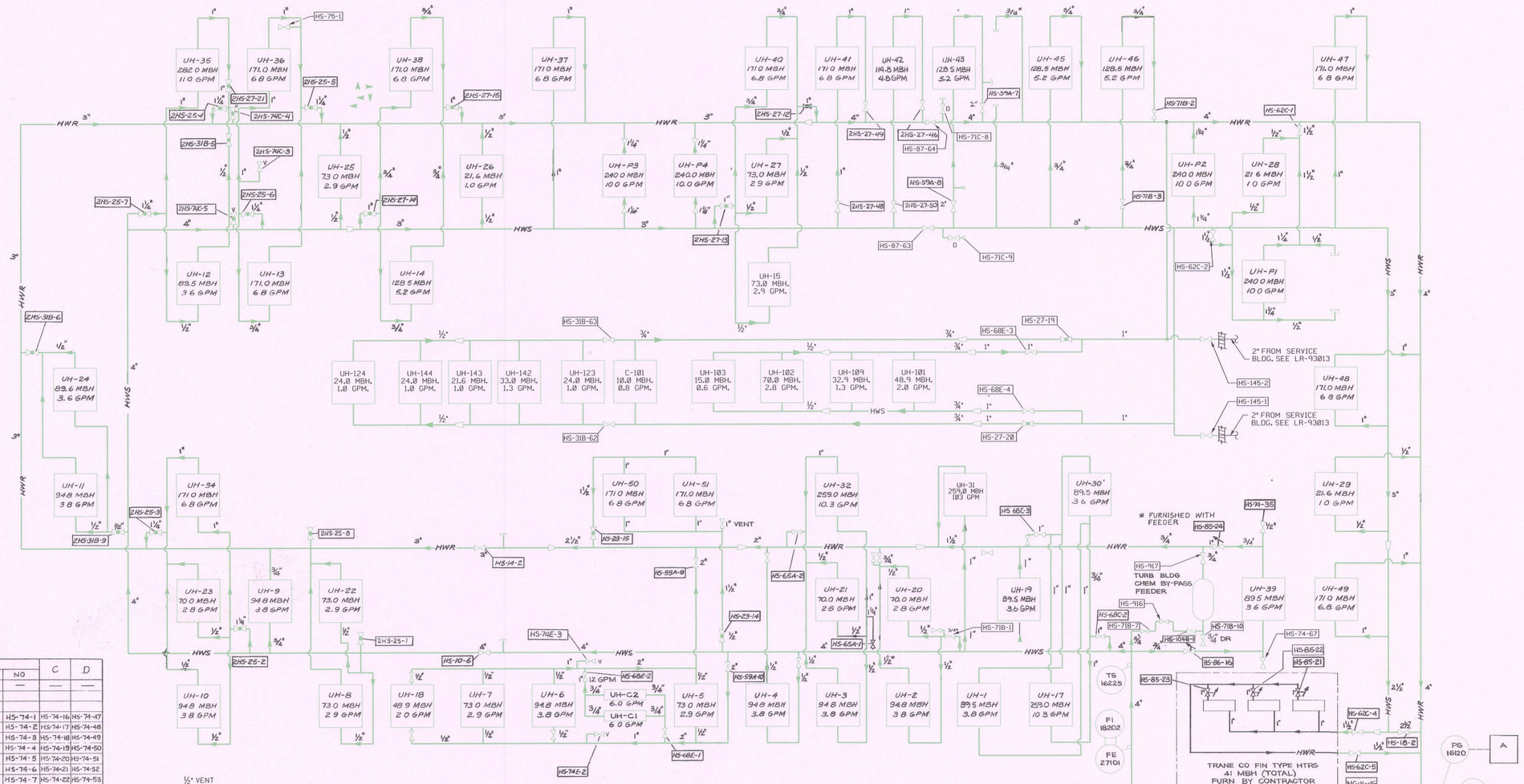

TYPICAL HEATER HOOK-UP

HEATER NO.	A SIZE	A TYPE	A NO.	B SIZE	B TYPE	B NO	C	D
C1 & C2	¾"	GATE	—	¾"	GATE	—	—	—
UH1	½"	BALANCING VALVE	HS-87-1	½"	GATE	HS-74-1	HS-74-16	HS-74-47
UH2			HS-87-2			HS-74-2	HS-74-17	HS-74-48
UH3			HS-87-3			HS-74-3	HS-74-18	HS-74-49
UH4			HS-74-104			HS-74-4	HS-74-19	HS-74-50
UH5		BALANCING VALVE	HS-87-4			HS-74-5	HS-74-20	HS-74-51
UH6			HS-87-5			HS-74-6	HS-74-21	HS-74-52
UH7			HS-87-6			HS-74-7	HS-74-22	HS-74-53
UH8			2HS-87-7		GLOBE	2HS-31B-54	2HS-74D-2	2HS-74D-22
UH9	¾"		2HS-86-1	¾"		2HS-29D-6	2HS-74D-3	2HS-74D-23
UH10	½"		2HS-87-8	½"		2HS-31B-12	2HS-74D-4	2HS-74D-24
UH11			2HS-87-9			2HS-31B-13	2HS-74D-5	2HS-74D-25
UH12			2HS-87-10			2HS-31B-14	2HS-74D-6	2HS-74D-26
UH13	¾"		2HS-86-2	¾"		2HS-29D-7	2HS-74D-7	2HS-74D-27
UH14			2HS-86-3			2HS-31B-15	2HS-74D-8	2HS-74D-28
UH15	½"		2HS-87-49	½"		2HS-31B-16	2HS-74-23	2HS-74-54
UH16			2HS-87-50		GATE	2HS-74-8	2HS-74-24	2HS-74-55
UH17			HS-87-13			HS-74-9	HS-74-25	HS-74-56
UH18			HS-87-14			HS-74-10	HS-74-26	HS-74-57
UH19			HS-87-15			HS-74-11	HS-74-27	HS-75-58
UH20			HS-87-16			HS-74-12	HS-74-119	HS-74-59
UH21			HS-87-17			HS-74-13	HS-74-28	HS-74-60
UH22			2HS-87-18		GLOBE	2HS-31B-35	2HS-74-29	2HS-74-61
UH23			2HS-86-4			2HS-31B-17	2HS-74D-9	2HS-74D-29
UH24			2HS-87-19			2HS-31B-18	2HS-74D-10	2HS-74D-30
UH25			2HS-87-20			2HS-31B-19	2HS-74D-11	2HS-74D-31
UH26			2HS-87-21			2HS-31B-20	2HS-74D-12	2HS-74D-32
UH27			2HS-87-22			2HS-31B-21	2HS-74D-13	2HS-74D-33
UH28			HS-87-23		GATE	HS-74-14	HS-74-120	HS-74-122
UH29			HS-87-24			HS-74-15	HS-74-121	HS-74-123
UH30	¾"		HS-86-5	¾"	GLOBE	HS-29D-8	HS-74-30	HS-74-62
UH31	1"		HS-85-1	1"	GATE	HS-68C-4	HS-74-31	HS-74-63
UH32			HS-85-2			HS-68C-5	HS-74-32	HS-74-64
UH42			2HS-85-25		GLOBE	2HS-27-47	2HS-74-117	2HS-74-118
UH34			2HS-85-4			2HS-27-22	2HS-74D-14	2HS-74D-34
UH35			2HS-85-5			2HS-27-23	2HS-74-34	2HS-74-64
UH36			2HS-85-6			2HS-27-24	2HS-74D-15	2HS-74D-35
UH37			2HS-85-7			2HS-27-25	2HS-74D-16	2HS-74D-36
UH38	¾"		2HS-86-6	¾"		2HS-29D-9	2HS-74D-17	2HS-74D-37
UH39			HS-86-7			HS-86-16	HS-74-35	HS-74-67
UH40	¾"	BALANCING VALVE	2HS-86-8	¾"	GLOBE	2HS-29D-18	2HS-74-36	2HS-74-68
UH41	1"		2HS-85-8	1"		2HS-27-29	2HS-74-37	2HS-74-69
UH43			HS-85-9		GATE	HS-68C-6	HS-74-38	HS-74-70
UH44	¾"		HS-86-9	¾"	GLOBE	HS-29D-11	HS-74-39	HS-74-71
UH45			HS-86-10			HS-29D-12	HS-74-40	HS-74-72
UH46			HS-86-11			HS-29D-13	HS-74-41	HS-74-73
UH47	1"		HS-85-10	1"	GATE	HS-68C-7	HS-74-42	HS-74-74
UH48			HS-85-11			HS-68C-8	HS-74-43	HS-74-75
UH49			HS-85-12			HS-68C-9	HS-74-44	HS-74-76
UH50			HS-85-13			HS-68E-5	HS-74D-18	HS-74D-38
UH51			HS-85-14			HS-68E-6	HS-74D-19	HS-74D-39
UHP1	1¼"		HS-84-1	1¼"		HS-65A-3	HS-74-45	HS-74-77
UHP2			HS-84-2			HS-65A-4	HS-74-46	HS-74-78
UHP3			2HS-84-3		GLOBE	2HS-25-11	2HS74D-20	2HS74D-40
UHP4			2HS-84-4			2HS-25-12	2HS74D 21	2HS74D-41

HEATER NO.	A SIZE	A TYPE	A NO.	B SIZE	B TYPE	B NO.	C	D
C-101	½"	GATE	HS-74D-45	½"	GATE	HS-74D-46	HS-74-124	HS-74-128
UH-101	½"	BALANCING	HS-87-25	½"	GATE	HS-74D-47	HS-74D-55	HS-74D-69
UH-102	½"	BALANCING	HS-87-26	½"	GATE	HS-74D-48	HS-74D-56	HS-74D-70
UH-103	½"	BALANCING	HS-87-27	½"	GATE	HS-74D-49	HS-74D-57	HS-74D-71
UH-109	½"	BALANCING	HS-87-30	½"	GATE	HS-74D-51	HS-74-127	HS-74D-76
UH-123	½"	BALANCING	HS-87-42	½"	GATE	HS-74D-53	HS-74D-65	HS-74D-82
UH-124	½"	BALANCING	HS-87-43	½"	GATE	HS-74D-54	HS-74D-66	HS-74D-83
UH-142	½"	BALANCING	HS-87-58	½"	GLOBE	HS-31B-58	HS-74-145	HS-74-142
UH-143	½"	BALANCING	HS-87-59	½"	GLOBE	HS-31B-59	HS-74-138	HS-74-143
UH-144	½"	BALANCING	HS-87-60	½"	GLOBE	HS-31B-60	HS-74-139	HS-74-144

REVISIONS

0
DRAWN BY: JLB
DATE: 2-28-07
PREPARED BY: WJO
DATE: 2-28-07
REVIEWED BY: SRM
DATE: 3-1-07

1
ENLARGED BOUNDARY FLAGS AND HIGHLIGHTED TYPICAL HEATER HOOK-UP
DRAWN BY: JLB
DATE: 8-7-07
PREPARED BY: WJI
DATE: 8-7-07
REVIEWED BY: SRM
DATE: 8-22-07

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 - SYSTEMS

HS - HEATING SYSTEM
CG - MISCELLANEOUS GAS
DE - WATER TREATMENT

D-076

REFERENCE DWG NF-39605-2 REV. L

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.

DWN | DATE | CHECKED | PROJECT NO. | APP'D & CERT. | FILMED

SIGNIFICANT NO. 8630
GROUP 1 2 3 4 5 CL 6

LICENSE RENEWAL BOUNDARY DWG
TURBINE BLDG - HOT WATER
HEATING SYSTEM - FLOW DIAGRAM

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

SCALE | REV 1
LR-39605-2

$$USERNAME$$ $$$$$SYTIME$$$$$$$$$$$$SYDATE$$$$$ $$$$$$$$$$DESIGNFIL$$$$$$$$$

LR-39605-2.DGN | ESP GENERATOR CAD

NORTH