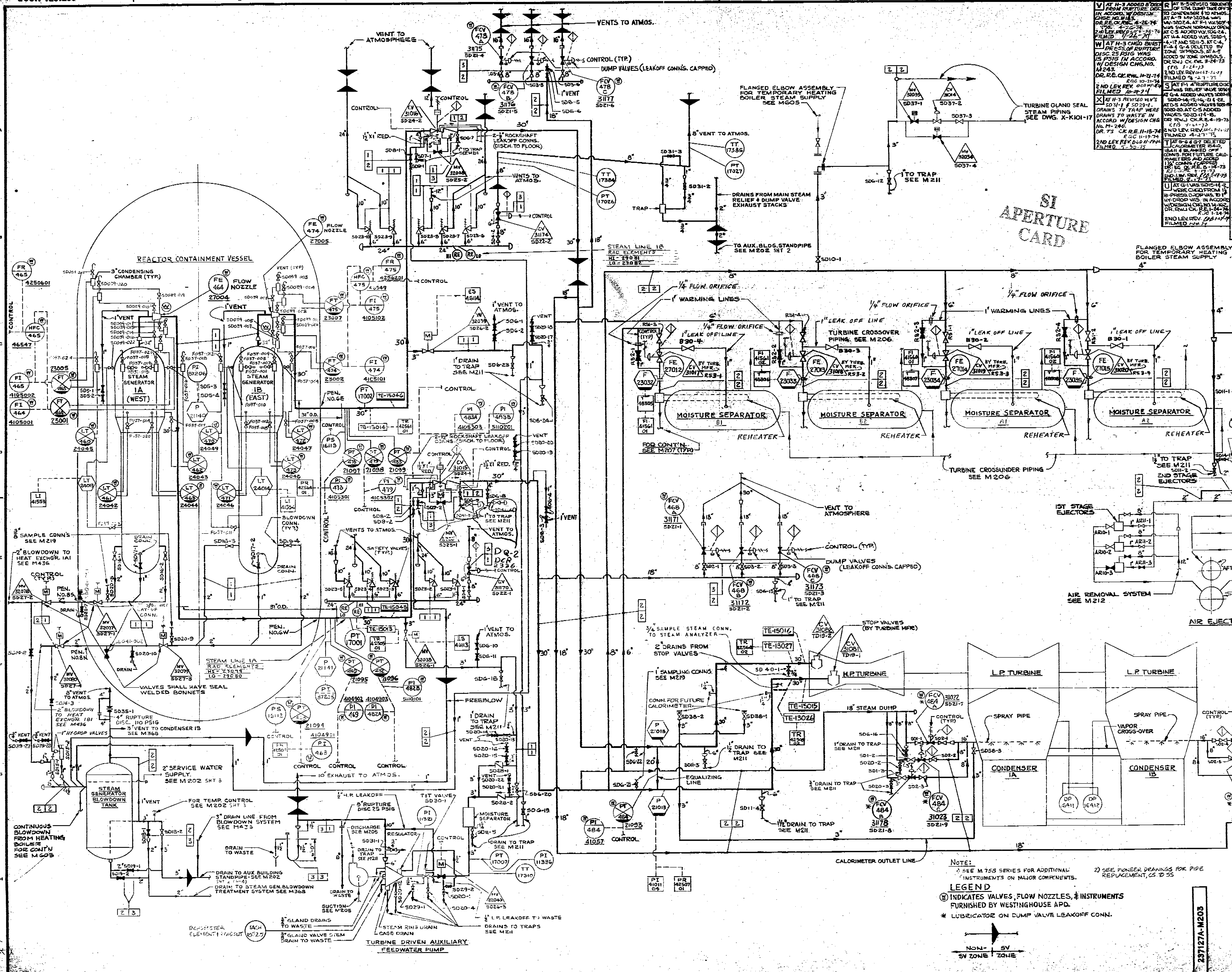

V	AT H-3 ADDED 8" DISCH FROM RUPTURE DISC IN ACCORD. W/DESIGN CHGE NO. M185. DR. R.E. CK. R.W.L. 4-26-74. 2ND LEV. REV. FILMED 4-26-74
W	AT H-3 CHGD BURST PRESS. OF RUPTURE DISC. 25 PSIG WAS 15 PSIG IN ACCORD. W/ DESIGN CHG. NO. M243. DR. R.E. CK. R.W.L. 10-21-74 RGC 10-21-74. 2ND LEV. REV. FILMED 10-21-74
X	AT H-3 REVISED VLV'S SD31-1 & SD29-1. DRAINS TO TRAP WERE DRAINS TO WASTE IN ACCORD W/DESIGN CHG No. M-240. DR. TS CK. R.E. 11-15-74 RGC 11-19-74. 2ND LEV. REV. FILMED 5-30-75
R	AT B-5 REVISED SEQUENCE OF STM. DUMP TAKE OFFS TO CONDENSER & TO ATMOS. AT A-9 MV-32034 WAS MV-32024. AT F-1 VLV. SD27-4 WAS SHOWN NORMALLY OPEN. AT C-5 ADDED VLV. SD6-24. AT H-4 ADDED VLVS. SD20-1, -4, -12 AND SD11-5. AT C-4, F-4 & G-4 DELETED SV ZONE SYMBOLS. AT A-2 ADDED SV ZONE SYMBOLS. DR. RWJ CK. RWL 3-24-73. 2ND LEV. REV. FILMED 3-27-73
S	AT F-1 4" RUPTURE DISC WAS RELIEF VALVE SD16-1. AT G-4 ADDED VALVES SD20-14, 15, 16, 21 & 22. AT D-5 ADDED VALVES SD20-20. AT C-5 ADDED VALVES SD20-17 & 18. DR RWJ CK. R.E. 4-19-73. 2ND LEV. REV. FILMED 4-27-73
T	AT G-6 & G-7 DELETED CALORIMETER 18410, 18411 & BLANKED OFF CONNS. FOR FUTURE CALORIMETERS AND ADDED 1 1/4" CONNS (CAPPED). DR. EG CK. R.E. 8-14-73. 2ND LEV. REV. FILMED 8-17-73
U	AT G-1 VAS. SD15-1 & -2 WERE CHGD FROM 1 1/2" HI-PRESS. DROP VAS. TO 1" HY-DROP VAS. IN ACCORD W/DESIGN CHG NO. M-162. DR. RWJ CK. R.E. 1-24-74. 2ND LEV. REV. FILMED 1-24-74
M	AT B-7, B-12 & D-12 ADDED FLG'D. ASSY. FOR TEMP. HTG. BLR. STM. AT A-8 ADDED VALVES IDENT. NO'S. SD37-1, 2, 3, & 4. DR. E.S. CK. R.W.L. 3-24-72. 2ND LEV. REV. FILMED 3/21/72
N	AT D-1, ADDED INSTRS LT-24013 & LI-41553. AT D-2 ADDED LT-24014 & LI-41554. AT A-4 & D-4 ADDED (2) 1/2" ROCKSHAFT LEAKOFF CONNS. (DISCH. TO FLOOR). DR. F.N. CK. R.E. 6-14-72. 2ND. LEV. REV. FILMED 6-23-72
P	AT G-6 ADDED 3" CALORIMETER OUTLET LINE & VA. SD38-3. AT G-6 ADDED CALORIMETER INSTR'S. TE-15004 & TE-13005 & VA'S SD38-1 & SD38-2. DR. F.N. CK. R.E. 8-10-72. 2ND. LEV. REV. FILMED 8-17-72
Q	AT E-3 REVISED STM. GEN. 1A MAIN STM. RELIEF VA. LINES & DELETED DRIP PANS. Q.A. CLASS WAS CHG'D. AT RELIEF VALVES FROM Q.A. 3 TO Q.A. 1. AT G-6 VALVES SD38-1 & SD38-2 WERE NORM. CLOSED. AT G-3 VALVE SD38-3 WAS NORM. CLOSED. AT B-3 DELETED DRIP PANS ON STM. GEN. 1B MAIN STM. RELIEF VALVES LINES & Q.A. CLASS WAS CHG'D. AT RELIEF VALVES FROM Q.A. 3 TO Q.A. 1. DR. E.S. CK. RWL 9-22-72. 2ND LEV. REV. FILMED 9-27-72
DG-2	DCR 1195 AT C-2, ADDED PRESSURE TRANSMITTERS & INDICATORS. DWN: TG 9-15-82. CHKD: JSB 9-29-82. APPD & CERT. INFO TRANSFERRED FROM FEI BY WPS PER DCR 1195. BY TEL 3-29-85. CHKD JM 3-29-85
DH	DWG DSCRP COMP. SEE REV DG-1. APPD: SLB 4-9-85. FILMD (WPS) 4-16-85
DJ	DCR 1195 COMPL. SEE REV. DG-2. APPD: JBV 4-17-85. FILMD (WPS) 4-30-85
DJ-1	ADDED VALVES TO STEAM GENERATOR 1A & 1B PER DWG DISCR. BY: RJA 6-21-85. CHKD: JM 6-24-85
DJ-2	ADDED TACH ELEMENT & READOUT PER DCR 1377. BY L ZEHREN 2-7-86. CHK'D JM 2-7-86
DJ-3	ADDED VALVE NO. 5 PER DWG DISCR. BY L ZEHREN 2-27-86. CHK'D JM 2-27-86
DK	DCR 1377 COMPL. SEE REV DJ-2. APP'D PFD 2-26-86. FILMD (WPS) 3-4-86
DL	DCR 1772 COMPL. SEE REV DK-1. APPD DEC 4-7-86
DL-1	REVISED VALVE NUMBERS PER DWG DISCR. BY L ZEHREN 5-28-86. CHK'D JM 5-28-86
DM	DWG DISCR COMPL. SEE REV DJ-1, DJ-3, DL-1. APPD DLM 6-6-86. FILM'D (WPS) 6-17-86
DM-1	ADDED NOTE # 2 PER DCR 1781. BY L ZEHREN 10-13-86. CHK'D JM 10-14-86
DN	DCR 1781 COMPL. SEE REV DM-1. APP'D ... 10-21-86. FILM'D (WPS) 10-23-86
DP	REC. PURP COMPL. SEE REV DN-1. APP'D EB 1-18-88. FILM'D (WPS) 1-26-88
DP-1	PDD 0003 CHANGED LINES (AT D-3). BY KFJ 06-13-88. CHKD: JM 06-16-88
DQ	PDD 0003 COMPL. SEE REV. DP-1. APP'D: DLM 8-29-88. FILM'D: (WPS) 09-13-88
DQ-1	REC. PURP 0021 REVISED MOISTURE SEPARATOR NO'S. BY: RJA 4-19-89. CHKD: JM 4-19-89
DQ-2	ADDED VALVES SD41-3 & SD41-4. PER DCR 2336. BY: KFJ 04-17-89. CHKD: JM 04-18-89
DR	RE PUR 0021 COMPL. SEE REV. DQ-1. APP'D: JKM 4-27-89. FILM'D (WPS) 5-9-89
DS	DCR 2336 COMPL. SEE REV. DQ-2. APP'D: RRG 07-13-89. FILM'D: (WPS) 07-25-89
DF-1	DCR 1197 - AT LOC. ...
DG	DCR 1197 COMPL. SEE REV. DF-1. FILMD (WPS) ...
DG-1	DRAWING DISCREPANCY: RELOCATED VALVES SD1-2 & SD1-3. BY: KTS 12-28-84. CHKD. JM 12-28-84

NOTE:
1) SEE M 758 SERIES FOR ADDITIONAL INSTRUMENTS ON MAJOR COMPONENTS.
2) SEE PIONEER DRAWINGS FOR PIPE REPLACEMENT, CS. D 55

LEGEND
(W) INDICATES VALVES, FLOW NOZZLES, & INSTRUMENTS FURNISHED BY WESTINGHOUSE APD.
* LUBRICATOR ON DUMP VALVE LEAKOFF CONN.

NON-SV ZONE | SV ZONE

FUNCTIONAL DESCRIPTION DIAGRAM 237127A-M722

WISCONSIN PUBLIC SERVICE CORPORATION
KEWAUNEE NUCLEAR POWER PLANT - UNIT NO. 1
CARLTON, KEWAUNEE COUNTY, WISCONSIN

FLOW DIAGRAM
MAIN, AUXILIARY STEAM AND STEAM DUMP

Designed By Pioneer Service & Engineering Co. Chicago

DRAWN: JL 10-24-67 | SCALE: NONE | CHECKED: C.E. DWERK 11-5-63

PROJECT & DWG. NO. 237127A-M203 DS

237127A-M203

WISCONSIN LAWRENCE E. NEWHART, JR. E-11224 GLEN ELLYN, ILLINOIS PROFESSIONAL ENGINEER SEAL

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