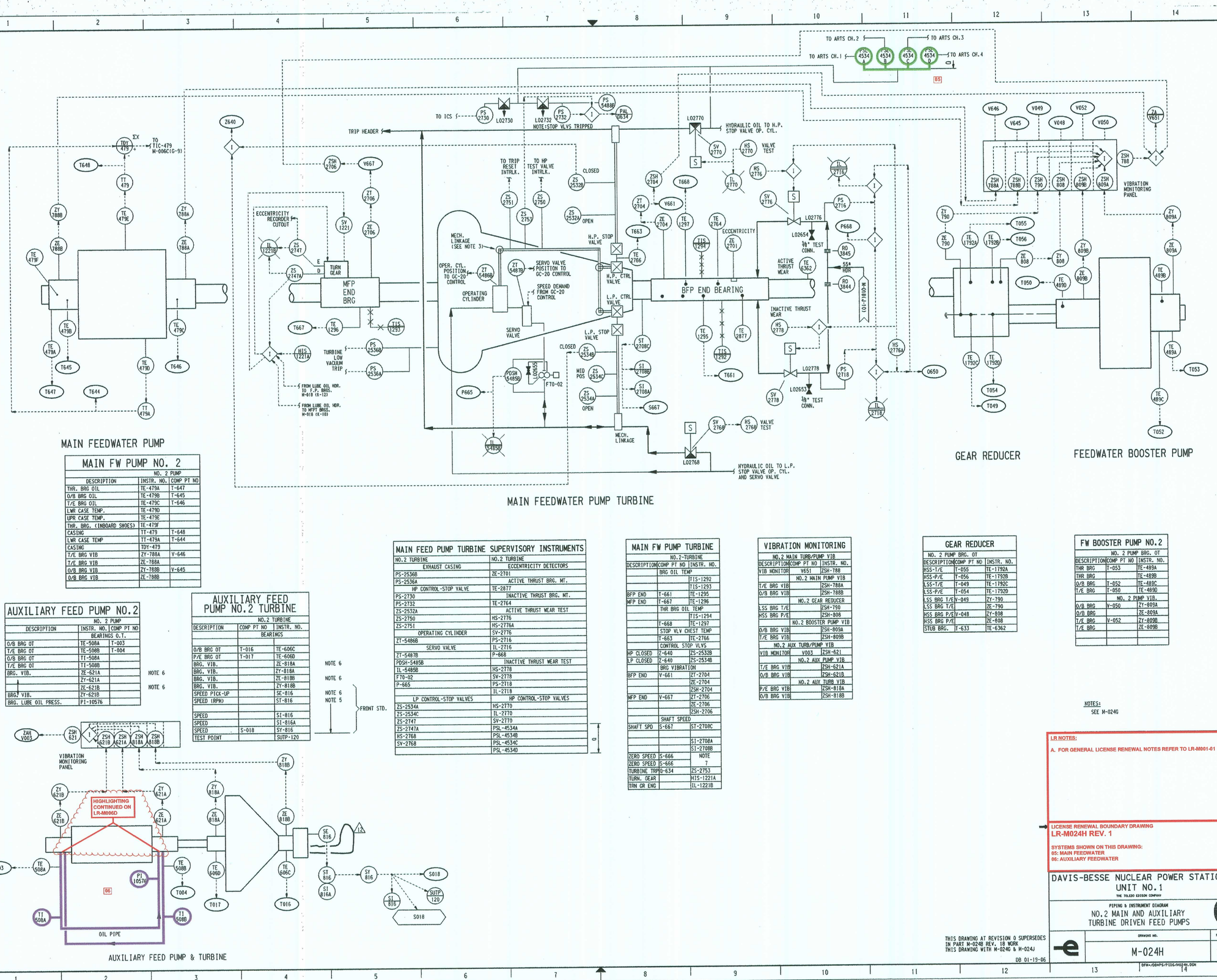

MAIN FW PUMP NO. 2		
	NO. 2 PUMP	
DESCRIPTION	INSTR. NO.	COMP PT NO
THR. BRG OIL	TE-479A	T-647
O/B BRG OIL	TE-479B	T-645
T/E BRG OIL	TE-479C	T-646
LWR CASE TEMP.	TE-479D	
UPR CASE TEMP.	TE-479E	
THR. BRG. (INBOARD SHOES)	TE-479F	
CASING	TT-479	T-648
LWR CASE TEMP	TT-479A	T-644
CASING	TDY-479	
T/E BRG VIB	ZY-788A	V-646
T/E BRG VIB	ZE-788A	
O/B BRG VIB	ZY-788B	V-645
O/B BRG VIB	ZE-788B	

AUXILIARY FEED PUMP NO.2			
	NO. 2 PUMP		
DESCRIPTION	INSTR. NO.	COMP PT NO	
	BEARINGS O.T.		
O/B BRG OT	TE-508A	T-003	
T/E BRG OT	TE-508B	T-004	
O/B BRG OT	TT-508A		
T/E BRG OT	TT-508B		
BRG. VIB.	ZE-621A		NOTE 6
	ZY-621A		
	ZE-621B		NOTE 6
BRG. VIB.	ZY-621B		
BRG. LUBE OIL PRESS.	PI-10576		

AUXILIARY FEED PUMP NO.2 TURBINE			
	NO.2 TURBINE		
DESCRIPTION	COMP PT NO	INSTR. NO.	
	BEARINGS		
O/B BRG OT	T-016	TE-606C	NOTE 6
P/E BRG OT	T-017	TE-606D	NOTE 6
BRG. VIB.		ZE-818A	NOTE 6
BRG. VIB.		ZY-818A	NOTE 5
BRG. VIB.		ZE-818B	FRONT STD.
BRG. VIB.		ZY-818B	
SPEED PICK-UP		SE-816	
SPEED (RPM)		ST-816	
		SI-816	
SPEED		SI-816A	
SPEED	S-018	SY-816	
TEST POINT		SUTP-120	

MAIN FEED PUMP TURBINE SUPERVISORY INSTRUMENTS	
NO.2 TURBINE	NO.2 TURBINE
EXHAUST CASING	ECCENTRICITY DETECTORS
PS-2536B	ZE-2701
PS-2536A	ACTIVE THRUST BRG. MT.
HP CONTROL-STOP VALVE	TE-2877
PS-2730	INACTIVE THRUST BRG. MT.
PS-2732	TE-2764
ZS-2532A	ACTIVE THRUST WEAR TEST
ZS-2750	HS-2776
ZS-2751	HS-2776A
OPERATING CYLINDER	SV-2776
ZT-5486B	PS-2716
SERVO VALVE	IL-2716
ZT-5487B	P-668
PDSH-5485B	INACTIVE THRUST WEAR TEST
IL-5485B	HS-2778
F70-02	SV-2778
P-665	PS-2718
	IL-2718
LP CONTROL-STOP VALVES	HP CONTROL-STOP VALVES
ZS-2534A	HS-2770
ZS-2534C	IL-2770
ZS-2747	SV-2770
ZS-2747A	PSL-4534A
HS-2768	PSL-4534B
SV-2768	PSL-4534C
	PSL-4534D

MAIN FW PUMP TURBINE		
NO.2 TURBINE		
DESCRIPTION	COMP PT NO	INSTR. NO.
	BRG OIL TEMP	
		TIS-1292
		TIS-1293
BFP END	T-661	TE-1295
MFP END	T-667	TE-1296
		TIS-1294
	THR BRG OIL TEMP	
	T-663	TE-1297
	T-668	TE-1297
	STOP VLV CHEST TEMP	
	T-663	TE-2766
	CONTROL STOP VLVS	
HP CLOSED	Z-640	ZS-2532B
LP CLOSED	Z-640	ZS-2534B
	BRG VIBRATION	
BFP END	V-661	ZT-2704
		ZE-2704
		ZSH-2704
MFP END	V-667	ZT-2706
		ZE-2706
		ZSH-2706
	SHAFT SPEED	
SHAFT SPD	S-667	ST-2708C
		SI-2708A
		SI-2708B
ZERO SPEED	S-666	NOTE 7
ZERO SPEED	S-666	
TURBINE TRIP	0-634	ZS-2753
TURN. GEAR		HIS-1221A
TRN GR ENG		IL-1221B

VIBRATION MONITORING		
NO.2 MAIN TURB/PUMP VIB		
DESCRIPTION	COMP PT NO	INSTR. NO.
VIB MONITOR	V651	ZSH-788
	NO.2 MAIN PUMP VIB	
T/E BRG VIB		ZSH-788A
O/B BRG VIB		ZSH-788B
	NO.2 GEAR REDUCER	
LSS BRG T/E		ZSH-790
HSS BRG P/E		ZSH-808
	NO.2 BOOSTER PUMP VIB	
O/B BRG VIB		ZSH-809A
T/E BRG VIB		ZSH-809B
NO.2 AUX TURB/PUMP VIB		
VIB MONITOR	V003	ZSH-621
	NO.2 AUX PUMP VIB	
T/E BRG VIB		ZSH-621A
O/B BRG VIB		ZSH-621B
	NO.2 AUX TURB VIB	
P/E BRG VIB		ZSH-818A
O/B BRG VIB		ZSH-818B

GEAR REDUCER		
NO. 2 PUMP BRG. OT		
DESCRIPTION	COMP PT NO	INSTR. NO.
HSS-T/E	T-055	TE-1792A
HSS-P/E	T-056	TE-1792B
LSS-T/E	T-049	TE-1792C
LSS-P/E	T-054	TE-1792D
LSS BRG T/E	V-049	ZY-790
LSS BRG T/E		ZE-790
HSS BRG P/E	V-048	ZY-808
HSS BRG P/E		ZE-808
STUB BRG.	T-633	TE-6362

FW BOOSTER PUMP NO.2		
	NO. 2 PUMP BRG. OT	
DESCRIPTION	COMP PT NO	INSTR. NO.
THR BRG	T-053	TE-489A
THR BRG		TE-489B
O/B BRG	T-052	TE-489C
T/E BRG	T-050	TE-489D
	NO. 2 PUMP VIB.	
O/B BRG	V-050	ZY-809A
O/B BRG		ZE-809A
T/E BRG	V-052	ZY-809B
T/E BRG		ZE-809B

NOTES:
SEE M-024G

LR NOTES:
A. FOR GENERAL LICENSE RENEWAL NOTES REFER TO LR-M001-01

LICENSE RENEWAL BOUNDARY DRAWING
LR-M024H REV. 1

SYSTEMS SHOWN ON THIS DRAWING:
05: MAIN FEEDWATER
06: AUXILIARY FEEDWATER

THIS DRAWING AT REVISION 0 SUPERSEDES IN PART M-024B REV. 18 WORK THIS DRAWING WITH M-024G & M-024J

DB 01-19-06

DAVIS-BESSE NUCLEAR POWER STATION
UNIT NO. 1
THE TOLEDO EDISON COMPANY

PIPING & INSTRUMENT DIAGRAM
NO.2 MAIN AND AUXILIARY TURBINE DRIVEN FEED PUMPS

DRAWING NO.	REV.
M-024H	12

DFW:/DBNPS/PIDS/M024H.DGN

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