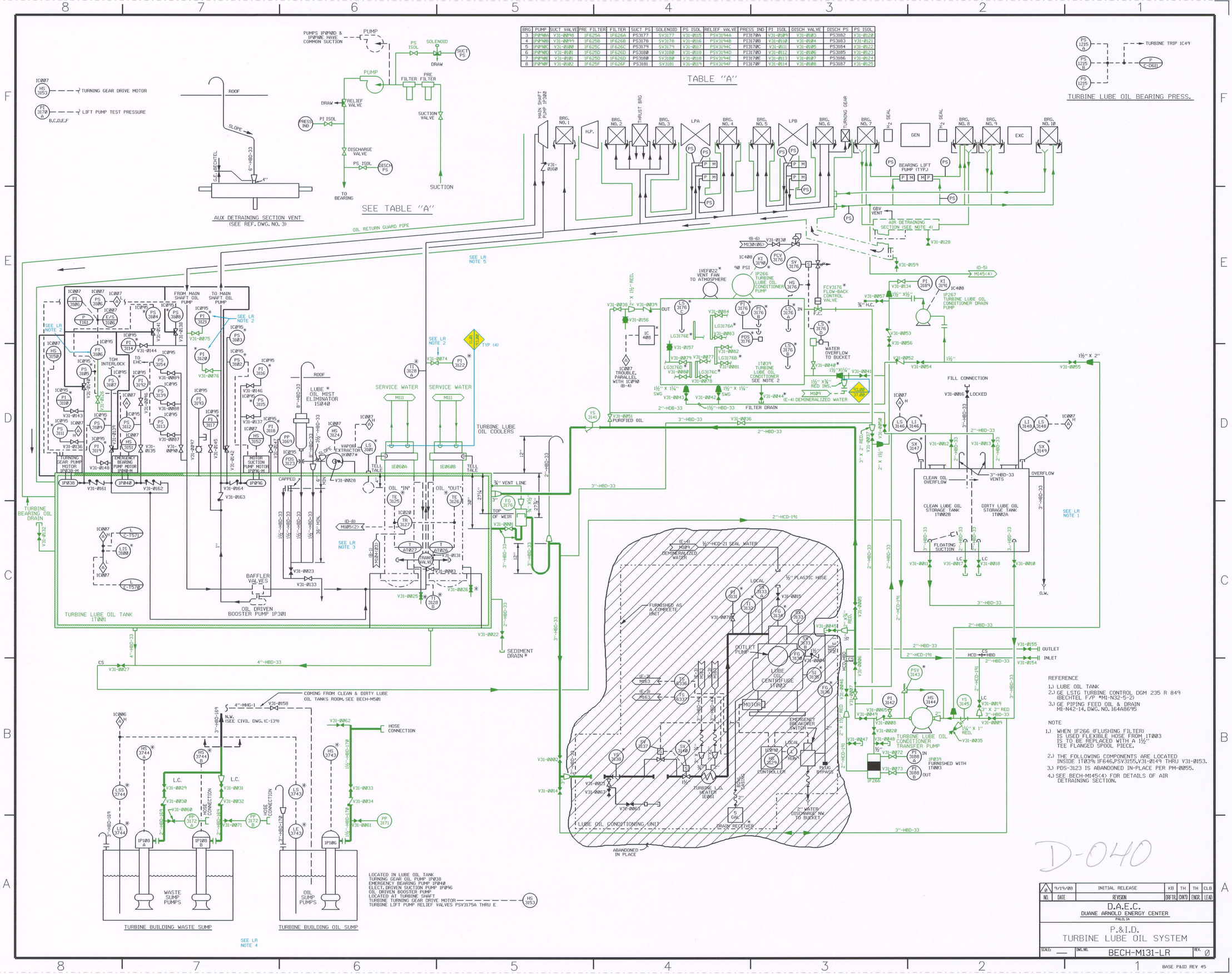
BRG	PUMP	SUCT VALVE	PRE FILTER	FILTER	SUCT PS	SOLENOID	PS ISOL	RELIEF VALVE	PRESS IND	PI ISOL	DISCH VALVE	DISCH PS	PS ISOL
3	IP090A	V31-0098	1F625A	1F626A	PS3177	SV3177	V31-0115	PSV3194A	PI3170A	V31-0109	V31-0103	PS3182	V31-0120
4	IP090B	V31-0099	1F625B	1F626B	PS3178	SV3178	V31-0116	PSV3194B	PI3170B	V31-0110	V31-0104	PS3183	V31-0121
5	IP090C	V31-0100	1F625C	1F626C	PS3179	SV3179	V31-0117	PSV3194C	PI3170C	V31-0111	V31-0105	PS3184	V31-0122
6	IP090D	V31-0101	1F625D	1F626D	PS3180	SV3180	V31-0118	PSV3194D	PI3170D	V31-0112	V31-0106	PS3185	V31-0123
7	IP090E	V31-0101	1F625D	1F626D	PS3180	SV3180	V31-0118	PSV3194E	PI3170E	V31-0113	V31-0107	PS3186	V31-0124
8	IP090F	V31-0102	1F625F	1F626F	PS3181	SV3181	V31-0119	PSV3194F	PI3170F	V31-0114	V31-0108	PS3187	V31-0125

TABLE "A"



REFERENCE

1.) LUBE OIL TANK
2.) GE LSTG TURBINE CONTROL DGM 235 R 849 (BECHTEL F/P M41-N32-5-2)
3.) GE PIPING FEED OIL & DRAIN M1-N42-14, DWG. NO. 164A8695

NOTE

1.) WHEN 1F266 (FLUSHING FILTER) IS USED FLEXIBLE HOSE FROM 1T003 IS TO BE REPLACED WITH A 1½" TEE FLANGED SPOOL PIECE.

2.) THE FOLLOWING COMPONENTS ARE LOCATED INSIDE 1T039: 1F646, PSV3155, V31-0149 THRU V31-0153.

3.) PDS-3123 IS ABANDONED IN-PLACE PER PM-0055.

4.) SEE BECH-M145(4) FOR DETAILS OF AIR DETRAINING SECTION.

D-040

LR NOTES:

1. CLEAN AND DIRTY LUBE OIL STORAGE TANKS 1T002A/B ARE LOCATED WITHIN A CONCRETE ENCLOSURE AND HAVE NO POTENTIAL TO AFFECT SAFETY RELATED EQUIPMENT.
2. THE INSTRUMENT ISOLATION AND SUPPLY TUBING HOUSED INSIDE OF 1C095 DO NOT HAVE THE POTENTIAL TO AFFECT SAFETY RELATED EQUIPMENT. THE INSTRUMENT ISOLATIONS AND SUPPLY TUBING FOR PT3186, PI3120, PI3121 AND PI3122 ARE LOCATED EXTERNAL TO 1C095 OR AT THE MAIN TURBINE FRONT STANDARD AND CAN POTENTIALLY AFFECT SAFETY RELATED EQUIPMENT.
3. COMPONENTS HOUSED WITHIN THE TURBINE LUBE OIL TANK 1T001 DO NOT HAVE A POTENTIAL TO AFFECT SAFETY RELATED EQUIPMENT.
4. COMPONENTS HOUSED WITHIN THE TURBINE BUILDING WASTE SUMP AND TURBINE BUILDING OIL SUMP DO NOT HAVE A POTENTIAL TO AFFECT SAFETY RELATED EQUIPMENT.
5. ALL TURBINE LUBE OIL PRESSURIZED PIPING SUPPLYING THE TURBINE FRONT STANDARD, TURBINE BEARINGS 1 THROUGH 6 AND THE TURNING GEAR ARE HOUSED WITHIN THE OIL RETURN GUARD PIPE AND DO NOT HAVE A POTENTIAL TO AFFECT SAFETY RELATED EQUIPMENT.

LR LEGEND:

- COMPONENTS IN SCOPE PER 10CFR54.4(aX1) AND/OR (aX3) AND SUBJECT TO AMR PER 54.21
- COMPONENTS NOT SUBJECT TO AMR
- COMPONENTS IN SCOPE PER 10CFR54.4(aX2) AND SUBJECT TO AMR PER 54.21

SYSTEM BOUNDARY INTERFACE

- 11.01 GENERAL SERVICE WATER
- 37.00 CONDENSATE AND DEMIN WATER
- 93.00 MAIN TURBINE

NO.	DATE	REVISION	DRFTR.	CHK'D	ENGR.	LEAD
0	9/19/00	INITIAL RELEASE	KB	TH	TH	CLB

D.A.E.C.
DUANE ARNOLD ENERGY CENTER
PALO, IA

P.&I.D.
TURBINE LUBE OIL SYSTEM

SCALE: — DWG. NO. BECH-M131-LR REV. 0

BASE P&ID REV 45