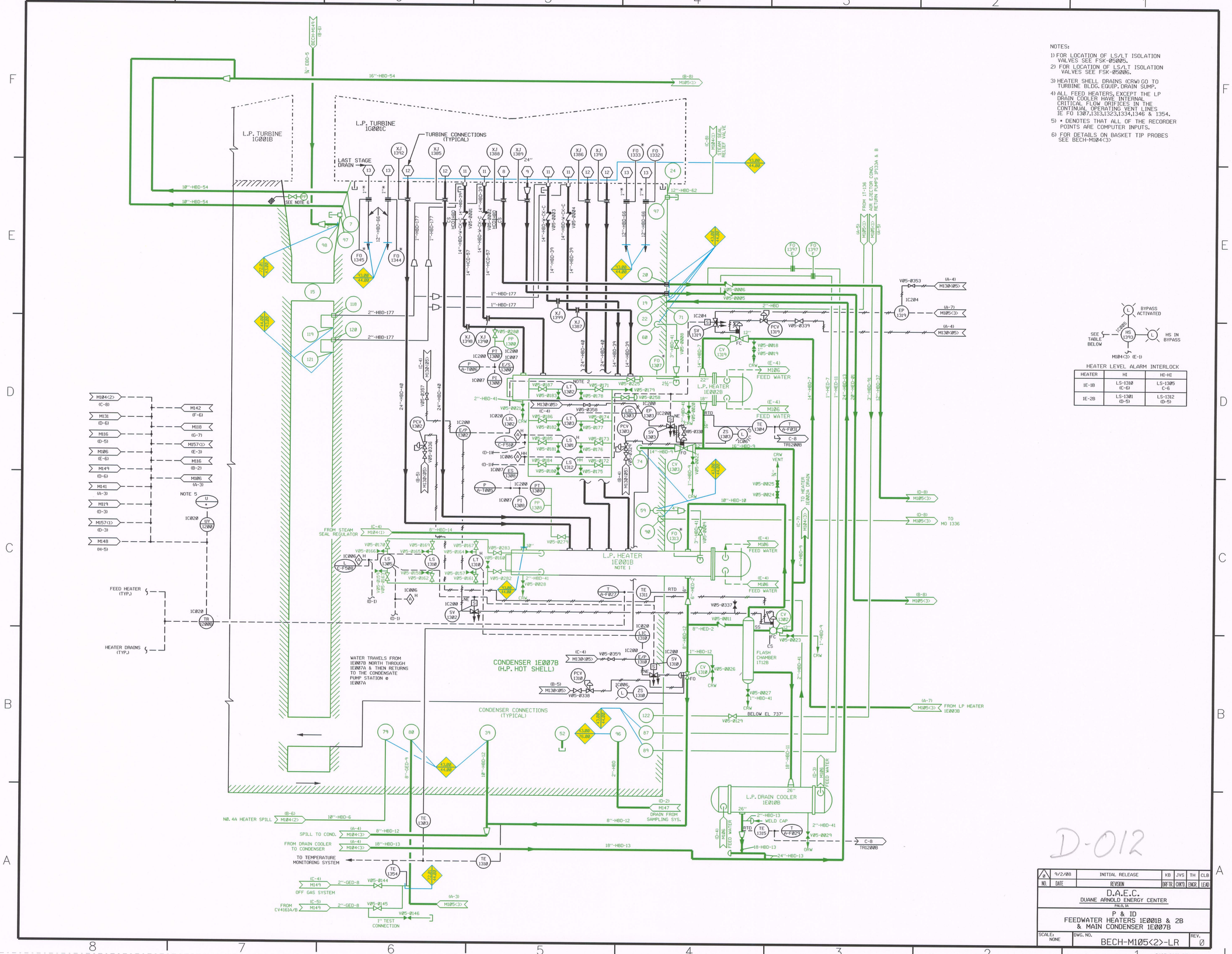

NOTES:

1) FOR LOCATION OF LS/LT ISOLATION VALVES SEE FSK-05005.
2) FOR LOCATION OF LS/LT ISOLATION VALVES SEE FSK-05006.
3) HEATER SHELL DRAINS (CRW) GO TO TURBINE BLDG. EQUIP. DRAIN SUMP.
4) ALL FEED HEATERS, EXCEPT THE LP DRAIN COOLER HAVE INTERNAL CRITICAL FLOW ORIFICES IN THE CONTINUAL OPERATING VENT LINES IE FO 1307,1313,1323,1334,1346 & 1354.
5) • DENOTES THAT ALL OF THE RECORDER POINTS ARE COMPUTER INPUTS.
6) FOR DETAILS ON BASKET TIP PROBES SEE BECH-M104<3>

HEATER LEVEL ALARM INTERLOCK

HEATER	HI	HI-HI
1E-1B	LS-1310 (C-6)	LS-1305 C-6
1E-2B	LS-1301 (D-5)	LS-1312 (D-5)

D-012

NO.	DATE	REVISION	DR'TR.	CHK'D.	ENGR.	LEAD
0	9/2/08	INITIAL RELEASE	KB	JVS	TH	CLB

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

P & ID
FEEDWATER HEATERS 1E001B & 2B
& MAIN CONDENSER 1E007B

SCALE: NONE | DWG. NO. BECH-M105<2>-LR | REV. 0

BASE P&ID REV 21

LR NOTES

1. COMPONENTS AND PIPING INSIDE THE MAIN CONDENSER ARE NOT IN SCOPE FOR LICENSE RENEWAL
2. ALL EXPOSED DRAIN PIPING AND FUNNELS ARE IN SCOPE FOR LICENSE RENEWAL.

LR LEGEND:

- COMPONENTS IN SCOPE PER 10CFR54.4(a)(1) AND/OR (a)(3) AND SUBJECT TO AMR PER 54.21
- COMPONENTS NOT SUBJECT TO AMR
- COMPONENTS IN SCOPE PER 10CFR54.4(a)(2) AND SUBJECT TO AMR PER 54.21
- SYSTEM BOUNDARY INTERFACE

43.00 MAIN CONDENSER
44.00 CONDENSATE
72.01 OFFGAS SYSTEM
76.00 TB SAMPLING
93.00 MAIN TURBINE