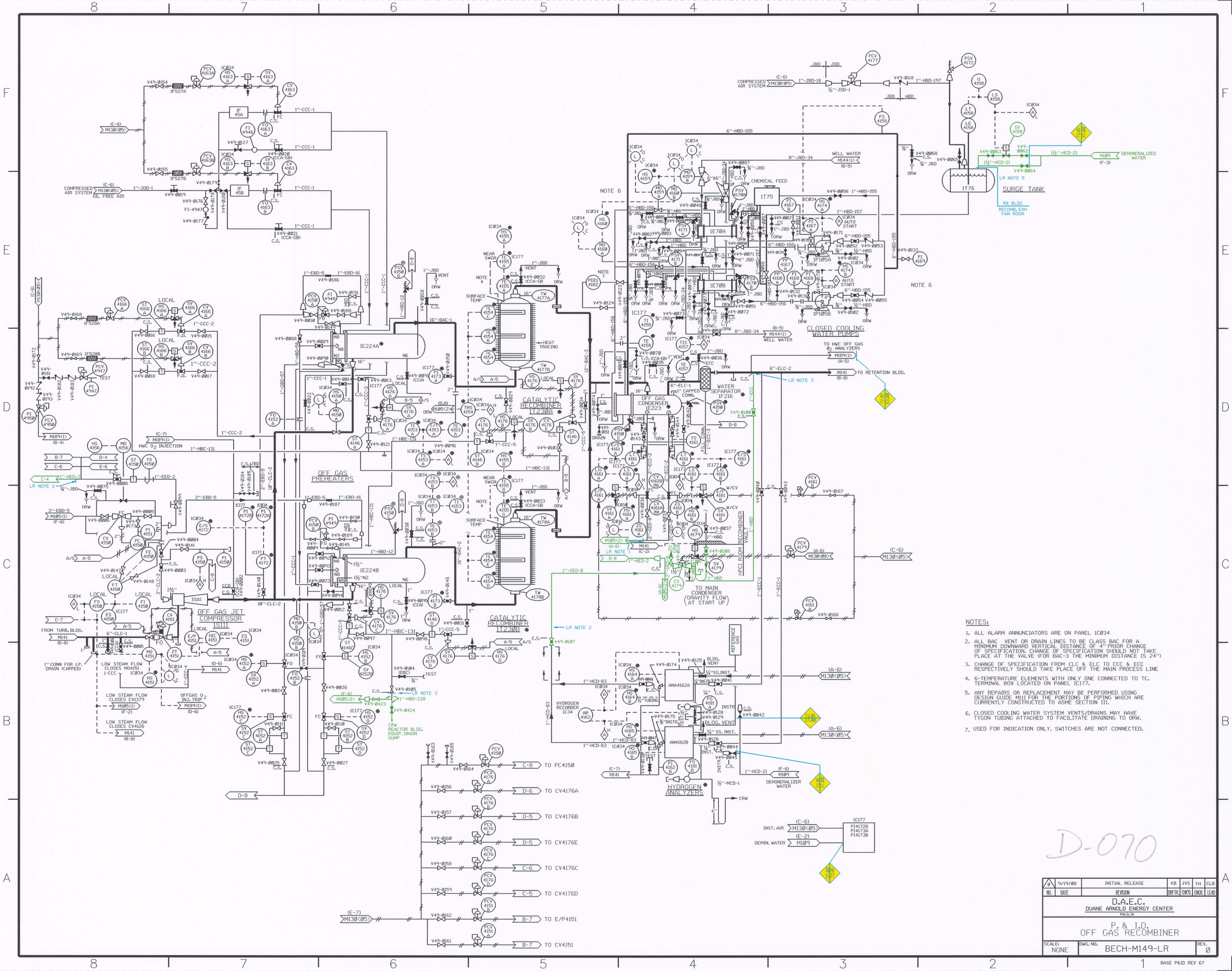

NOTES:

1. ALL ALARM ANNUNCIATORS ARE ON PANEL 1C034
2. ALL BAC VENT OR DRAIN LINES TO BE CLASS BAC FOR A MINIMUM DOWNWARD VERTICAL DISTANCE OF 4" PRIOR CHANGE OF SPECIFICATION. CHANGE OF SPECIFICATION SHOULD NOT TAKE PLACE AT THE VALVE (FOR BAC-3 THE MINIMUM DISTANCE IS 24")
3. CHANGE OF SPECIFICATION FROM CLC & ELC TO CCC & ECC RESPECTIVELY SHOULD TAKE PLACE OFF THE MAIN PROCESS LINE
4. 6-TEMPERATURE ELEMENTS WITH ONLY ONE CONNECTED TO TC. TERMINAL BOX LOCATED ON PANEL 1C177.
5. ANY REPAIRS OR REPLACEMENT MAY BE PERFORMED USING DESIGN GUIDE M111 FOR THE PORTIONS OF PIPING WHICH ARE CURRENTLY CONSTRUCTED TO ASME SECTION III.
6. CLOSED COOLING WATER SYSTEM VENTS/DRAINS MAY HAVE TYGON TUBING ATTACHED TO FACILITATE DRAINING TO DRW.
7. USED FOR INDICATION ONLY. SWITCHES ARE NOT CONNECTED.

LR NOTES:

1. THE COMPONENTS IN REACTOR BLDG.1ST FLOOR (754) OFF-GAS WEST VAULT (RB163) WHERE THE OFF-GAS CONDENSER RESIDES, ARE NOT SAFETY RELATED. ONCE THE PIPE LEAVES THE ROOM DOWNSTREAM OF V45-0038 AND V49-0039, THE PIPE LEAVES REACTOR BLDG 163 AND INTO AREAS THAT CONTAIN SAFETY RELATED COMPONENTS.
2. THE PIPE 1-HED-2 AND 1-GED-8 IS IN SCOPE FOR LICENSE RENEWAL CRITERION (a)(2) AS IT RUNS THROUGH AREAS THAT CONTAIN SAFETY RELATED COMPONENTS. THE GED-8 PIPE IS NOT IN SCOPE FOR CRITERION (a)(2) WHEN IT GOES UNDERGROUND AND THE HED-2 PIPE IS NO LONGER IN SCOPE FOR CRITERION (a)(2) WHEN IT ENTERS THE (REACTOR BLDG, 165) RB, 1ST FLOOR (757) OFF-GAS EAST VAULT.
3. THESE SECTIONS OF PIPE ARE IN SCOPE FOR CRITERION (a)(2) AS THEY ARE DRAIN PIPING THAT POSSIBLY CONTAIN WATER AND ARE IN AREAS THAT CONTAIN SAFETY RELATED COMPONENTS.
4. ALL EXPOSED DRAIN PIPES AND FUNNELS ARE IN SCOPE FOR LICENSE RENEWAL.
5. THE OFF-GAS RECOMBINER CLOSED COOLING WATER SURGE TANK (1T076) IS IN A ROOM WITH NO SAFETY RELATED COMPONENTS. THE DEMIN WATER LINE RUNS THROUGH AN AREA OF THE PLANT THAT CONTAINS SAFETY RELATED COMPONENTS AND IS IN SCOPE FOR CRITERION (a)(2). FSK-4673 SHOWS WHERE THE PIPE TRANSITIONS FROM THE TANK ROOM.

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
  - 37.00 CONDENSATE AND DEMIN WATER
  - 63.00 HYDROGEN WATER CHEMISTRY
  - 72.01 OFF-GAS EXHAUST

D-070

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

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

P. & I.D.
OFF GAS RECOMBINER

SCALE: NONE | DWG. NO. BECH-M149-LR | REV. 0

BASE P&ID REV 67