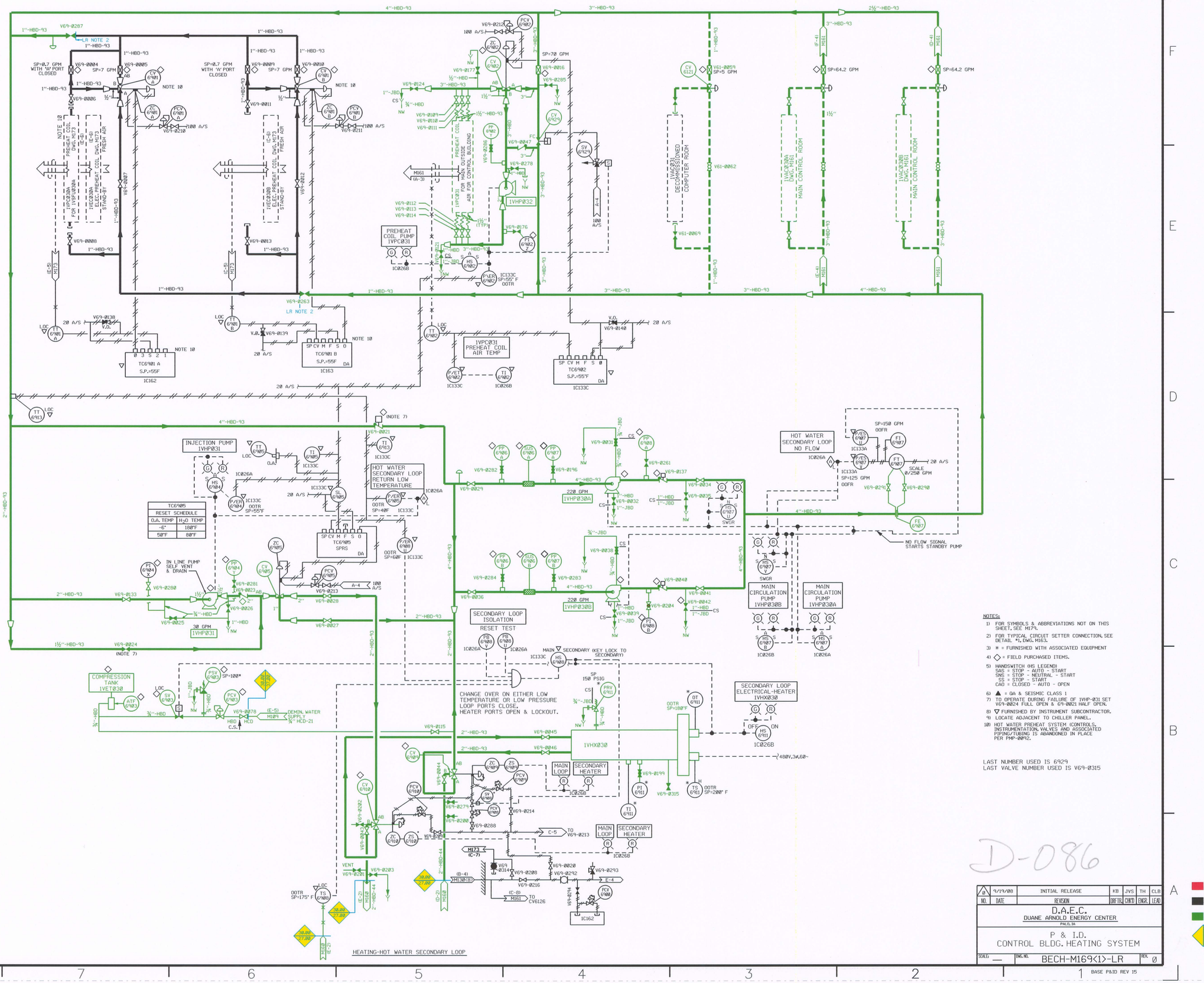

NOTES:

1) FOR SYMBOLS & ABBREVIATIONS NOT ON THIS SHEET, SEE M179.
2) FOR TYPICAL CIRCUIT SETTER CONNECTION, SEE DETAIL #1, DWG. M163.
3) ✳ = FURNISHED WITH ASSOCIATED EQUIPMENT
4) ◇ = FIELD PURCHASED ITEMS.
5) HANDSWITCH (HS LEGEND)
   SAS = STOP - AUTO - START
   SNS = STOP - NEUTRAL - START
   SS = STOP - START
   CAO = CLOSED - AUTO - OPEN
6) ▲ = QA & SEISMIC CLASS 1
7) TO OPERATE DURING FAILURE OF 1VHP-031 SET V69-0024 FULL OPEN & 69-0021 HALF OPEN.
8) ▽ FURNISHED BY INSTRUMENT SUBCONTRACTOR.
9) LOCATE ADJACENT TO CHILLER PANEL.
10) HOT WATER PREHEAT SYSTEM (CONTROLS, INSTRUMENTATION, VALVES AND ASSOCIATED PIPING/TUBING IS ABANDONED IN PLACE PER PMP-0092.

LAST NUMBER USED IS 6929
LAST VALVE NUMBER USED IS V69-0315

LR NOTES:

1. ALL EXPOSED DRAIN PIPING AND FUNNELS ARE IN SCOPE FOR LICENSE RENEWAL.
2. COMPONENTS AND PIPING DOWNSTREAM OF V69-0263 AND UPSTREAM OF V69-0287 ARE ABANDONED IN PLACE.

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
27.00 AUXILIARY HEATING SYSTEM BOILER
30.00 CONTROL BUILDING HVAC
37.00 CONDENSATE AND DEMINERALIZED WATER

D-086

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

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

P & I.D.
CONTROL BLDG. HEATING SYSTEM

SCALE: —
DWG NO. BECH-M169X1-LR
REV. Ø

BASE P&ID REV 15