UNIT HEATER VENT VALVE SCHEDULE

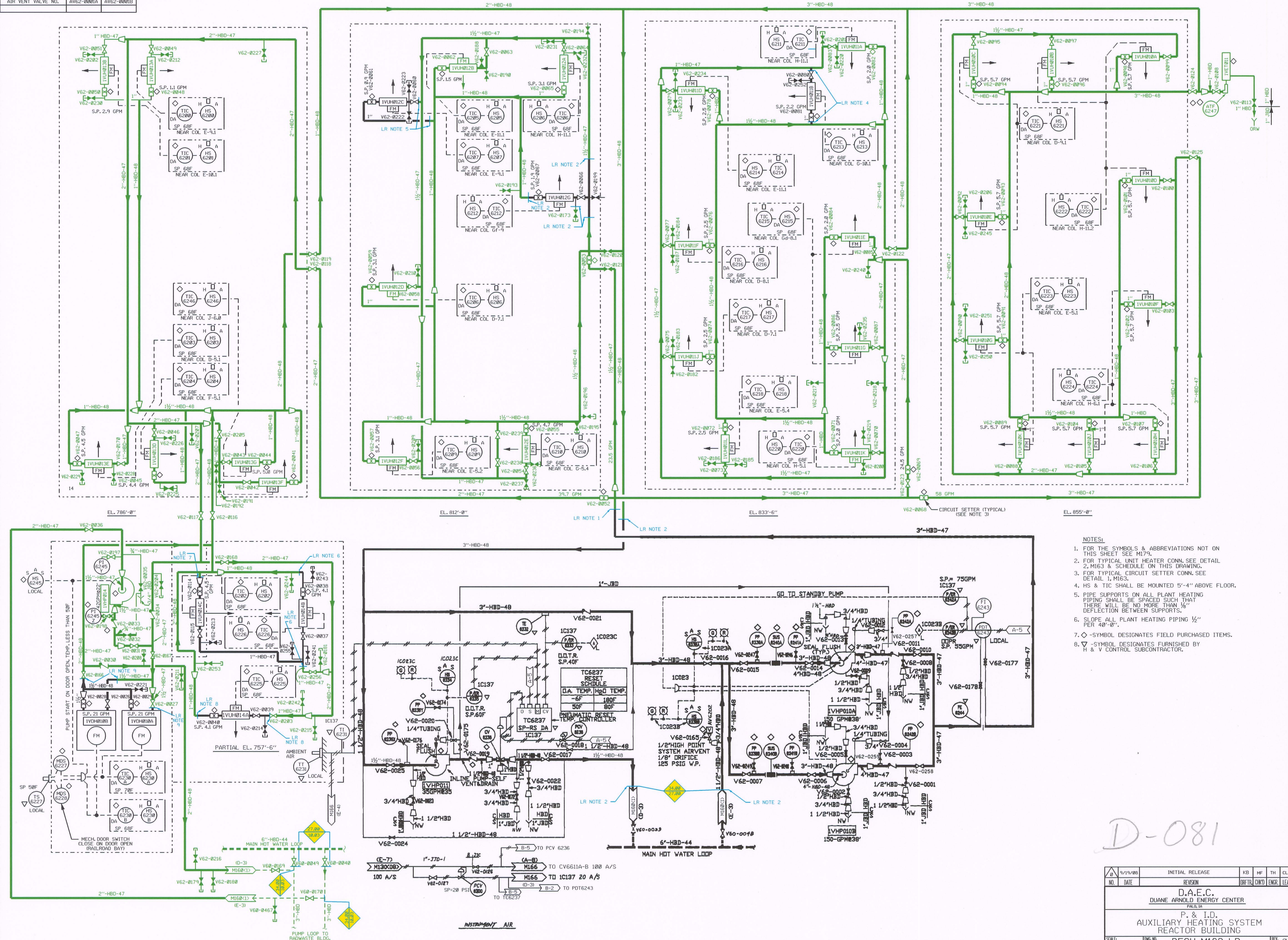
UNIT HEATER NO.	1VUH-010A	1VUH-010B	1VUH-010C	1VUH-010D	1VUH-010E	1VUH-010F	1VUH-010G	1VUH-010H	1VUH-010J	1VUH-010K	1VUH-011A	1VUH-011B
SHUT OFF VALVE NO.	V62-0128	V62-0129	V62-0130	V62-0131	V62-0132	V62-0133	V62-0134	V62-0135	V62-0136	V62-0137	V62-0138	V62-0139
AIR VENT VALVE NO.	AV62-0010A	AV62-0010B	AV62-0010C	AV62-0010D	AV62-0010E	AV62-0010F	AV62-0010G	AV62-0010H	AV62-0010J	AV62-0010K	AV62-0011A	AV62-0011B

UNIT HEATER NO.	1VUH-011D	1VUH-011E	1VUH-011F	1VUH-011G	1VUH-011J	1VUH-011K	1VUH-011L	1VUH-012A	1VUH-012B	1VUH-012C	1VUH-012D	1VUH-012E
SHUT OFF VALVE NO.	V62-0140	V62-0141	V62-0142	V62-0143	V62-0144	V62-0145	V62-0146	V62-0147	V62-0148	V62-0149	V62-0150	V62-0151
AIR VENT VALVE NO.	AV62-0011D	AV62-0011E	AV62-0011F	AV62-0011G	AV62-0011J	AV62-0011K	AV62-0011L	AV62-0012A	AV62-0012B	AV62-0012C	AV62-0012D	AV62-0012E

UNIT HEATER NO.	1VUH-012F	1VUH-012G	1VUH-013A	1VUH-013B	1VUH-013D	1VUH-013E	1VUH-013F	1VUH-013G		1VUH-014B	1VUH-014C
SHUT OFF VALVE NO.	V62-0152	V62-0153	V62-0154	V62-0155	V62-0156	V62-0157	V62-0158	V62-0159		V62-0161	V62-0162
AIR VENT VALVE NO.	AV62-0012F	AV62-0012G	AV62-0013A	AV62-0013B	AV62-0013D	AV62-0013E	AV62-0013F	AV62-0013G		AV62-0014B	AV62-0014C

DOOR HEATER VENT VALVE SCHEDULE

DOOR HEATER NO.	1VDH-010A	1VDH-010B
SHUT OFF VALVE NO.	V62-0163	V62-0164
AIR VENT VALVE NO.	AV62-0001A	AV62-0001B



NOTES:

1. FOR THE SYMBOLS & ABBREVIATIONS NOT ON THIS SHEET SEE M179.
2. FOR TYPICAL UNIT HEATER CONN. SEE DETAIL 2, M163 & SCHEDULE ON THIS DRAWING.
3. FOR TYPICAL CIRCUIT SETTER CONN. SEE DETAIL 1, M163.
4. HS & TIC SHALL BE MOUNTED 5'-4" ABOVE FLOOR.
5. PIPE SUPPORTS ON ALL PLANT HEATING PIPING SHALL BE SPACED SUCH THAT THERE WILL BE NO MORE THAN 1/8" DEFLECTION BETWEEN SUPPORTS.
6. SLOPE ALL PLANT HEATING PIPING 1/2" PER 40'-0".
7. ◇ -SYMBOL DESIGNATES FIELD PURCHASED ITEMS.
8. ▽ -SYMBOL DESIGNATES FURNISHED BY H & V CONTROL SUBCONTRACTOR.

D-081

LR NOTES:

1. FSK-03173 SHOWS WHERE THE PIPE 3"-HBD-47 LEAVES THE REACTOR BUILDING 3RD FLOOR (812) HOT WATER PUMPS ROOM DOWNSTREAM OF FE-6644. PIPING AND COMPONENTS INSIDE THE ROOM ARE NOT IN SCOPE FOR LICENSE RENEWAL.
2. COMPONENTS AND PIPING IN THE REACTOR BUILDING 3RD FLOOR (812) HOT WATER PUMP ROOM (RB360) ARE NOT IN SCOPE FOR LICENSE RENEWAL. PUMPS 1VHP011A, 1VHP010A, 1VHP010B, AND COMPONENTS ARE IN THIS ROOM.
3. ALL EXPOSED DRAIN PIPE AND FUNNELS ARE IN SCOPE FOR LICENSE RENEWAL.
4. THE HEATER (1VUH011B) AND ASSOCIATED VALVE (V62-0081) ARE IN RB410, REACTOR BUILDING 4TH FLOOR (823) COND. PHASE SEPARATOR ROOM. V62-0080 IS IN RB412, REACTOR BUILDING 4TH FLOOR (833), COND. PHASE SEPARATOR HMV522. V62-0252 IS IN RB4, REACTOR BUILDING 4TH FLOOR (833). PIPING AND COMPONENTS IN THOSE ROOMS ARE NOT IN SCOPE FOR LICENSE RENEWAL.
5. THE HEATER (1VUH012C) AND ASSOCIATED VALVES ARE IN RB310 REACTOR BUILDING 3RD FLOOR (812) FUEL POOL F/D PUMP ROOM. PIPING AND COMPONENTS IN THIS ROOM ARE NOT IN SCOPE FOR LICENSE RENEWAL.
6. THE HEATER (1VUH014B) AND ASSOCIATED VALVES ARE IN RB162, REACTOR BUILDING 1ST FLOOR (757) OFF/GAS CLOSED LOOP HEAT EXCHANGER AREA. PIPING AND COMPONENTS IN THIS ROOM ARE NOT IN SCOPE FOR LICENSE RENEWAL.
7. THE HEATER (1VUH014C) AND ASSOCIATED VALVES ARE IN RB161, REACTOR BUILDING 1ST FLOOR (757) OFF/GAS SUCTION FAN ROOM. PIPING AND COMPONENTS IN THIS ROOM ARE NOT IN SCOPE FOR LICENSE RENEWAL.
8. THE HEATER (1VUH014A) AND ASSOCIATED VALVES ARE IN RB166, REACTOR BUILDING 1ST FLOOR (757) OFF/GAS PRE-FILTRATION ROOM. PIPING AND COMPONENTS IN THIS ROOM ARE NOT IN SCOPE FOR LICENSE RENEWAL.
9. THE HEATER (1VDH010A AND 1VDH010B) AND ASSOCIATED VALVES ARE IN OG160, OFF/GAS RETENTION BUILDING 1ST FLOOR (757). PIPING AND COMPONENTS IN THIS ROOM ARE NOT IN SCOPE FOR LICENSE RENEWAL.

LR LEGEND:

- (red) COMPONENTS IN SCOPE PER 10CFR54.4(a)(1) AND/OR (a)(3) AND SUBJECT TO AMR PER 54.21
- (black) COMPONENTS NOT SUBJECT TO AMR
- (green) COMPONENTS IN SCOPE PER 10CFR54.4(a)(2) AND SUBJECT TO AMR PER 54.21
- (yellow diamond) SYSTEM BOUNDARY INTERFACE
  - 10.03 PLANT VENTILATION
  - 27.00 AUXILIARY HEATING SYSTEM BOILER
  - 34.00 REACTOR BUILDING HVAC

NO.	DATE	REVISION	DRFTR.	CHK'D	ENGR.	LEAD
0	9/19/08	INITIAL RELEASE	KB	MF	TH	CLB

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

P. & I.D.
AUXILIARY HEATING SYSTEM
REACTOR BUILDING

SCALE: ___ DWG. NO. BECH-M162-LR REV. 0

BASE P&ID REV 22