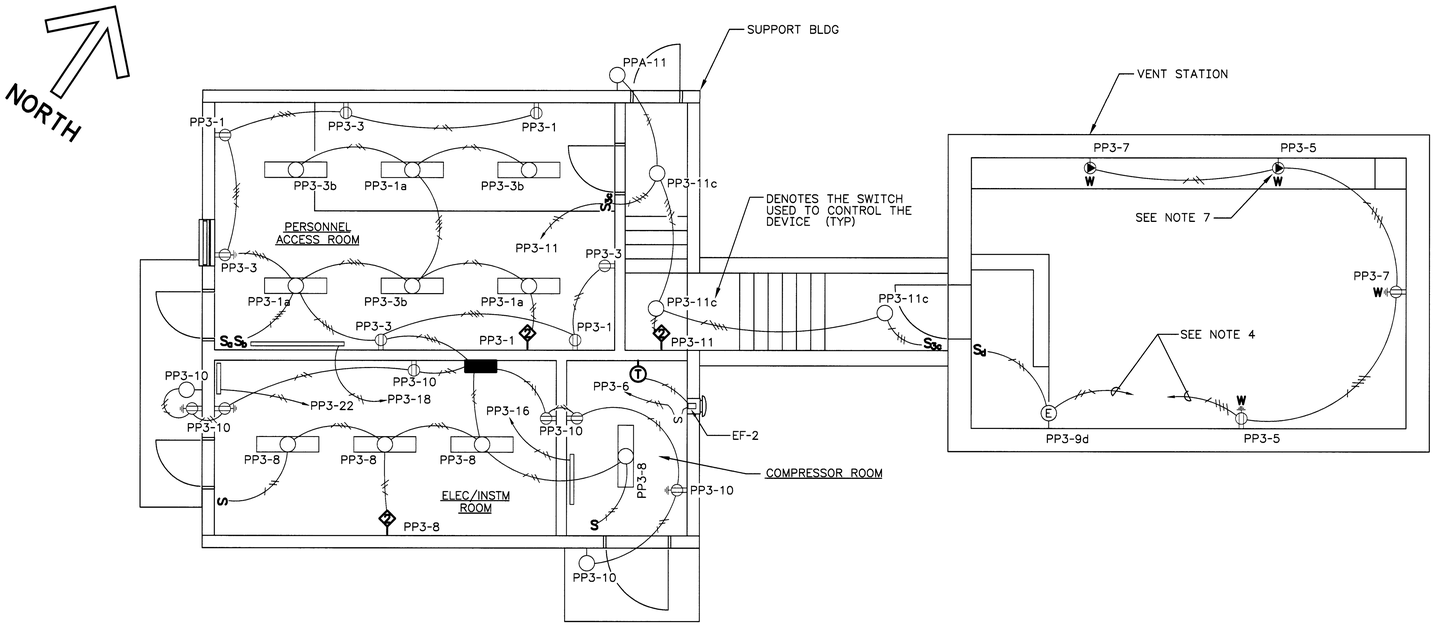

PLAN
1/4" = 1'-0"

PANELBOARD PP-3 LOCATION 6241-V (SUPPORT BLDG) VOLTS 240/120VAC
MFG & TYPE POWER SUPPLIED FROM DISTR PNLBD DP-1 1PH,3W
CKT BRKR TYPE BOLT-ON
NEMA TYPE ENCL 12 ☒ MAIN CKT BRKR ☐ PANELBOARD GROUND FAULT PROTECTION 225 AMP BUS
☒ SURFACE MOUNTED ☐ MAIN LUGS ONLY 225 AMP NEUT
☐ FLUSH MOUNTED ☒ TOP ☐ BOT ☒ GROUND BUS

SERVICE	VA	NO.	A	B	NO.	VA	SERVICE
PERSONNEL ACCESS RM RCPT & LTG	825	1	20	15	2		SPARE
PERSONNEL ACCESS RM RCPT & LTG	910	3	20	15	4	100	PIPING LEAK DET CAB LDK-3161
VENT STA RCPT	360	5	20	20	6	530	COMPRESSOR ROOM EXHAUST FAN EF-2
VENT STA RCPT	360	7	20	20	8	360	E/I & CPRSR ROOM LTG
VENT STA LIGHTING	150	9	20	20	10	1150	E/I & CPRSR ROOM RCPT & OUTDOOR LTG
ENTRY STAIRWAY LTG & OUTDOOR LTG	565	11	20	20	12	540	PCU-3 PWR SPLY
SOLENOID VALVES	45	13	20	20	14	720	PCU-3 PWR SPLY/RCPT.
SPARE		15	20	20	16	1000	COMPRESSOR ROOM BASEBOARD HTR BH-6
SPARE		17	20	30	18	4500	PERSONNEL ACCESS RM BASEBOARD HTR BH-4
		19			20		
SPARE		21	20	20	22	2000	ELEC/INSTM ROOM BASEBOARD HTR BH-5
		23			24		
LEAK DET SHT DN CKT	30	25	20	20	26	180	PORTABLE HVAC EQUIP GFCI RCPT
SPARE		27	20	20	28		SPARE
SPARE		29	20	20	30		SPARE
SPACE		31			32		SPACE
SPACE		33			34		SPACE
SPACE		35			36		SPACE
			S/N				

LEGEND

- = FLUORESCENT FIXTURE, SURFACE MOUNTED, 84 WATTS (MTG HGT = AT CEILING HGT)
- = INCANDESCENT FIXTURE, WITH CEILING MOUNTED FEED THRU BOX, 150 WATTS
- = LOW PRESSURE SODIUM FIXTURE, OUTDOOR, WALL MOUNTED, 35 WATTS (MTG HGT = 7'-6") SEE NOTE 9 ON H-6-14011.
- E = INCANDESCENT FIXTURE, WALL MOUNTED ON CAST OUTLET BOX, 150 WATTS (MTG HGT = 7'-6")
- = EMERGENCY LIGHT, WALL MOUNTED (MTG HGT = 7'-6")
- = GFCI DUPLEX RECEPTACLE MOUNTED IN WEATHERPROOF BOX & COVER (OUTDOORS) OR FD CAST BOX & COVER (INDOORS). MTG HGT = 1'-6" ABOVE PAD OR FINISHED FLOOR. SEE NOTE 9 ON H-6-14011.
- = DUPLEX RECEPTACLE MOUNTED IN FD CAST BOX & COVER (MTG HGT = 1'-6" ABOVE FINISHED FLOOR)
- W = SINGLE LOCKING RECEPTACLE (TWIST-LOCK) MOUNTED IN FD CAST BOX & WEATHERPROOF COVER (MTG HGT = 2'-6" ABOVE SHIELD FLOOR)
- W = GFCI DUPLEX RECEPTACLE MOUNTED IN FD CAST BOX & WEATHERPROOF COVER (MTG HGT = 2'-6" ABOVE SHIELD FLOOR)
- S = LIGHTING TOGGLE SWITCH, MOUNTED IN FD CAST BOX & COVER (MTG HGT = 4'-0" ABOVE FINISHED FLOOR)
- S_3 = LIGHTING TOGGLE SWITCH, THREE WAY, MOUNTED IN FD CAST BOX & COVER (MTG HGT = 4'-0" ABOVE FINISHED FLOOR)
- T = THERMOSTAT (BY OTHERS)
- = BASEBOARD HEATER

NOTES :

1. ABBREVIATIONS ARE PER ASME Y1.1-1989.
2. MOUNT LIGHTING FIXTURES, RECEPTACLES AND ALL OTHER ELECTRICAL EQUIPMENT IN APPROX LOCATIONS SHOWN.
3. SEE CONSTRUCTION SPECIFICATION W-058-C3, SECTION 16400 FOR MATERIAL DESCRIPTION AND INSTALLATION INSTRUCTIONS UNLESS OTHERWISE NOTED.
4. ROUTE CONDUIT TO JUNCTION BOX JB-NK1 AND CONTINUE TO PP-3. SEE DWG H-6-14015, SH 1 AND CONDUIT & CABLE SCHEDULE (SPEC W-058-C3).
5. NOT USED
6. CORE DRILL WALLS AS REQUIRED FOR LIGHTING & RECEPTACLE FEEDS AND SEAL WITH APPROVED SEALING COMPOUND.
7. MOUNT RECEPTACLE BOXES HORIZONTALLY WITH CONDUIT ROUTED AT THE SAME ELEVATION AROUND PERIMETER OF VENT STATION.

THIS DRAWING WAS MODIFIED BY THE FOLLOWING PROJECT DRAWING:
H-14-101194-1, REV 3

JAN 12 2012 DATE: STA: 4 HANFORD RELEASE ID: 17

DWG NO	TITLE
H-14-101193-3	ELEC PWR & CNTRL MPS DIV BOX PLAN
H-14-105161	GFCI RCPT POWER SOURCE SCHEDULE
H-2-822200	DRAWING LIST
REF NUMBER	TITLE

DRAWING TRACEABILITY LIST — REFERENCES — NEXT USED ON

REV NO	DESCRIPTION	REV BY DATE	DRAFTING APPVD	ENGR	COMPANY
R3 8	DIRECT REV PER ECN-11-001346	MAC 11/11	RN KYLE		WRPS

REVISIONS

	NAME	DATE	COMPANY
DRAWN BY			
ENGINEER			

SEE REVISION 0

U.S. DEPARTMENT OF ENERGY
Office of River Protection

ELECTRICAL LTG PLAN & PNL SCHED VENT STATION 6241-V

SIZE	BLDG NO	INDEX NO	DWG NO	REV
F	6241V	7401 7404	H-6-14014	8

SCALE SHOWN EDIT CR1320 SHEET 1 OF 1

23804 DOE_TB_F.DWG (01-01)

DWG NO H-6-14014 SH 1 OF 1 REV 8