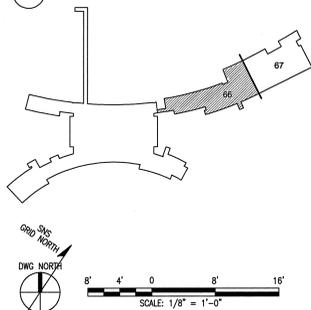


**KEY NOTES: (cont'd.)**

- N017 IN TOILETS, PROVIDE 120V, 20A RECEPTACLE UNDER EACH SINK, 12" BELOW COUNTER, FOR USE WITH FAUCET MOTION DETECTOR. OBTAIN POWER FROM GFI RECEPT ABOVE COUNTER. COORDINATE INSTALLATION WITH OTHER TRADES.
- N018 AT EACH UNIT HEATER INSTALL VENDOR-FURNISHED T'STAT. SEE DET 6/EB.11.43.
- N019 PROVIDE 120V TO MOTORIZED DAMPERS FROM NEAREST RECEPT. SEE MECH DWGS.

**KEY NOTES:**

- N001 PANELBOARD, FLUSH-MOUNT AT 68" AFF TO TOP, DOOR ON CORRIDOR SIDE. PROVIDE 10 - 3/4" SPARE CONDUITS INTO LAB SPACE IN ADDITION TO THOSE REQUIRED TO FEED SURFACE MOUNTED RACEWAYS AND HOODS.
- N002 SURFACE-MOUNTED RACEWAY, WIREMOLD 60000, OR APPROVED EQUAL. CONNECT TO PANEL WITH 3/4" CONDUIT.
- N003 ALL 120V RECEPTACLES IN LABS SHALL BE 20A, AND FED FROM GFCI BREAKER IN LOCAL LAB PANEL.
- N004 RECEPTACLE 20A, 208V, 1 PH, GROUNDING TYPE NEMA 6-20. TYP IN LABS ONLY.
- N005 OVERHEAD FEEDER CONDUIT. SEE ONE-LINE DIAGRAM FOR SIZE. MAINTAIN MIN. CLEARANCE IN WET LABS OF 10' AFF AND 9'-6" AFF IN DRY LABS.
- N006 PROVIDE 120V TO BUSDUCT HEATERS FROM CPT'S IN 480V SWGR.
- N007 PANEL CN-3PPB-2 SHALL FEED RECEPTS IN ROOMS B1-6-20 TO 30 AND B1-6-40 TO 47. ALL OTHER RECEPTS HOMERUN TO PANEL CN-3PPB-1.
- N008 INSTALL TRAPEZE FOR CONDUITS AND CABLE TRAY ALONG THIS PATH.
- N009 PROVIDE 120V TO EXH HOOD IN LAB FROM LOCAL LAB PANEL.
- N010 PROVIDE 120V TO DOOR CARD READER FROM CN-2PPB-1 CKT SEE DETAILS 10, 11 AND 12 OF SHEET EB.11.42.
- N011 3/4" C, 2 #8, #10 GND FROM PB IN TEL CLOSET 1-6-33.
- N012 PROVIDE IN CONFERENCE ROOM CEILING MOUNTED 120V RECEPTACLE FOR VIDEO PROJECTOR. ALSO PROVIDE CONDUIT AND RINGED COVER JETS IN CEILING AND WALLS FOR FUTURE INSTALLATION OF AUDIO/VIDEO CABLING. SEE DET 6/EB.11.43.
- N013 PROVIDE POWER AND CONTROL WIRING TO SITE S.S. GRINDER. SEE NOTE NOOK, SHEET E1.00.41.
- N014 SERVE FLOOR OUTLETS IN OPEN OFC VIA CONDUIT BELOW SLAB. DROP DOWN FROM NEARBY FULL HEIGHT WALL.
- N015 PROVIDE 120V FROM EMERG PANEL CN-2EPPC-2, CKT #4, COMPUTER ROOM 2-6-51, TO RECEPT TO SERVE PAGING SYSTEM RACK. 3/4" C, #10, #10 GND. ONE CKT TO SERVE 4 RECEPTS, ONE IN EACH TEL CLOSET.
- N016 IN IT ROOM B1-6-52 PROVIDE EMERG 120V POWER FROM PANEL CN-2EPPC-1, CKT #2 TO NEMA L-5-30R RECEPT FOR FIBER OPTIC CABINET. ALSO PROVIDE 20 A CKT FROM CN-2-EPPC-1, CKT #4 FOR USE BY PAGING RACK.



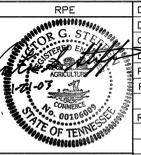
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**SECTION AND DETAIL KEY**

NUMBER OF SECTION OR DETAIL	DRAWING ON WHICH SECTION OR DETAIL IS SHOWN OR TAKEN

THIS DOCUMENT CONTROLLED BY  
CHANGE CONTROL SYSTEM  
ENGINEERING PROCEDURE

REV	DATE	DESCRIPTION	DSN	CHK	DATE	PE	DATE	DATE	REQ	DATE	UTB	DATE	RPE	RPE	NO	DATE	ST	CV	EC	EE	EM	IE	M	PD	SE	AR
0	-	CERTIFIED FOR CONSTRUCTION 12/9/02	CR	VGS	6/29/02																					



REV	DATE	UTB
0	12/9/02	UTB

**ORNL DRAWING NUMBER:**

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**CENTER FOR NANOPHASE MATERIALS SCIENCES**  
**ELECTRICAL POWER PLAN**  
**LEVEL B1 - SECTOR 66**

1	4B	49	50	PLANT	BLDG	FL	SH.	OF	TYPE	CLASS
3	E	X	X	8	8610	1	1	P	U	

REV 0 DATE 12/9/02

51 52 53 A/E DRAWING NUMBER E4.B1.66

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