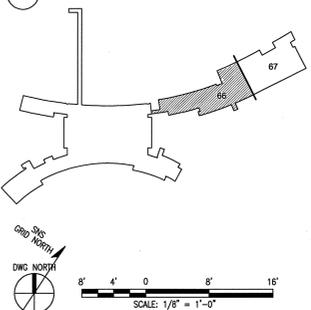
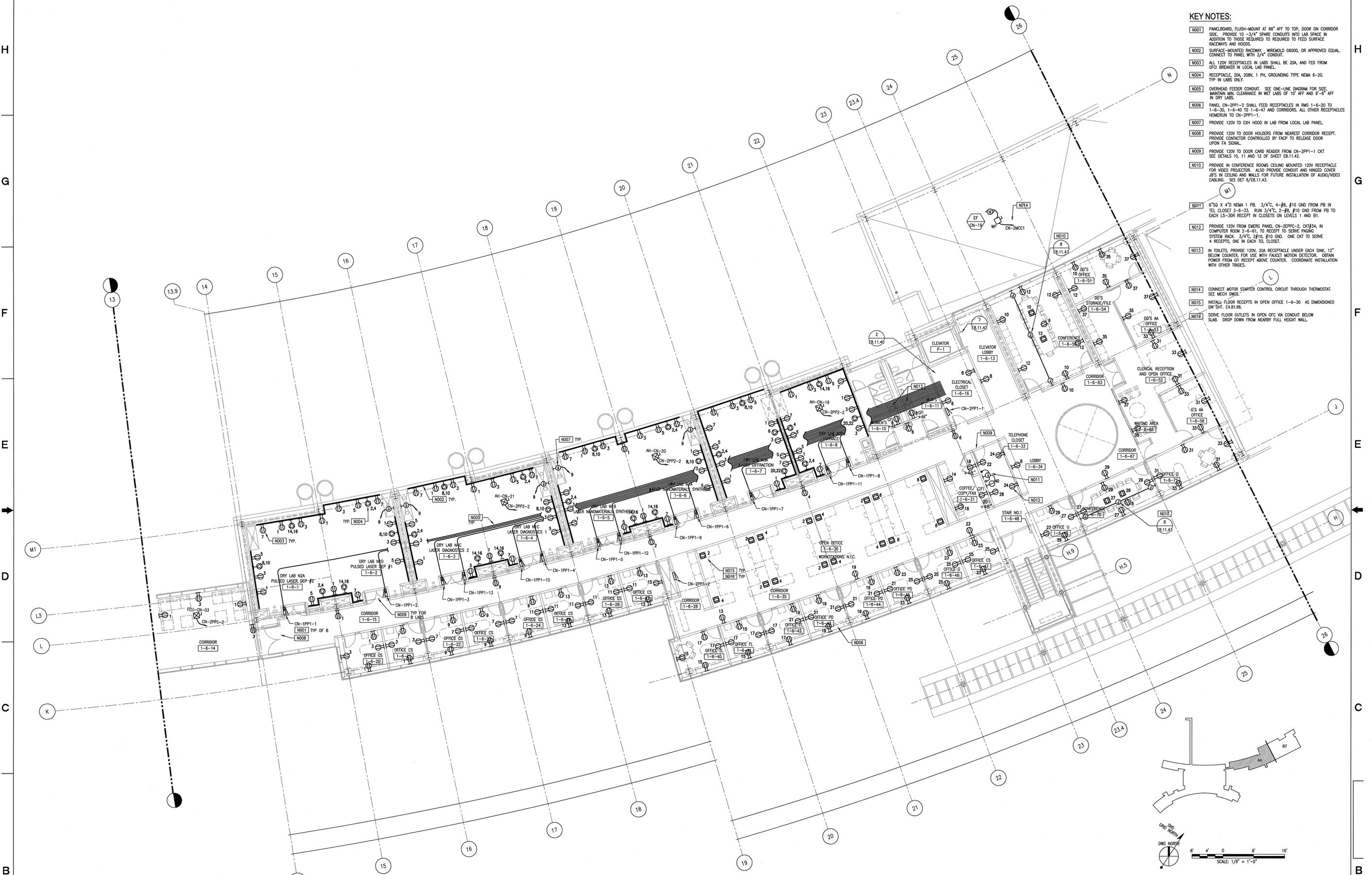


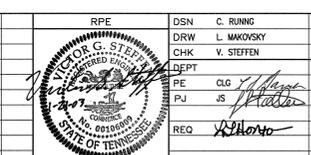
- KEY NOTES:**
- N001 PANELBOARD, FLUSH-MOUNT AT 66" AFF TO TOP, DOOR ON CORRIDOR SIDE. PROVIDE 10 - 3/4" SPARE CONDUITS INTO LAB SPACE IN ADDITION TO THOSE REQUIRED TO FEED SURFACE RACEWAYS AND HOODS.
  - N002 SURFACE-MOUNTED RACEWAY, WIREMOLD 66000, OR APPROVED EQUAL. CONNECT TO PANEL WITH 3/4" CONDUIT.
  - 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 NET LABS OF 10' AFF AND 8'-6" AFF IN DRY LABS.
  - N006 PANEL CN-2PP1-2 SHALL FEED RECEPTACLES IN RMS 1-6-20 TO 1-6-23, 1-6-40 TO 1-6-47 AND CORRIDORS. ALL OTHER RECEPTACLES HOMERUN TO CN-2PP1-1.
  - N007 PROVIDE 120V TO EXH HOOD IN LAB FROM LOCAL LAB PANEL.
  - N008 PROVIDE 120V TO DOOR HOLDERS FROM NEAREST CORRIDOR RECEPT. PROVIDE CONTACTOR CONTROLLED BY FACP TO RELEASE DOOR UPON FA SIGNAL.
  - N009 PROVIDE 120V TO DOOR CARD READER FROM CN-2PP1-1 CKT. SEE DETAILS 10, 11 AND 12 OF SHEET EB.11.42.
  - N010 PROVIDE IN CONFERENCE ROOMS CEILING MOUNTED 120V RECEPTACLE FOR VIDEO PROJECTOR. ALSO PROVIDE CONDUIT AND HINGED COVER JOBS IN CEILING AND WALLS FOR FUTURE INSTALLATION OF AUDIO/VIDEO CABLES. SEE DET 9/EB.11.43.
  - N011 6"30 X 4"70 NEMA 1 PB, 3/4"IC, 4-#8, #10 GND FROM PB IN TEL CLOSET, 2-#33, RUN 3/4"IC, 2-#8, #10 GND FROM PB TO EACH LS-30R RECEPT IN CLOSETS ON LEVELS 1 AND B1.
  - N012 PROVIDE 120V FROM EMERG PANEL CN-2EPPC-2, CKT#34, IN COMPUTER ROOM 2-6-61, TO RECEPT TO SERVE PAGING SYSTEM RACK, 3/4"IC, 2#10, #10 GND. ONE CKT TO SERVE 4 RECEPTS, ONE IN EACH TEL CLOSET.
  - N013 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.
  - N014 CONNECT MOTOR STARTER CONTROL CIRCUIT THROUGH THERMOSTAT. SEE MECH DWGS.
  - N015 INSTALL FLOOR RECEPTS IN OPEN OFFICE 1-6-30 AS DIMENSIONED ON 'SH'T. E4.81.66.
  - N016 SERVE FLOOR OUTLETS IN OPEN OFC VIA CONDUIT BELOW SLAB. GRIP DOWN FROM NEARBY FULL HEIGHT WALL.



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PROJECT NAME: <b>CENTER FOR NANOPHASE MATERIALS SCIENCES</b>	
ELECTRICAL POWER PLAN	
LEVEL 1 - SECTOR 66	
1 48 49 50	PLANT 8
3 E X X	BLDG 8610
51	FL 1
NC	SH. OF TYPE CLASS
52	1 1 P U
53	A/E DRAWING NUMBER: E4.01.66
NA	REV 0



DSN	C. RUNG	12/09/02
DRW	L. MAKOVSKY	12/09/02
CHK	V. STEFFEN	12/09/02
DEPT		
PE	CLG	11/14/02
PJ	JS	11/15/02
REV	1/24/03	

REV	DATE	DESCRIPTION	BY
0	12/9/02	CERTIFIED FOR CONSTRUCTION 12/9/02	CR VGS

REV	DATE	DESCRIPTION	BY
0	12/9/02	CERTIFIED FOR CONSTRUCTION 12/9/02	CR VGS

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 CHANGE CONTROL SYSTEM  
 ENGINEERING PROCEDURE

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