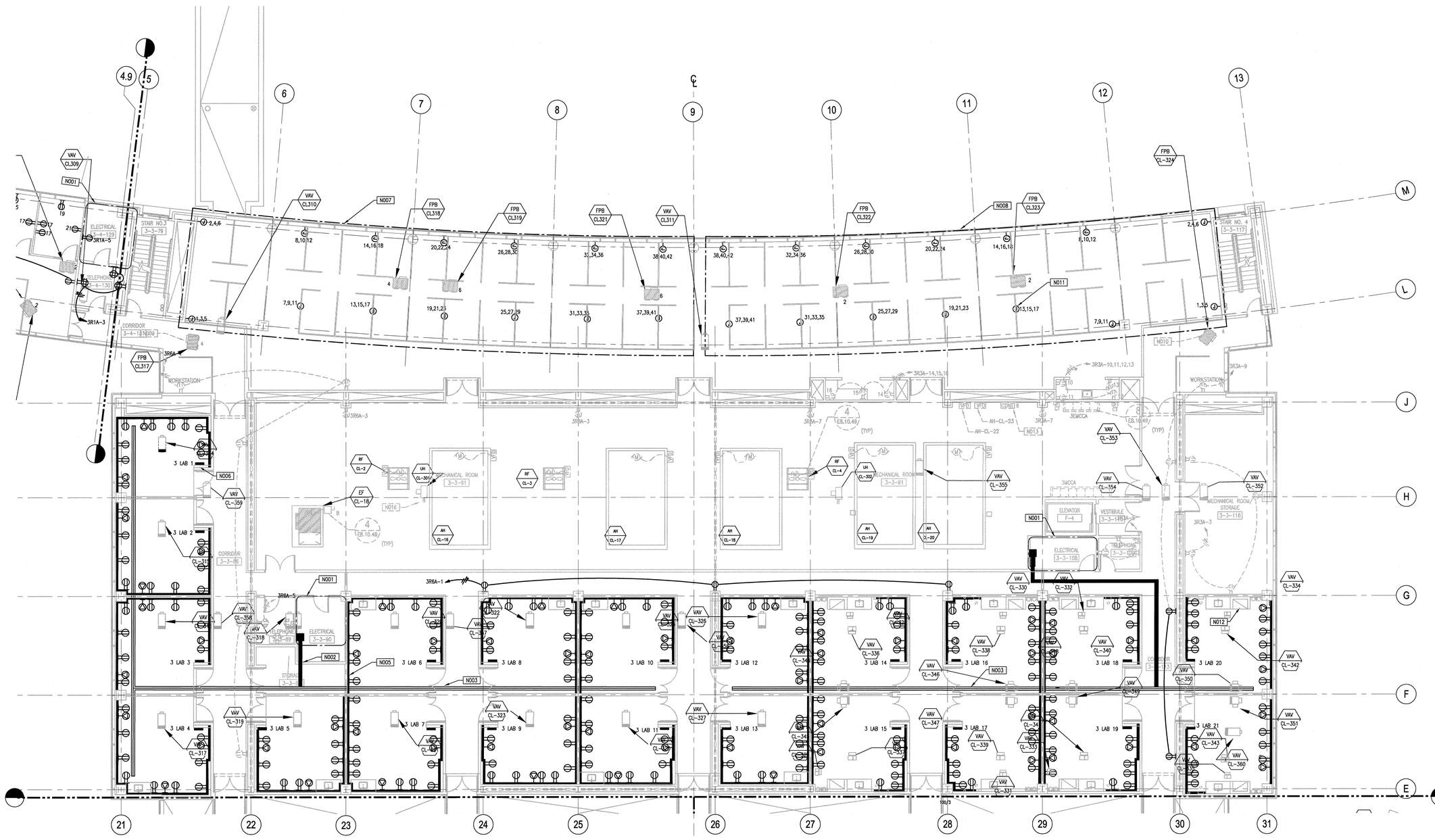

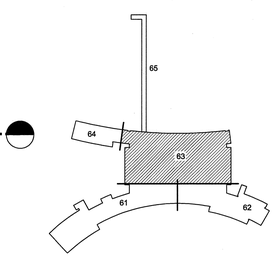

SNS GRID NORTH

DWG NORTH

8' 4' 0 8' 16'

SCALE: 1/8" = 1'-0"

GENERAL NOTES:

1. REFER TO DRAWINGS E2.10.44 AND E2.10.45 FOR 480VAC MECHANICAL EQUIPMENT FEEDER SIZES.
2. MOTORS ARE FURNISHED WITH MECHANICAL EQUIPMENT AND ARE SHOWN FOR CLARITY.

KEYNOTES:

N001	SEE DRAWING E8.10.43 FOR ELECTRICAL ROOM ENLARGED FLOOR PLAN.
N002	400 AMP, 480 VOLT, 3 PH, 4 WIRE FEEDER BUS DUCT (TYP.).
N003	400 AMP, 480 VOLT, 3 PH, 4 WIRE PLUG IN BUS DUCT (TYP.).
N004	NOT USED
N005	FURNISH AND INSTALL SURFACE MOUNTED POWER AND DATA WIREMOLD G6000 AT 6" ABOVE THE COUNTER. PROVIDE ONE 120V RECEPTACLE AT 5' O.C., AND ONE 208V SINGLE PHASE RECEPTACLE 25" O.C. IN DRY LABS, 10"- O.C. IN WET LABS REFER TO COMMUNICATION PLANS FOR REQUIRED PHONE AND DATA OUTLETS.
N006	CONNECT ALL WIREMOLD RECEPTACLES TO PANELBOARD WITHIN LAB AREA U.N.O. REFER TO PANEL SCHEDULE ON DRAWING E9.21.58 (TYP.).
N007	CONNECT ALL RECEPTACLE CIRCUITS IN THIS AREA TO PANEL 3SR1A.
N008	CONNECT ALL RECEPTACLE CIRCUITS IN THIS AREA TO PANEL 3SR3A.
N009	CONNECT ALL CIRCUITS FOR FAN POWERED HOT WATER TERMINAL UNITS FPB-CL-317, 318, 319 AND 321 TO PANEL 3R1A. (TYP. 4).
N010	CONNECT ALL CIRCUITS FOR FAN POWERED HOT WATER TERMINAL UNITS FPD-CL-322-323 AND 324 TO PANEL 3R4A. (TYP. 4).
N011	LEAVE CIRCUITS COILED-UP IN J-BOX FOR FUTURE USE (TYP.).
N012	CONNECT ALL LAB FUME HOOD EXHAUST TO PANEL WITHIN WET LAB AREA U.N.O. REFER TO PANEL SCHEDULE ON DRAWING E9.21.58 (TYP.).
N013	CONNECT 120VAC, 20A 1 PH CIRCUIT FOR MECHANICAL EQUIPMENT CONTROL ENCLOSURE TO PANEL 3R3A. EQUIPMENT CONTROL BY OTHERS.
N014	PROVIDE STANCHION MOUNTING FOR VFDS LOCATED AT MECHANICAL EQUIPMENT (TYP.).
N015	CONNECT UNIT HEATER UH-CL-301 AND 302 TO PANEL 3R1A.

108031400-E8E-8600-A203

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PROJECT NAME:
SPALLATION NEUTRON SOURCE
CENTRAL LAB AND OFFICE BUILDING
ELECTRICAL POWER PLAN
LEVEL 3, SECTOR 63 ALTERNATE 1

1	48	49	50	PLANT	BLDG	FL	SH.	OF	TYPE	CLASS
3	E	X	X	8	8600		1	1	P	U
51		52		53	WBS					REV
NC		NA			1.8.3.14		E4.03.63.A1			0

REV	CHANGE TYPE	CHANGE CONTROL SYSTEM	CHANGE CONTROL NUMBER	DESCRIPTION	DSN	CHK	DEPT	DATE	PE	DATE	PJ	DATE	REQ	DATE	UTB	DATE	RPE	RPE NO	DATE
0				CERTIFIED FOR CONSTRUCTION – 12/20/01	DD	RL											VCS	108009	12/20/01

REVISION OR ISSUE PURPOSE — REVISION APPROVALS

RW	AW	BWJ	PD	BWJ	BWJ	—	BWJ	—	ED
ST	CV	EC	EE	EM	IE	M	PD	SE	AR

SQUAD CHECK

RPE	DSN D.DANIELSON	12/20/01
	DRW J. BROWN	12/20/01
	CHK R.LENNIG	12/20/01
	DEPT	
	PE	12/17/01
	PJ	12/20/01
	REQ	
0 REV.	12-17-01 DATE	
	UTB	12/26/01

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NUMBER OF SECTION OR DETAIL

DRAWING ON WHICH SECTION OR DETAIL IS SHOWN OR TAKEN

SECTION AND DETAIL KEY

THIS DOCUMENT CONTROLLED BY

CHANGE CONTROL SYSTEM 4

ENGINEERING PROCEDURE SNS-ENG-G001

Date: 11/06/2001 Time: 16:10:55
Username: BROWNJ
P:\8-E8_SPRINGER\TD\8600\TBL_CMDT\CMDT_ABR_FMT_PLOT\E4-03-63.DWG

AutoCAD