SUPPLY: [ ] – BOTT. [X] – TOP [ ] – LUGS [X] –MAIN BKR.

TYPE: [ ] – 3P3W [X] – 3P4W [X] – WITH GRD. BAR

MAINS: 600 A 42000 A.I.C.

PANEL CN–2EDPC–1

600 A. MAIN BKR. WITH:

[X] – LTG. [X] – RECEPT. [ ] – _____ NEMA 1

MOUNTING [X] –SURFACE [ ] – FLUSH [ ] –COLUMN

VOLTAGE: [ ] –120 / 208 [X] –277 / 480 [ ] 480 /

[ ] – SHUNT TRIP [ ] – ADJ. TRIP [ ] –G.F.P.

CKT. NO.	TRIP	NO. OF POLES	USED FOR	COL. #1 VOLT – AMPS A	B	C	COL. #2 VOLT – AMPS A	B	C	USED FOR	NO. OF POLES	TRIP	CKT. NO.
1			PANEL CN–2ELC–1	2825			1667			SCRUBBER			2
3	50	3	CR & LAB		2230			1667		SC–CN–01	3	20	4
5			EMERG LIGHTS			1570			1667	(5 HP PUMP)			6
7			SITE SANITARY SEWER	5000			35892			MOTOR–GEN SET CN–2MG1			8
9	50	3	GRINDER STATION		5000			24552		CR ISOLATED POWER	3	100	10
11						5000			19020	(PANEL CN–2EPPC–2)			12
13			XFMR CN–2TC–2	25000			26668			PANEL CN–2EP4–1			14
15	110	3	75 KVA		25000			26668		LAB BLDG	3	225	16
17			(PANEL CN–2EPPC–1)			25000			26668	(ROOFTOP EQPT)			18
19			CN–2VFD13	5000			25000			CN2–VFD15			20
21	30	3	CR GEN EXH FAN, 15 HP		5000			25000		CR MUA–CN–01 (75 HP)	3	150	22
23			EF–CN–04			5000			25000				24
25			CN–2VFD14	5000			0			CN2–VFD16			26
27	30	3	CR GEN EXH FAN, 15 HP		5000			0		CR MUA–CN–02 (75 HP)	3	150	28
29			EF–CN–05			5000			0	(STANDBY)			30
31			CN–2VFD11	13333						SPACE			32
33	60	3	CR SCRUBBER EF		13333					SPACE			34
35			EF–CN–06, 40 HP			13333				SPACE			36
37			CN–2VFD12	13333						SPACE			38
39	60	3	CR SCRUBBER EF		13333					SPACE			40
41			EF–CN–07, 40 HP			13333				SPACE			42

	A	B	C
PHASE TOTALS COL. #1	69491	68896	68236
PHASE TOTALS COL. #2	89227	77887	72355
PHASE TOTAL VA	158718	146783	140591

1

DCN CNMS–01

CENTER FOR NANOPHASE MATERIALS SCIENCES

ORNL - CNMS TITLE III

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SKETCH TITLE			SKETCH NO.	
PANEL CN–2EDPC–1 SCHEDULE			E–SK–027–8	
DATE ISSUED	DRAWN BY	CHECKED BY	DRAWING NO.	DRAWING REV.
4/17/03	TM	CWR	E9.23.45	0
PROJECT NO.	FILE NAME	SCALE	DCN OR RFI NO.	
L0230.30	E–SK–027–8	NONE	DCN–CNMS–01	