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

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

MAINS: 400 A 42000 A.I.C.

PANEL CN–2DPC–2

NONE A. MAIN BKR. WITH:

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

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

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

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

1

DCN CNMS–01

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			CHW PUMP, 7.5 HP	2500			2500			CHW PUMP, 7.5 HP			2
3	20	3	P–CN–01		2500			2500		P–CN–02	3	20	4
5			VIA CN–2VFD9			2500			2500	VIA CN–2VFD10			6
7			DI WATER SKID	3333			0			FUTURE			8
9	20	3	(PUMPS P–CN–4A & 4B)		3333			0		CONDENSING UNIT	3	100	10
11						3333			0	50 HP			12
13			RO WATER SKID	6667						SPACE			14
15	30	3	(PUMPS P–CN–5A & 5B)		6667					SPACE			16
17						6667				SPACE			18
19	20	1	SPARE	0						SPACE			20
21	20	1	SPARE		0					SPACE			22
23	20	1	SPARE			0				SPACE			24
25	20	1	SPARE	0						SPACE			26
27	20	1	SPARE		0					SPACE			28
29	20	1	SPARE			0				SPACE			30
31			SPACE							SPACE			32
33			SPACE							SPACE			34
35			SPACE							SPACE			36
37			SPACE				9111			PANEL CN2–LPC–1			38
39			SPACE					8940		LIGHTING	3	100	40
41			SPACE						6470				42

	A	B	C
PHASE TOTALS COL. #1	12500	12500	12500
PHASE TOTALS COL. #2	11611	11440	8970
PHASE TOTAL VA	24111	23940	21470

TOTAL 3 PHASE CONNECTED 70 KVA 84 AMPS

CENTER FOR NANOPHASE MATERIALS SCIENCES

ORNL - CNMS TITLE III

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SKETCH TITLE			SKETCH NO.	
PANEL CN–2DPC–2 SCHEDULE			E–SK–016–8	
DATE ISSUED	DRAWN BY	CHECKED BY	DRAWING NO.	DRAWING REV.
4/17/03	TM	CWR	E9.23.44	0
PROJECT NO.	FILE NAME	SCALE	DCN OR RFI NO.	
L0230.30	E–SK–016–8	NONE	DCN–CNMS–01	