8 7 6 5 4 3 2 NEXT ASS'Y: 1 FINAL ASS'Y:

PANEL B1VACCUM1 — RING RF CAVITY TEST SHOP

SUPPLY: [ ] - BOTT. [X] - TOP [ ] - LUGS [X] -MAIN BKR.
TYPE: [ ] - 3P3W [X] - 3P4W [X] - WITH GRD. BAR
MAINS: 100 A 22000 A.I.C.
PANEL B1VACCUM1
[ ] - LTG. [ ] - RECEPT. [X] -POWER NEMA 1
MOUNTING [X] -SURFACE [ ] - FLUSH [ ] -COLUMN
VOLTAGE: [ ] -120 / 208 [X] -277 / 480 [ ] 480 /
100 A. MAIN BKR. WITH: [ ] - 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			TRANSFORMER	10000						SPACE			2
3	50	3	B1VACCUM		10000					SPACE			4
5			15kVA			10000				SPACE			6
7			SPACE							SPACE			8
9			SPACE							SPACE			10
11			SPACE							SPACE			12
13			SPACE							SPACE			14
15			SPACE							SPACE			16
17			SPACE							SPACE			18
19			SPACE							SPACE			20
21			SPACE							SPACE			22
23			SPACE							SPACE			24
25			SPACE							SPACE			26
27			SPACE							SPACE			28
29			SPACE							SPACE			30
31													32
33													34
35													36
37													38
39													40
41													42

	A	B	C
PHASE TOTALS COL. #1	10000	10000	10000
PHASE TOTALS COL. #2	0	0	0
PHASE TOTAL VA	10000	10000	10000

TOTAL 3 PHASE CONNECTED 30 KVA 36 AMPS

file: panelsch_134_2a 2b

PANEL B1VACCUM2 — VACCUM SHOP

SUPPLY: [ ] - BOTT. [X] - TOP [ ] - LUGS [X] -MAIN BKR.
TYPE: [ ] - 3P3W [X] - 3P4W [X] - WITH GRD. BAR
MAINS: 100 A 10000 A.I.C.
PANEL B1VACCUM2
[ ] - LTG. [ ] - RECEPT. [X] -POWER NEMA 1
MOUNTING [X] -SURFACE [ ] - FLUSH [ ] -COLUMN
VOLTAGE: [X] -120 / 208 [ ] -277 / 480 [X] 480 /
100 A. MAIN BKR. WITH: [ ] - 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			SPACE							SPACE			2
3			SPACE							SPACE			4
5			SPACE							SPACE			6
7			SPACE							SPACE			8
9			SPACE							SPACE			10
11			SPACE							SPACE			12
13			SPACE							SPACE			14
15			SPACE							SPACE			16
17			SPACE							SPACE			18
19			SPACE							SPACE			20
21			SPACE							SPACE			22
23			SPACE							SPACE			24
25			SPACE							SPACE			26
27			SPACE							SPACE			28
29			SPACE							SPACE			30
31													32
33													34
35													36
37													38
39													40
41													42

	A	B	C
PHASE TOTALS COL. #1	0	0	0
PHASE TOTALS COL. #2	0	0	0
PHASE TOTAL VA	0	0	0

TOTAL 3 PHASE CONNECTED 0 KVA 0 AMPS

file: panelsch_135_2a 2b

PANEL 1PSUPPLY1 — POWER SUPPLY LAB

SUPPLY: [ ] - BOTT. [X] - TOP [ ] - LUGS [X] -MAIN BKR.
TYPE: [ ] - 3P3W [X] - 3P4W [x] - WITH GRD. BAR
MAINS: 100 A 22000 A.I.C.
PANEL 1PSUPPLY1
[ ] - LTG. [ ] - RECEPT. [X] -POWER NEMA 1
MOUNTING [X] -SURFACE [ ] - FLUSH [ ] -COLUMN
VOLTAGE: [ ] -120 / 208 [X] -277 / 480 [X] 480 /
100 A. MAIN BKR. WITH: [ ] - 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			TRANSFORMER	2880						SPACE			2
3	50	3	1PSUPPLYT1		2880					SPACE			4
5			30kVA			2880				SPACE			6
7			SPACE							SPACE			8
9			SPACE							SPACE			10
11			SPACE							SPACE			12
13			SPACE							SPACE			14
15			SPACE							SPACE			16
17			SPACE							SPACE			18
19			SPACE							SPACE			20
21			SPACE							SPACE			22
23			SPACE							SPACE			24
25			SPACE							SPACE			26
27			SPACE							SPACE			28
29			SPACE							SPACE			30
31													32
33													34
35													36
37													38
39													40
41													42

	A	B	C
PHASE TOTALS COL. #1	2880	2880	2880
PHASE TOTALS COL. #2	0	0	0
PHASE TOTAL VA	2880	2880	2880

TOTAL 3 PHASE CONNECTED 9 KVA 10 AMPS

file: panelsch_136_2a 2b

PANEL 1PSUPPLY2 — POWER SUPPLY LAB

SUPPLY: [ ] - BOTT. [X] - TOP [ ] - LUGS [X] -MAIN BKR.
TYPE: [ ] - 3P3W [X] - 3P4W [x] - WITH GRD. BAR
MAINS: 100 A 10000 A.I.C.
PANEL 1PSUPPLY2
[ ] - LTG. [ ] - RECEPT. [X] -POWER NEMA 1
MOUNTING [X] -SURFACE [ ] - FLUSH [ ] -COLUMN
VOLTAGE: [X] -120 / 208 [ ] -277 / 480 [ ] 480 /
100 A. MAIN BKR. WITH: [ ] - 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			SPACE							SPACE			2
3			SPACE							SPACE			4
5			SPACE							SPACE			6
7			SPACE							SPACE			8
9			SPACE							SPACE			10
11			SPACE							SPACE			12
13			SPACE							SPACE			14
15			SPACE							SPACE			16
17			SPACE							SPACE			18
19			SPACE							SPACE			20
21			SPACE							SPACE			22
23			SPACE							SPACE			24
25			SPACE							SPACE			26
27			SPACE							SPACE			28
29			SPACE							SPACE			30
31													32
33													34
35													36
37													38
39													40
41													42

	A	B	C
PHASE TOTALS COL. #1	0	0	0
PHASE TOTALS COL. #2	0	0	0
PHASE TOTAL VA	0	0	0

TOTAL 3 PHASE CONNECTED 0 KVA 0 AMPS

file: panelsch_137_2a 2b

PANEL 1LOWRF1 — LOW LEVEL RF LAB

SUPPLY: [ ] - BOTT. [ ] - TOP [ ] - LUGS [X] -MAIN BKR.
TYPE: [ ] - 3P3W [X] - 3P4W [x] - WITH GRD. BAR
MAINS: 225 A 10000 A.I.C.
PANEL 1LOWRF1
[ ] - LTG. [ ] - RECEPT. [X] -POWER NEMA 1
MOUNTING [ ] -SURFACE [ ] - FLUSH [ ] -COLUMN
VOLTAGE: [X] -120 / 208 [ ] -277 / 480 [X] 480 /
225 A. MAIN BKR. WITH: [ ] - 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			SPACE							SPACE			2
3			SPACE							SPACE			4
5			SPACE							SPACE			6
7			SPACE							SPACE			8
9			SPACE							SPACE			10
11			SPACE							SPACE			12
13			SPACE							SPACE			14
15			SPACE							SPACE			16
17			SPACE							SPACE			18
19			SPACE							SPACE			20
21			SPACE							SPACE			22
23			SPACE							SPACE			24
25			SPACE							SPACE			26
27			SPACE							SPACE			28
29			SPACE							SPACE			30
31			SPACE							SPACE			32
33			SPACE							SPACE			34
35			SPACE							SPACE			36
37			SPACE							SPACE			38
39			SPACE							SPACE			40
41			SPACE							SPACE			42

	A	B	C
PHASE TOTALS COL. #1	0	0	0
PHASE TOTALS COL. #2	0	0	0
PHASE TOTAL VA	0	0	0

TOTAL 3 PHASE CONNECTED 0 KVA 0 AMPS

file: panelsch_112_2a 2b

PANEL 1MELAB1 — ME LAB

SUPPLY: [ ] - BOTT. [x] - TOP [ ] - LUGS [X] -MAIN BKR.
TYPE: [ ] - 3P3W [X] - 3P4W [X] - WITH GRD. BAR
MAINS: 225 A 22000 A.I.C.
PANEL 1MELAB1
[ ] - LTG. [ ] - RECEPT. [X] -POWER NEMA 1
MOUNTING [X] -SURFACE [ ] - FLUSH [ ] -COLUMN
VOLTAGE: [ ] -120 / 208 [X] -277 / 480 [ ] 480 /
150 A. MAIN BKR. WITH: [ ] - 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			TRANSFORMER	2880						SPACE			2
3	50	3	1MELABT1		2880					SPACE			4
5			30kVA			2880				SPACE			6
7			SPACE							SPACE			8
9			SPACE							SPACE			10
11			SPACE							SPACE			12
13			SPACE							SPACE			14
15			SPACE							SPACE			16
17			SPACE							SPACE			18
19			SPACE							SPACE			20
21			SPACE							SPACE			22
23			SPACE							SPACE			24
25			SPACE							SPACE			26
27			SPACE							SPACE			28
29			SPACE							SPACE			30
31			SPACE							SPACE			32
33			SPACE							SPACE			34
35			SPACE							SPACE			36
37			SPACE							SPACE			38
39			SPACE							SPACE			40
41			SPACE							SPACE			42

	A	B	C
PHASE TOTALS COL. #1	2880	2880	2880
PHASE TOTALS COL. #2	0	0	0
PHASE TOTAL VA	2880	2880	2880

TOTAL 3 PHASE CONNECTED 9 KVA 10 AMPS

file: panelsch_113_2a 2b

PANEL 1MELAB1 — ALIGNMENT LAB

SUPPLY: [ ] - BOTT. [X] - TOP [ ] - LUGS [X] -MAIN BKR.
TYPE: [ ] - 3P3W [X] - 3P4W [ ] - WITH GRD. BAR
MAINS: 100 A 10000 A.I.C.
PANEL 1MELAB1
[ ] - LTG. [ ] - RECEPT. [X] -POWER NEMA 1
MOUNTING [X] -SURFACE [ ] - FLUSH [ ] -COLUMN
VOLTAGE: [X] -120 / 208 [ ] -277 / 480 [ ] 480 /
100 A. MAIN BKR. WITH: [ ] - 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			SPACE							SPACE			2
3			SPACE							SPACE			4
5			SPACE							SPACE			6
7			SPACE							SPACE			8
9			SPACE							SPACE			10
11			SPACE							SPACE			12
13			SPACE							SPACE			14
15			SPACE							SPACE			16
17			SPACE							SPACE			18
19			SPACE							SPACE			20
21			SPACE							SPACE			22
23			SPACE							SPACE			24
25			SPACE							SPACE			26
27			SPACE							SPACE			28
29			SPACE							SPACE			30
31													32
33													34
35													36
37													38
39													40
41													42

	A	B	C
PHASE TOTALS COL. #1	0	0	0
PHASE TOTALS COL. #2	0	0	0
PHASE TOTAL VA	0	0	0

TOTAL 3 PHASE CONNECTED 0 KVA 0 AMPS

file: panelsch_114_2a 2b

PANEL 1ALIGLAB1 — ALIGNMENT LAB

SUPPLY: [ ] - BOTT. [X] - TOP [ ] - LUGS [X] -MAIN BKR.
TYPE: [ ] - 3P3W [X] - 3P4W [ ] - WITH GRD. BAR
MAINS: 100 A 14000 A.I.C.
PANEL 1ALIGLAB1
[ ] - LTG. [ ] - RECEPT. [X] -POWER NEMA 1
MOUNTING [X] -SURFACE [ ] - FLUSH [ ] -COLUMN
VOLTAGE: [X] -120 / 208 [ ] -277 / 480 [ ] 480 /
100 A. MAIN BKR. WITH: [ ] - 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			SPACE							SPACE			2
3			SPACE							SPACE			4
5			SPACE							SPACE			6
7			SPACE							SPACE			8
9			SPACE							SPACE			10
11			SPACE							SPACE			12
13			SPACE							SPACE			14
15			SPACE							SPACE			16
17			SPACE							SPACE			18
19			SPACE							SPACE			20
21			SPACE							SPACE			22
23			SPACE							SPACE			24
25			SPACE							SPACE			26
27			SPACE							SPACE			28
29			SPACE							SPACE			30
31													32
33													34
35													36
37													38
39													40
41													42

	A	B	C
PHASE TOTALS COL. #1	0	0	0
PHASE TOTALS COL. #2	0	0	0
PHASE TOTAL VA	0	0	0

TOTAL 3 PHASE CONNECTED 0 KVA 0 AMPS

file: panelsch_115_2a 2b

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THIS DOCUMENT CONTROLLED BY CHANGE CONTROL SYSTEM 4
ENGINEERING PROCEDURE SNS-ENG-G001

REV	CHANGE TYPE	CHANGE CONTROL SYSTEM	CHANGE REQUEST NUMBER	DESCRIPTION	DSN	CHK	DEPT	DATE	PE	DATE	PJ	DATE	REQ	DATE	UTB	DATE	RPE	RPE NO	DATE
0				CERTIFIED FOR CONSTRUCTION – 05/15/2001	RO	RL			(signature)	10/1/01	(signature)	9/21/01			(signature)	10/9/01	VGS	106009	5/15/01

REVISION OR ISSUE PURPOSE — REVISION APPROVALS

SC	AW	BS	RL	BS	BJ	--	BS	--	WS
ST	CV	EC	EE	EM	IE	M	PD	SE	AR

SQUAD CHECK

RPE — VICTOR G. STEFFEN, REGISTERED ENGINEER, AGRICULTURE, COMMERCE, No. 00106009, STATE OF TENNESSEE (seal, signed 5-10-01)

REV. 0 DATE 5-10-01

DSN	R.OLAPOUR	5/15/01
DRW	S. BARNETT	5/15/01
CHK	R.LENNIG	5/15/01
DEPT		
PE	(signature)	10/1/01
PJ	(signature)	9/21/01
REQ		
UTB	(signature)	10/9/01

DRAWING APPROVALS

108031400-E8E-8600-A177

Knight/Jacobs Joint Venture, 701 Scarboro Road, MS 8253, Oak Ridge, TN 37830, 865-241-9433, fax 865-241-3400

KNIGHT — Knight Advanced Technology, 4710 East Elwood, Suite #9, Phoenix, AZ 85040

UT-BATTELLE — Oak Ridge National Laboratory managed for the DEPARTMENT OF ENERGY under U.S. GOVERNMENT contract DE-AC05-00OR22725, UT-BATTELLE, LLC, Oak Ridge, Tennessee

PROJECT NAME:

SPALLATION NEUTRON SOURCE

CENTRAL LAB AND OFFICE BUILDING PANEL SCHEDULES

1	48	49	50	PLANT	BLDG	FL	SH.	OF	TYPE	CLASS
3	E	X	X	8	8600		1	1	S	U
51 NC		52 NA		53	WBS 1.8.3.14		E9.21.57			REV 0

AutoCAD

Date: 05/08/2001 Time: 16:55:37 Username: SANDHUA PHX-F_VOL2:PROJECTS\7000\700_CADD\TASK_28\740_PLOT\E9-21-57.DWG