ME SHOP — PANEL B1MESHOP1

SUPPLY: [ ] - BOTT. [x] - TOP [ ] - LUGS [X] -MAIN BKR.
TYPE: [ ] - 3P3W [X] - 3P4W [X] - WITH GRD. BAR
MAINS: 100 A 14000 A.I.C.
PANEL B1MESHOP1
[ ] - LTG. [ ] - RECEPT. [X] -POWER NEMA 1
MOUNTING [ ] -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				5760						SPACE			2
3	50	3	TRANSFORMER-B1MESHOP1		5760					SPACE			4
5			30 kVA			5760				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	5760	5760	5760
PHASE TOTALS COL. #2	0	0	0
PHASE TOTAL VA	5760	5760	5760

TOTAL 3 PHASE CONNECTED 17 KVA 21 AMPS

file: panelsch_105_2a2b

ME SHOP — PANEL B1MESHOP2

SUPPLY: [ ] - BOTT. [ ] - TOP [ ] - LUGS [X] -MAIN BKR.
TYPE: [ ] - 3P3W [X] - 3P4W [X] - WITH GRD. BAR
MAINS: 100 A 10000 A.I.C.
PANEL B1MESHOP2
[ ] - 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_106_2a2b

ALIGNEMENT SHOP — PANEL B1ALIGSHOP1

SUPPLY: [ ] - BOTT. [X] - TOP [X] - LUGS [ ] -MAIN BKR.
TYPE: [ ] - 3P3W [X] - 3P4W [X] - WITH GRD. BAR
MAINS: 100 A 10000 A.I.C.
PANEL B1ALIGSHOP1
[ ] - 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_107_2a2b

MAGNET SHOP — PANEL B1MAGSHOP1

SUPPLY: [ ] - BOTT. [X] - TOP [ ] - LUGS [X] -MAIN BKR.
TYPE: [ ] - 3P3W [X] - 3P4W [X] - WITH GRD. BAR
MAINS: 100 A 14000 A.I.C.
PANEL B1MAGSHOP1
[ ] - 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	5760						SPACE			2
3	50	3	B1MAGSHOPT2		5760					SPACE			4
5			30 kVA			5760				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	5760	5760	5760
PHASE TOTALS COL. #2	0	0	0
PHASE TOTAL VA	5760	5760	5760

TOTAL 3 PHASE CONNECTED 17 KVA 21 AMPS

file: panelsch_108_2a2b

MAGNET SHOP — PANEL B1MAGSHOP2

SUPPLY: [ ] - BOTT. [X] - TOP [ ] - LUGS [X] -MAIN BKR.
TYPE: [ ] - 3P3W [X] - 3P4W [X] - WITH GRD. BAR
MAINS: 100 A 10000 A.I.C.
PANEL B1MAGSHOP2
[ ] - 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_109_2a2b

RING RF CAVITY TEST SHOP — PANEL B1RFSHOP1

SUPPLY: [ ] - BOTT. [X] - TOP [ ] - LUGS [X] -MAIN BKR.
TYPE: [ ] - 3P3W [X] - 3P4W [X] - WITH GRD. BAR
MAINS: 225 A 25,000 A.I.C.
PANEL B1RFSHOP1
[ ] - LTG. [ ] - RECEPT. [X] -POWER NEMA 1
MOUNTING [X] -SURFACE [ ] - FLUSH [ ] -COLUMN
VOLTAGE: [ ] -120 / 208 [X] -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			TRANSFORMER	25000						SPACE			2
3	100	3	B1RFSHOPT1		25000					SPACE			4
5			75kVA			25000				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	25000	25000	25000
PHASE TOTALS COL. #2	0	0	0
PHASE TOTAL VA	25000	25000	25000

TOTAL 3 PHASE CONNECTED 75 KVA 90 AMPS

file: panelsch_110_2a2b

VACCUM SHOP — PANEL B1RFSHOP2

SUPPLY: [ ] - BOTT. [ ] - TOP [ ] - LUGS [X] -MAIN BKR.
TYPE: [ ] - 3P3W [X] - 3P4W [X] - WITH GRD. BAR
MAINS: 225 A 10000 A.I.C.
PANEL B1RFSHOP2
[ ] - LTG. [ ] - RECEPT. [X] -POWER NEMA 1
MOUNTING [X] -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_111_2a2b

RING RF CAVITY TEST SHOP — PANEL B1PSUPPLY1

SUPPLY: [ ] - BOTT. [ ] - TOP [ ] - LUGS [X] -MAIN BKR.
TYPE: [ ] - 3P3W [X] - 3P4W [X] - WITH GRD. BAR
MAINS: 600 A 30000 A.I.C.
PANEL B1PSUPPLY1
[ ] - LTG. [ ] - RECEPT. [X] -POWER NEMA 1
MOUNTING [X] -SURFACE [ ] - FLUSH [ ] -COLUMN
VOLTAGE: [ ] -120 / 208 [X] -277 / 480 [X] 480 /
400 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	25000									2
3	100	3	B1PSUPPLYT1		25000								4
5			75kVA			25000							6
7													8
9													10
11													12
13													14
15													16
17													18
19													20
21													22
23													24
25													26
27													28
29													30
31													32
33													34
35													36
37													38
39													40
41													42

	A	B	C
PHASE TOTALS COL. #1	25000	25000	25000
PHASE TOTALS COL. #2	0	0	0
PHASE TOTAL VA	25000	25000	25000

TOTAL 3 PHASE CONNECTED 75 KVA 90 AMPS

file: panelsch_132_2a2b

VACCUM SHOP W /FEED THROUGH LUGS — PANEL B1PSUPPLY2

SUPPLY: [ ] - BOTT. [X] - TOP [ ] - LUGS [X] -MAIN BKR.
TYPE: [ ] - 3P3W [X] - 3P4W [X] - WITH GRD. BAR
MAINS: 225 A 10000 A.I.C.
PANEL B1PSUPPLY2
[ ] - LTG. [ ] - RECEPT. [X] -POWER NEMA 1
MOUNTING [X] -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			2
3	50	3	PANEL B1ALIGSHOP1							SPACE			4
5										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_133_2a2b

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CHANGE CONTROL SYSTEM 4
ENGINEERING PROCEDURE SNS-ENG-G001

REV	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

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

RPE: VICTOR G. STEFFEN, REGISTERED ENGINEER, AGRICULTURE, COMMERCE, No. 00106009, STATE OF TENNESSEE — 5-10-01
REV. 0 DATE 5-10-01

DRAWING APPROVALS:
DSN R.OLAPOUR 5/15/01
DRW S. BARNETT 5/15/01
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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	52			53	WBS 1.8.3.14		E9.21.51		REV	0
NC	NA									

NEXT ASS'Y: FINAL ASS'Y:

AutoCAD