SUPPLY: [ ] - BOTT. [X] - TOP [ ] - LUGS [X] -MAIN BKR. | [ ] - LTG. [X] - RECEPT. [ ] -POWER NEMA 1
TYPE: [ ] - 3P3W [X] - 3P4W [X] - WITH GRD. BAR | PANEL 2SR2A | MOUNTING [X] -SURFACE [ ] - FLUSH [ ] -COLUMN
MAINS: 225 A 10,000 A.I.C. WITH FEED THROUGH LUGS | VOLTAGE: [X] -120 / 208 [ ] -277 / 480 [ ] 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	20	1	OFFICE RECEPTACLE	1200			1200			OFFICE RECEPTACLE	1	20	2
3	20	1	OFFICE RECEPTACLE		1200			1200		OFFICE RECEPTACLE	1	20	4
5	20	1	OFFICE RECEPTACLE			1200			1200	OFFICE RECEPTACLE	1	20	6
7	20	1	OFFICE RECEPTACLE	1200						SPARE	1	20	8
9	20	1	OFFICE RECEPTACLE		1200					SPARE	1	20	10
11	20	1	OFFICE RECEPTACLE			1200				SPARE	1	20	12
13	20	1	OFFICE RECEPTACLE	1200						SPARE	1	20	14
15	20	1	OFFICE RECEPTACLE		1200					SPARE	1	20	16
17	20	1	OFFICE RECEPTACLE			1200				SPARE	1	20	18
19	20	1	OFFICE RECEPTACLE	1200						SPACE			20
21	20	1	OFFICE RECEPTACLE		1200					SPACE			22
23	20	1	OFFICE RECEPTACLE			1200				SPACE			24
25	20	1	OFFICE RECEPTACLE	1200						SPACE			26
27	20	1	SPARE							SPACE			28
29	20	1	SPARE							SPACE			30
31	20	1	SPARE							SPACE			32
33	20	1	SPARE							SPACE			34
35	20	1	SPARE							SPACE			36
37	20	1	SPARE							SPACE			38
39	20	1	SPARE							SPACE			40
41	20	1	SPARE							SPACE			42

	A	B	C
PHASE TOTALS COL. #1	6000	4800	4800
PHASE TOTALS COL. #2	1200	1200	1200
PHASE TOTAL VA	7200	6000	6000

TOTAL 3 PHASE CONNECTED 19 KVA 53 AMPS

file panelsch_26_2b

SUPPLY: [ ] - BOTT. [X] - TOP [X] - LUGS [ ] -MAIN BKR. | [ ] - LTG. [X] - RECEPT. [ ] -POWER NEMA 1
TYPE: [ ] - 3P3W [X] - 3P4W [X] - WITH GRD. BAR | PANEL 2SR2B | MOUNTING [X] -SURFACE [ ] - FLUSH [ ] -COLUMN
MAINS: 225 A 10000 A.I.C. | VOLTAGE: [X] -120 / 208 [ ] -277 / 480 [ ] 480 /
175 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	20	1	OFFICE RECEPTACLE	1200			1200			OFFICE RECEPTACLE	1	20	2
3	20	1	OFFICE RECEPTACLE		1200			1200		OFFICE RECEPTACLE	1	20	4
5	20	1	OFFICE RECEPTACLE			1200			1200	OFFICE RECEPTACLE	1	20	6
7	20	1	OFFICE RECEPTACLE	1200			1200			OFFICE RECEPTACLE	1	20	8
9	20	1	OFFICE RECEPTACLE		1200			1200		OFFICE RECEPTACLE	1	20	10
11	20	1	OFFICE RECEPTACLE			1200			1200	OFFICE RECEPTACLE	1	20	12
13	20	1	OFFICE RECEPTACLE	1200			1200			OFFICE RECEPTACLE	1	20	14
15	20	1	OFFICE RECEPTACLE		1200			1200		OFFICE RECEPTACLE	1	20	16
17	20	1	OFFICE RECEPTACLE			1200			1200	OFFICE RECEPTACLE	1	20	18
19	20	1	OFFICE RECEPTACLE	1200			1200			OFFICE RECEPTACLE	1	20	20
21	20	1	OFFICE RECEPTACLE		1200			1200		OFFICE RECEPTACLE	1	20	22
23	20	1	OFFICE RECEPTACLE			1200			1200	OFFICE RECEPTACLE	1	20	24
25	20	1	OFFICE RECEPTACLE	1200			1200			OFFICE RECEPTACLE	1	20	26
27	20	1	OFFICE RECEPTACLE		1200			1200		OFFICE RECEPTACLE	1	20	28
29	20	1	OFFICE RECEPTACLE			1200			1200	OFFICE RECEPTACLE	1	20	30
31	20	1	OFFICE RECEPTACLE	1200			1200			OFFICE RECEPTACLE	1	20	32
33	20	1	OFFICE RECEPTACLE		1200			1200		OFFICE RECEPTACLE	1	20	34
35	20	1	OFFICE RECEPTACLE			1200			1200	OFFICE RECEPTACLE	1	20	36
37	20	1	OFFICE RECEPTACLE	1200			1200			OFFICE RECEPTACLE	1	20	38
39	20	1	OFFICE RECEPTACLE		1200			1200		OFFICE RECEPTACLE	1	20	40
41	20	1	OFFICE RECEPTACLE			1200				SPARE	1	20	42

	A	B	C
PHASE TOTALS COL. #1	8400	8400	8400
PHASE TOTALS COL. #2	8400	8400	7200
PHASE TOTAL VA	16800	16800	15600

TOTAL 3 PHASE CONNECTED 49 KVA 137 AMPS

file panelsch_24_2b

SUPPLY: [ ] - BOTT. [X] - TOP [ ] - LUGS [X] -MAIN BKR. | [ ] - LTG. [X] - RECEPT. [ ] -POWER NEMA 1
TYPE: [ ] - 3P3W [X] - 3P4W [X] - WITH GRD. BAR | PANEL 2SR3A | MOUNTING [X] -SURFACE [ ] - FLUSH [ ] -COLUMN
MAINS: 225 A 10000 A.I.C. WITH FEED THROUGH LUGS | VOLTAGE: [X] -120 / 208 [ ] -277 / 480 [ ] 480 /
175 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	20	1	OFFICE RECEPTACLE	1200			1200			OFFICE RECEPTACLE	1	20	2
3	20	1	OFFICE RECEPTACLE		1200			1200		OFFICE RECEPTACLE	1	20	4
5	20	1	OFFICE RECEPTACLE			1200			1200	OFFICE RECEPTACLE	1	20	6
7	20	1	OFFICE RECEPTACLE	1200			1200			OFFICE RECEPTACLE	1	20	8
9	20	1	OFFICE RECEPTACLE		1200			1200		OFFICE RECEPTACLE	1	20	10
11	20	1	OFFICE RECEPTACLE			1200			1200	OFFICE RECEPTACLE	1	20	12
13	20	1	OFFICE RECEPTACLE	1200			1200			OFFICE RECEPTACLE	1	20	14
15	20	1	OFFICE RECEPTACLE		1200			1200		OFFICE RECEPTACLE	1	20	16
17	20	1	OFFICE RECEPTACLE			1200			1200	OFFICE RECEPTACLE	1	20	18
19	20	1	OFFICE RECEPTACLE	1200			1200			OFFICE RECEPTACLE	1	20	20
21	20	1	OFFICE RECEPTACLE		1200			1200		OFFICE RECEPTACLE	1	20	22
23	20	1	OFFICE RECEPTACLE			1200			1200	OFFICE RECEPTACLE	1	20	24
25	20	1	OFFICE RECEPTACLE	1200			1200			OFFICE RECEPTACLE	1	20	26
27	20	1	OFFICE RECEPTACLE		1200			1200		OFFICE RECEPTACLE	1	20	28
29	20	1	OFFICE RECEPTACLE			1200			1200	OFFICE RECEPTACLE	1	20	30
31	20	1	OFFICE RECEPTACLE	1200			1200			OFFICE RECEPTACLE	1	20	32
33	20	1	OFFICE RECEPTACLE		1200			1200		OFFICE RECEPTACLE	1	20	34
35	20	1	OFFICE RECEPTACLE			1200			1200	OFFICE RECEPTACLE	1	20	36
37	20	1	OFFICE RECEPTACLE	1200			1200			OFFICE RECEPTACLE	1	20	38
39	20	1	OFFICE RECEPTACLE		1200			1200		OFFICE RECEPTACLE	1	20	40
41	20	1	OFFICE RECEPTACLE			1200			1200	OFFICE RECEPTACLE	1	20	42

	A	B	C
PHASE TOTALS COL. #1	8400	8400	8400
PHASE TOTALS COL. #2	8400	8400	8400
PHASE TOTAL VA	16800	16800	16800

TOTAL 3 PHASE CONNECTED 50 KVA 140 AMPS

file panelsch_27_2b

SUPPLY: [ ] - BOTT. [X] - TOP [ ] - LUGS [X] -MAIN BKR. | [ ] - LTG. [X] - RECEPT. [ ] -POWER NEMA 1
TYPE: [ ] - 3P3W [X] - 3P4W [X] - WITH GRD. BAR | PANEL 2SR3B | MOUNTING [X] -SURFACE [ ] - FLUSH [ ] -COLUMN
MAINS: 225 A 10,000 A.I.C. | VOLTAGE: [X] -120 / 208 [ ] -277 / 480 [ ] 480 /
175 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	20	1	SPARE							SPARE	1	20	2
3	20	1	SPARE							SPARE	1	20	4
5	20	1	SPARE							SPARE	1	20	6
7	20	1	SPARE							SPARE	1	20	8
9	20	1	SPARE							SPARE	1	20	10
11	20	1	SPARE							SPARE	1	20	12
13	20	1	SPARE							SPARE	1	20	14
15	20	1	SPARE							SPARE	1	20	16
17	20	1	SPARE							SPARE	1	20	18
19	20	1	SPARE							SPARE	1	20	20
21	20	1	SPARE							SPARE	1	20	22
23	20	1	SPARE							SPARE	1	20	24
25	20	1	SPARE							SPARE	1	20	26
27	20	1	SPARE							SPARE	1	20	28
29	20	1	SPARE							SPARE	1	20	30
31	20	1	SPARE							SPARE	1	20	32
33	20	1	SPARE							SPARE	1	20	34
35	20	1	SPARE							SPARE	1	20	36
37	20	1	SPARE							SPARE	1	20	38
39	20	1	SPARE							SPARE	1	20	40
41	20	1	SPARE							SPARE	1	20	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_28_2b

SUPPLY: [ ] - BOTT. [X] - TOP [ ] - LUGS [ ] -MAIN BKR. | [ ] - LTG. [X] - RECEPT. [ ] -POWER NEMA 1
TYPE: [ ] - 3P3W [X] - 3P4W [X] - WITH GRD. BAR | PANEL 2SR5A | MOUNTING [X] -SURFACE [ ] - FLUSH [ ] -COLUMN
MAINS: 225 A 10000 A.I.C. WITH FEED THROUGH LUGS | VOLTAGE: [X] -120 / 208 [ ] -277 / 480 [ ] 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	20	1	SPARE				1200			OFFICE RECEPTACLE	1	20	2
3	20	1	SPARE					1200		OFFICE RECEPTACLE	1	20	4
5	20	1	SPARE						1200	OFFICE RECEPTACLE	1	20	6
7	20	1	SPARE				1200			OFFICE RECEPTACLE	1	20	8
9	20	1	OFFICE RECEPACTLE		1200			1200		OFFICE RECEPTACLE	1	20	10
11	20	1	OFFICE RECEPACTLE			1200			1200	OFFICE RECEPTACLE	1	20	12
13	20	1	OFFICE RECEPACTLE	1200			1200			OFFICE RECEPTACLE	1	20	14
15	20	1	OFFICE RECEPACTLE		1200			1200		OFFICE RECEPTACLE	1	20	16
17	20	1	OFFICE RECEPACTLE			1200			1200	OFFICE RECEPTACLE	1	20	18
19	20	1	OFFICE RECEPACTLE	1200			1200			OFFICE RECEPTACLE	1	20	20
21	20	1	OFFICE RECEPACTLE		1200			1200		OFFICE RECEPTACLE	1	20	22
23	20	1	OFFICE RECEPACTLE			1200			1200	OFFICE RECEPTACLE	1	20	24
25	20	1	OFFICE RECEPACTLE	1200			1200			OFFICE RECEPTACLE	1	20	26
27	20	1	OFFICE RECEPACTLE		1200			1200		OFFICE RECEPTACLE	1	20	28
29	20	1	OFFICE RECEPACTLE			1200			1200	OFFICE RECEPTACLE	1	20	30
31	20	1	OFFICE RECEPACTLE	1200			1200			OFFICE RECEPTACLE	1	20	32
33	20	1	OFFICE RECEPACTLE		1200			1200		OFFICE RECEPTACLE	1	20	34
35	20	1	OFFICE RECEPACTLE			1200			1200	OFFICE RECEPTACLE	1	20	36
37	20	1	OFFICE RECEPACTLE	1200			1200			OFFICE RECEPTACLE	1	20	38
39	20	1	OFFICE RECEPACTLE		1200			1200		OFFICE RECEPTACLE	1	20	40
41	20	1	OFFICE RECEPACTLE			1200			1200	OFFICE RECEPTACLE	1	20	42

	A	B	C
PHASE TOTALS COL. #1	6000	7200	7200
PHASE TOTALS COL. #2	8400	8400	8400
PHASE TOTAL VA	14400	15600	15600

TOTAL 3 PHASE CONNECTED 46 KVA 127 AMPS

file panelsch_31_2b

SUPPLY: [ ] - BOTT. [X] - TOP [X] - LUGS [ ] -MAIN BKR. | [ ] - LTG. [X] - RECEPT. [ ] -POWER NEMA 1
TYPE: [ ] - 3P3W [X] - 3P4W [X] - WITH GRD. BAR | PANEL 2SR5B | MOUNTING [X] -SURFACE [ ] - FLUSH [ ] -COLUMN
MAINS: 225 A 10000 A.I.C. | VOLTAGE: [X] -120 / 208 [ ] -277 / 480 [ ] 480 /
175 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	20	1	OFFICE RECEPTACLE	1200						SPARE	1	20	2
3	20	1	OFFICE RECEPTACLE		1200					SPARE	1	20	4
5	20	1	OFFICE RECEPTACLE			1200				SPARE	1	20	6
7	20	1	OFFICE RECEPTACLE	1200						SPARE	1	20	8
9	20	1	OFFICE RECEPTACLE		1200					SPARE	1	20	10
11	20	1	OFFICE RECEPTACLE			1200				SPARE	1	20	12
13	20	1	OFFICE RECEPTACLE	1200						SPARE	1	20	14
15	20	1	SPARE							SPARE	1	20	16
17	20	1	SPARE							SPARE	1	20	18
19	20	1	SPARE							SPARE	1	20	20
21	20	1	SPARE							SPARE	1	20	22
23	20	1	SPARE							SPARE	1	20	24
25	20	1	SPARE							SPARE	1	20	26
27	20	1	SPARE							SPARE	1	20	28
29	20	1	SPARE							SPARE	1	20	30
31	20	1	SPARE							SPARE	1	20	32
33	20	1	SPARE							SPARE	1	20	34
35	20	1	SPARE							SPARE	1	20	36
37	20	1	SPARE							SPARE	1	20	38
39	20	1	SPARE							SPARE	1	20	40
41	20	1	SPARE							SPARE	1	20	42

	A	B	C
PHASE TOTALS COL. #1	3600	2400	2400
PHASE TOTALS COL. #2	0	0	0
PHASE TOTAL VA	3600	2400	2400

TOTAL 3 PHASE CONNECTED 8 KVA 23 AMPS

file panelsch_32_2b

SUPPLY: [ ] - BOTT. [X] - TOP [ ] - LUGS [X] -MAIN BKR. | [ ] - LTG. [X] - RECEPT. [ ] -POWER NEMA 1
TYPE: [ ] - 3P3W [X] - 3P4W [X] - WITH GRD. BAR | PANEL 3SR1A | MOUNTING [X] -SURFACE [ ] - FLUSH [ ] -COLUMN
MAINS: 225 A 10000 A.I.C. | VOLTAGE: [X] -120 / 208 [ ] -277 / 480 [ ] 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	20	1	SPARE							SPARE	1	20	2
3	20	1	SPARE							SPARE	1	20	4
5	20	1	SPARE							SPARE	1	20	6
7	20	1	SPARE							SPARE	1	20	8
9	20	1	SPARE							SPARE	1	20	10
11	20	1	SPARE							SPARE	1	20	12
13	20	1	SPARE							SPARE	1	20	14
15	20	1	SPARE							SPARE	1	20	16
17	20	1	SPARE							SPARE	1	20	18
19	20	1	SPARE							SPARE	1	20	20
21	20	1	SPARE							SPARE	1	20	22
23	20	1	SPARE							SPARE	1	20	24
25	20	1	SPARE							SPARE	1	20	26
27	20	1	SPARE							SPARE	1	20	28
29	20	1	SPARE							SPARE	1	20	30
31	20	1	SPARE							SPARE	1	20	32
33	20	1	SPARE							SPARE	1	20	34
35	20	1	SPARE							SPARE	1	20	36
37	20	1	SPARE							SPARE	1	20	38
39	20	1	SPARE							SPARE	1	20	40
41	20	1	SPARE							SPARE	1	20	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_33_2b

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SECTION AND DETAIL KEY: NUMBER OF SECTION OR DETAIL / DRAWING ON WHICH SECTION OR DETAIL IS SHOWN OR TAKEN

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	ST	CV	EC	EE	EM	IE	M	PD	SE	AR
1				CERTIFIED FOR CONSTRUCTION - 12/20/01	DD	RL			(signature)	12/01	(signature)	12/01			(signature)	12/26/01	VGS	106009	12/20/01	RW	AW	BWJ	PD	BWJ	BWJ	--	BWJ	--	ED
0	–	–	–	CERTIFIED FOR CONSTRUCTION - 05/15/2001	DD	RL			CLG	10/1/01	JS	08/21/01			JRL	10/8/01	VGS	106009	5/15/01	SC	AW	WRS	RL	WRS	BWJ	--	WRS	--	WAS

REVISION OR ISSUE PURPOSE | REVISION APPROVALS | SQUAD CHECK

RPE: VICTOR G. STEFFEN, REGISTERED ENGINEER, AGRICULTURE, COMMERCE, No. 00106009, STATE OF TENNESSEE (seal, signed 12-17-01)
REV. 1 DATE 12-17-01

DRAWING APPROVALS		
DSN	D.DANIELSON	5/15/01
DRW	S. BARNETT	5/15/01
CHK	R.LENNIG	5/15/01
DEPT		
PE	C.GARREN	10/1/01
PJ	J. STELLERN	8/21/01
REQ		
UTB	J.LAWSON	10/8/01

108031400-E8E-8600-A138

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UT-BATTELLE
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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	52	53	WBS		REV
NC	NA		1.8.3.14	E9.21.44	1

NEXT ASS'Y: FINAL ASS'Y:

AutoCAD