SUPPLY: [ ] – BOTT. [X] – TOP [ ] – LUGS [X] –MAIN BKR.
TYPE: [ ] – 3P3W [X] – 3P4W [X] – WITH GRD. BAR
MAINS: 100 A 10000 A.I.C.
PANEL 2R6A
[ ] – LTG. [X] – RECEPT. [ ] –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	20	1	GENERAL RECEPTACLE	1200						SPARE	1	20	2
3	20	1	GENERAL RECEPTACLE		1200					SPARE	1	20	4
5	20	1	GENERAL RECEPTACLE			1200				SPARE	1	20	6
7	20	1	GENERAL RECEPTACLE	1200						SPARE	1	20	8
9	20	1	GENERAL RECEPTACLE		1200					SPARE	1	20	10
11	20	1	GENERAL RECEPTACLE			1200				SPARE	1	20	12
13	20	1	GENERAL RECEPTACLE	1200						SPARE	1	20	14
15	20	1	GENERAL RECEPTACLE		1200					SPARE	1	20	16
17	20	1	GENERAL RECEPTACLE			1200				SPARE	1	20	18
19			SPACE							SPACE			20
21			SPACE							SPACE			22
23			SPACE							SPACE			24
25			SPACE										26
27			SPACE										28
29			SPACE										30
31													32
33													34
35													36
37													38
39													40
41													42

PHASE TOTALS COL. #1	3600	3600	3600
PHASE TOTALS COL. #2	0	0	0
PHASE TOTAL VA	3600	3600	3600

TOTAL 3 PHASE CONNECTED 11 KVA 30 AMPS

file panelsch_60_2b

SUPPLY: [ ] – BOTT. [X] – TOP [X] – LUGS [ ] –MAIN BKR.
TYPE: [ ] – 3P3W [X] – 3P4W [X] – WITH GRD. BAR
MAINS: 100 A 10000 A.I.C.
PANEL 3R1A
[ ] – LTG. [X] – 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	20	1	GENERAL RECEPTACLE	1200			1680			FPB-CL-315,316	1	20	2
3	20	1	GENERAL RECEPTACLE		1200			1680		FPB-CL-317,318	1	20	4
5	20	1	GENERAL RECEPTACLE			1200			1680	FPB-CL-319,321	1	20	6
7	20	1	SPARE				120			UH-CL-301	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							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

PHASE TOTALS COL. #1	1200	1200	1200
PHASE TOTALS COL. #2	1800	1680	1680
PHASE TOTAL VA	3000	2880	2880

TOTAL 3 PHASE CONNECTED 9 KVA 24 AMPS

file panelsch_65_2b

SUPPLY: [ ] – BOTT. [X] – TOP [ ] – LUGS [X] –MAIN BKR.
TYPE: [ ] – 3P3W [X] – 3P4W [X] – WITH GRD. BAR
MAINS: 100 A 10000 A.I.C.
W/FEED THROUGH LUGS
PANEL 3R2A
[ ] – LTG. [X] – RECEPT. [ ] –POWER NEMA 1
MOUNTING [X] –SURFACE [ ] – FLUSH [ ] –COLUMN
VOLTAGE: [X] –120 / 208 [ ] –277 / 480 [ ] 480 /
80 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	GENERAL RECEPTACLE	1200			1680			FPB-CL-301,302	1	20	2
3	20	1	GENERAL RECEPTACLE		1200			840		FPB-CL-313	1	20	4
5	20	1	GENERAL RECEPTACLE			1200				SPARE	1	20	6
7	20	1	GENERAL RECEPTACLE	1200						SPARE	1	20	8
9	20	1	GENERAL RECEPTACLE		1200					SPARE	1	20	10
11	20	1	GENERAL RECEPTACLE			1200				SPARE	1	20	12
13	20	1	GENERAL RECEPTACLE	1200						SPARE	1	20	14
15	20	1	GENERAL RECEPTACLE		1200					SPARE	1	20	16
17	20	1	GENERAL RECEPTACLE			1200				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

PHASE TOTALS COL. #1	3600	3600	3600
PHASE TOTALS COL. #2	1680	840	0
PHASE TOTAL VA	5280	4440	3600

TOTAL 3 PHASE CONNECTED 13 KVA 37 AMPS

file panelsch_67_2b

SUPPLY: [ ] – BOTT. [X] – TOP [X] – LUGS [ ] –MAIN BKR.
TYPE: [ ] – 3P3W [X] – 3P4W [X] – WITH GRD. BAR
MAINS: 100 A 10000 A.I.C.
PANEL 3R3A
[ ] – LTG. [X] – RECEPT. [ ] –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	20	1	GENERAL RECEPTACLE	1080			1680			FPB-CL-322,323	1	20	2
3	20	1	GENERAL RECEPTACLE		1080			840		FPB-CL-324	1	20	4
5	20	1	GENERAL RECEPTACLE			1080			1200	MECH CNTRL ENCLOSURE	1	20	6
7	20	1	GENERAL RECEPTACLE	1080						SPARE	1	20	8
9	20	1	GENERAL RECEPTACLE		1080					SPARE	1	20	10
11	20	1	GENERAL RECEPTACLE			1080				SPARE	1	20	12
13	20	1	GENERAL RECEPTACLE	1080						SPARE	1	20	14
15	20	1	SPARE							SPARE	1	20	16
17	20	1	SPARE							SPACE			18
19	20	1	SPARE							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

PHASE TOTALS COL. #1	3240	2160	2160
PHASE TOTALS COL. #2	1680	840	1200
PHASE TOTAL VA	4920	3000	3360

TOTAL 3 PHASE CONNECTED 11 KVA 31 AMPS

file panelsch_68_2b

SUPPLY: [ ] – BOTT. [X] – TOP [X] – LUGS [ ] –MAIN BKR.
TYPE: [ ] – 3P3W [X] – 3P4W [X] – WITH GRD. BAR
MAINS: 100 A 10000 A.I.C.
PANEL 3R5A
[ ] – LTG. [X] – 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	20	1	GENERAL RECEPTACLE	1200			1680			FPB-CL-303,304	1	20	2
3	20	1	GENERAL RECEPTACLE		1200			1680		FPB-CL-305	1	20	4
5	20	1	GENERAL RECEPTACLE			1200			840	FPB-CL-306,308	1	20	6
7	20	1	GENERAL RECEPTACLE	1200			1680			FPB-CL-309,310	1	20	8
9	20	1	GENERAL RECEPTACLE		1200			1680		FPB-CL-311,312	1	20	10
11	20	1	GENERAL RECEPTACLE			1200				SPARE	1	20	12
13	20	1	GENERAL RECEPTACLE	1200						SPARE	1	20	14
15	20	1	GENERAL RECEPTACLE		1200					SPARE	1	20	16
17	20	1	GENERAL RECEPTACLE			1200				SPACE			18
19	20	1	GENERAL RECEPTACLE	1200						SPACE			20
21	20	1	GENERAL RECEPTACLE		1200					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

PHASE TOTALS COL. #1	4800	4800	3600
PHASE TOTALS COL. #2	3360	3360	840
PHASE TOTAL VA	8160	8160	4440

TOTAL 3 PHASE CONNECTED 21 KVA 58 AMPS

file panelsch_70_2b

SUPPLY: [ ] – BOTT. [X] – TOP [X] – LUGS [ ] –MAIN BKR.
TYPE: [ ] – 3P3W [X] – 3P4W [X] – WITH GRD. BAR
MAINS: 100 A 10000 A.I.C.
PANEL 3R6A
[ ] – LTG. [X] – RECEPT. [ ] –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	20	1	GENERAL RECEPTACLE	1200						SPARE	1	20	2
3	20	1	GENERAL RECEPTACLE		1200					SPARE	1	20	4
5	20	1	GENERAL RECEPTACLE			1200				SPARE	1	20	6
7	20	1	GENERAL RECEPTACLE	1200						SPARE	1	20	8
9	20	1	GENERAL RECEPTACLE		1200			1200		GENERAL RECEPTACLE	1	20	10
11	20	1	GENERAL RECEPTACLE			1200				SPARE	1	20	12
13	20	1	GENERAL RECEPTACLE	1200						SPARE	1	20	14
15	20	1	GENERAL RECEPTACLE		1200					SPARE	1	20	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

PHASE TOTALS COL. #1	3600	3600	2400
PHASE TOTALS COL. #2	0	1200	0
PHASE TOTAL VA	3600	4800	2400

TOTAL 3 PHASE CONNECTED 11 KVA 30 AMPS

file panelsch_66_2b

SUPPLY: [ ] – BOTT. [X] – TOP [ ] – LUGS [X] –MAIN BKR.
TYPE: [ ] – 3P3W [X] – 3P4W [X] – WITH GRD. BAR
MAINS: 225 A 10000 A.I.C.
W/ FEED THROUGH LUGS
PANEL 4R2A
[ ] – LTG. [X] – RECEPT. [ ] –POWER NEMA 1
MOUNTING [X] –SURFACE [ ] – FLUSH [ ] –COLUMN
VOLTAGE: [X] –120 / 208 [ ] –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	20	1	GENERAL RECEPTACLE	1200			1200			GENERAL RECEPTACLE	1	20	2
3	20	1	GENERAL RECEPTACLE		1200			1200		GENERAL RECEPTACLE	1	20	4
5	20	1	GENERAL RECEPTACLE			1200			1680	FPB-CL-401,402	1	20	6
7	20	1	GENERAL RECEPTACLE	1200			1680			FPB-CL-403,404	1	20	8
9	20	1	GENERAL RECEPTACLE		1200			1680		FPB-CL-405,406	1	20	10
11	20	1	GENERAL RECEPTACLE			1200			1680	FPB-CL-407,408	1	20	12
13	20	1	GENERAL RECEPTACLE	1200			1680			FPB-CL-410,411	1	20	14
15	20	1	GENERAL RECEPTACLE		1200			1680		FPB-CL-412,413	1	20	16
17	20	1	GENERAL RECEPTACLE			1200			1680	FPB-CL-414,415	1	20	18
19	20	1	GENERAL RECEPTACLE	1200			1680			FPB-CL-416,417	1	20	20
21	20	1	GENERAL RECEPTACLE		1200			1680		FPB-CL-409,418	1	20	22
23	20	1	GENERAL RECEPTACLE			1200				SPARE	1	20	24
25	20	1	GENERAL RECEPTACLE	1200						SPARE	1	20	26
27	20	1	GENERAL RECEPTACLE		1200					SPARE	1	20	28
29			SPACE			1200				SPARE	1	20	30
31													32
33													34
35													36
37													38
39													40
41													42

PHASE TOTALS COL. #1	6000	6000	6000
PHASE TOTALS COL. #2	6240	6240	5040
PHASE TOTAL VA	12240	12240	11040

TOTAL 3 PHASE CONNECTED 36 KVA 99 AMPS

file panelsch_71_2b

SUPPLY: [ ] – BOTT. [X] – TOP [ ] – LUGS [X] –MAIN BKR.
TYPE: [ ] – 3P3W [X] – 3P4W [X] – WITH GRD. BAR
MAINS: 100 A 10000 A.I.C.
W/ FEED THROUGH LUGS
PANEL 4R5A
[ ] – LTG. [X] – RECEPT. [ ] –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	20	1	GENERAL RECEPTACLE	1200			1680			FPB-CL-419,420	1	20	2
3	20	1	GENERAL RECEPTACLE		1200			1680		FPB-CL-421,422	1	20	4
5	20	1	GENERAL RECEPTACLE			1200			1680	FPB-CL-423,424	1	20	6
7	20	1	GENERAL RECEPTACLE	1200			1680			FPB-CL-425,426	1	20	8
9	20	1	GENERAL RECEPTACLE		1200			1680		FPB-CL-427,428	1	20	10
11	20	1	GENERAL RECEPTACLE			1200			1680	FPB-CL-429,430	1	20	12
13	20	1	GENERAL RECEPTACLE	1200			1680			FPB-CL-431,432	1	20	14
15	20	1	SPARE							SPARE	1	20	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

PHASE TOTALS COL. #1	3600	2400	2400
PHASE TOTALS COL. #2	5040	3360	3360
PHASE TOTAL VA	8640	5760	5760

TOTAL 3 PHASE CONNECTED 20 KVA 56 AMPS

file panelsch_72_2b

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

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
1	–	–	–	CERTIFIED FOR CONSTRUCTION – 12/20/01	DD	RL	
0	–	–	–	CERTIFIED FOR CONSTRUCTION – 05/15/2001	DD	RL	

REVISION OR ISSUE PURPOSE

DATE	PE	DATE	PJ	DATE	REQ
12/01	CLG	10/1/01	JS	08/21/01	

DATE	UTB	DATE	RPE	RPE NO	DATE
	JRL	10/8/01	VGS	106009	12/20/01
	JRL	10/8/01	VGS	106009	5/15/01

REVISION APPROVALS

RW	AW	BWJ	PD	BWJ	BWJ	--	BWJ	--	ED
SC	AW	WRS	RL	WRS	BWJ	--	WRS	--	WAS
ST	CV	EC	EE	EM	IE	M	PD	SE	AR

SQUAD CHECK

RPE
JACK G. STELLERN REGISTERED ENGINEER No. 091999 STATE OF TENNESSEE
1 12-17-01
REV. DATE

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

DRAWING APPROVALS

108031400-E8E-8600-A156

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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		E9.21.49			1

Date: 01/07/2002 Time: 09:14:23
Username: GUIDANCE
File: P:\PCL2\PROJECTS\3600\700_CAD\300_DET\PCL2UTJ3-21-46.DWG
AutoCAD