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

SUPPLY: [ ] - BOTT. [X] - TOP [X] - LUGS [ ] -MAIN BKR. — [ ] - LTG. [X] - RECEPT. [ ] -POWER NEMA 1
TYPE: [ ] - 3P3W [X] - 3P4W [x] - WITH GRD. BAR — PANEL 5R2A — MOUNTING [X] -SURFACE [ ] - FLUSH [ ] -COLUMN
MAINS: 225 A 10000 A.I.C. — 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			1200			GENERAL RECEPTACLE	1	20	2
3	20	1	GENERAL RECEPTACLE		1200			1200		GENERAL RECEPTACLE	1	20	4
5	20	1	GENERAL RECEPTACLE			1200			1728	FPB-CL-500,501	1	20	6
7	20	1	GENERAL RECEPTACLE	1200			1728			FPB-CL-502,503	1	20	8
9	20	1	GENERAL RECEPTACLE		1200			1728		FPB-CL-504,507	1	20	10
11	20	1	GENERAL RECEPTACLE			1200			1728	FPB-CL-506,505	1	20	12
13	20	1	GENERAL RECEPTACLE	1200			1728			FPB-CL-508,509	1	20	14
15	20	1	GENERAL RECEPTACLE		1200				600	UH-CL-505	1	20	16
17	20	1	GENERAL RECEPTACLE			1200	640	–		FCU-C1-601-602	1	20	18
19			SPACE					1728		FT-CL-502-602	1	20	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	3600	3600	3600
PHASE TOTALS COL. #2	5296	4656	4056
PHASE TOTAL VA	8896	8256	7656

TOTAL 3 PHASE CONNECTED 25 KVA 69 AMPS

file panelsch_130_2b

SUPPLY: [ ] - BOTT. [X] - TOP [X] - LUGS [X] -MAIN BKR. — [ ] - LTG. [X] - RECEPT. [ ] -POWER NEMA 1
TYPE: [ ] - 3P3W [X] - 3P4W [ ] - WITH GRD. BAR — PANEL 5R5A — MOUNTING [X] -SURFACE [ ] - FLUSH [ ] -COLUMN
MAINS: 100 A 10000 A.I.C. — 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			1200			GENERAL RECEPTACLE	1	20	2
3	20	1	GENERAL RECEPTACLE		1200			1200		UH-CL-501,502	1	20	4
5	20	1	GENERAL RECEPTACLE			1200			1200	UH-CL-503,504	1	20	6
7	20	1	SPARE				100			CH-CL-501	1	20	8
9	20	1	SPARE							SPARE	1	20	10
11	20	1	SPARE							CP-CL-501	1	20	12
13	20	1	SPARE							WH-CL-501,502	1	20	14
15	20	1	SPARE							SPARE	1	20	16
17			SPACE							SPACE			18
19			SPACE				1200			MECH. CONT. ENCLOSURE	1	20	20
21	20	1	MECH. CONT. ENCLOSURE		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

	A	B	C
PHASE TOTALS COL. #1	1200	2400	1200
PHASE TOTALS COL. #2	2500	1200	1200
PHASE TOTAL VA	3700	3600	2400

TOTAL 3 PHASE CONNECTED 10 KVA 27 AMPS

file panelsch_131_2b

SUPPLY: [ ] - BOTT. [X] - TOP [ ] - LUGS [X] -MAIN BKR. — [ ] - LTG. [X] - RECEPT. [ ] -POWER NEMA 1
TYPE: [ ] - 3P3W [X] - 3P4W [X] - WITH GRD. BAR — PANEL B1RKA — MOUNTING [X] -SURFACE [ ] - FLUSH [ ] -COLUMN
MAINS: 225 A 10000 A.I.C. — VOLTAGE: [X] -120 / 208 [ ] -277 / 480 [ ] 480 /
225 A. MAIN BKR. WITH: [X] - SHUNT TRIP [ ] - ADJ. TRIP [ ] -G.F.P.
W FEED THROUGH LUGS

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	004 WALKIN REFRIG	1920			504			004A EVAPORATOR	1	20	2
3	20	1	005 A EVAP COIL		504			1019		004C EVAP COIL FRZR	2	20	4
5	20	1	005 REFRIG. WALKIN			1920			1019				6
7				1044			1933						8
9	20	3	004B REFRIG. COMPRESSOR		1045			1933		004D COMPRESSOR	3	20	10
11						1045			1933	FREEZER			12
13				1044			600			008 HAND SINK	1	20	14
15	20	3	005B REFRIG COMPRESSOR		1045			1196		016A ICE CUBER	2	20	16
17						1045			1196				18
19	20	1	018 WORKTABLE W/SINK	1920			1920			019 WORKTABLE W/B.M.	1	20	20
21	20	2	019 WORKTABLE W/B.M.		1567			1920		020 WORKTABLE W/SINK	1	20	22
23						1567			1200	021 KETTLE, 40 GAL	1	20	24
25	20	1	022 BRAISING PAN	360			1200			024 PRESSURE FRYER	1	20	26
27	20	2	026 COMBI-STEAMER		2701			300		027 EXHAUST HOOD	1	20	28
29						2701			1992	028 HEATED CABINET	1	20	30
31	20	1	028 HEATED CABINET	332			1992			028 HEATED CABINET	1	20	32
33	20	1	028 HEATED CABINET		332					SPARE	1	20	34
35										SPARE	1	20	36
37	20	3	SPARE							SPARE	1	20	38
39										SPARE	1	20	40
41	20	1	SPARE							SPARE	1	20	42

	A	B	C
PHASE TOTALS COL. #1	6620	7194	8278
PHASE TOTALS COL. #2	8149	6368	7340
PHASE TOTAL VA	14769	13562	15618

TOTAL 3 PHASE CONNECTED 44 KVA 122 AMPS

file: panelsch_124_2b

SUPPLY: [ ] - BOTT. [X] - TOP [X] - LUGS [ ] -MAIN BKR. — [ ] - LTG. [X] - RECEPT. [X] -POWER NEMA 1
TYPE: [ ] - 3P3W [X] - 3P4W [X] - WITH GRD. BAR — PANEL B1RKB — MOUNTING [X] -SURFACE [ ] - FLUSH [ ] -COLUMN
MAINS: 225 A 10000 A.I.C. — VOLTAGE: [X] -120 / 208 [ ] -277 / 480 [ ] 480 /
225 A. MAIN BKR. WITH: [X] - 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	008 HAND SINK	600			1920			011 MOBILE WORKTABLE	1	20	2
3	20	1	010 WORKTABLE W/SINK		1920			1920		011 MOBILE WORKTABLE	1	20	4
5	20	1	014 SLICER			1176			1920	051 WORKTABLE W/SINK	1	20	6
7				720			1176			015 MIXER	1	20	8
9	20	3	013 FOOD PROCESSOR		720			1392		029 REFRIG ROLL-IN	1	20	10
11						720			1920	031 WORKTABLE W/SINK	1	20	12
13	20	1	032 COFFEE BREWER	1920			1196			033 COMPARTMENT SINK	2	20	14
15	20	2	034 DISHTABLE SOILED		1560			1196					16
17						1560			720				18
19				720			720			037 WASTE DISPOSER	3	20	20
21	20	3	037 WASTE DISPOSER		720			720					22
23						720			10699				24
25	20	1	038B BOOSTER HTR	1308			10699			038 WAREWASHER	3	80	26
27	20	2	050 HEATED CABINET		655			10699					28
29						655			756	052 MOBILE PLATE DISP	1	20	30
31	20	1	052 MOBILE PLATE DISP	756			756			052 MOBILE PLATE DISP	1	20	32
33	20	1	052 MOBILE PLATE DISP		756								34
35	20	2	SPARE							SPARE	1	20	36
37													38
39	20	1	SPARE							SPARE	1	20	40
41	20	1	SPARE							SPARE	1	20	42

	A	B	C
PHASE TOTALS COL. #1	6024	6331	4831
PHASE TOTALS COL. #2	16467	15927	16015
PHASE TOTAL VA	22491	22258	20846

TOTAL 3 PHASE CONNECTED 66 KVA 182 AMPS

file: panelsch_125_2b

SUPPLY: [ ] - BOTT. [X] - TOP [ ] - LUGS [X] -MAIN BKR. — [ ] - LTG. [X] - RECEPT. [X] -POWER NEMA 1
TYPE: [ ] - 3P3W [X] - 3P4W [X] - WITH GRD. BAR — PANEL B1RKC — MOUNTING [X] -SURFACE [ ] - FLUSH [ ] -COLUMN
MAINS: 225 A 10000 A.I.C. — VOLTAGE: [X] -120 / 208 [ ] -277 / 480 [ ] 480 /
225 A. MAIN BKR. WITH: [X] - SHUNT TRIP [ ] - ADJ. TRIP [ ] -G.F.P.
W FEED THROUGH LUGS

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	052 MOBILE PLATE DISP	756			192			053A BREATH PROTECTOR	1	20	2
3	20	1	052 MOBILE PLATE DISP		756			1753					4
5	20	1	053B FOOD WARMER			792			1753	054 HOT FOOD WELLS	3	20	6
7	20	1	053B FOOD WARMER	792			1753						8
9	20	1	056A BREATH PROTECTOR		300			1092		056B FOOD WARMER	1	20	10
11	20	1	057 UNDERCOUNTER FRIG			696			1092	056B FOOD WARMER	1	20	12
13	20	1	059 ICE PAN	480			1237						14
15	20	1	062 FRYER		120			1237		058 HOT FOOD WELLS	3	20	16
17	20	1	062A DUMP STATION			1080			1237				18
19	20	1	063 EXHAUST HOOD	300			300			067A BREATH PROTECTOR	1	20	20
21					2041			828		070 SOUP WELLS	1	20	22
23	20	3	068 SOFT SERVE MACH			2041			828	070 SOUP WELLS	1	20	24
25				2041			3722						26
27	20	1	072A BREATH PROTECTOR		300			3722		092 COFFEE URN	3	40	28
29	20	1	072B BREATH PROTECTOR			300			3722				30
31	20	1	076 UNDERCOUNTER FRIG	696									32
33	20	1	077 CONV. OVEN		840					SPARE	3	20	34
35	20	1	GENERAL RECEPTACLES			1200							36
37	20	1	GENERAL RECEPTACLES	1200									38
39	20	1	SPARE							SPARE	3	40	40
41	20	1	SPARE										42

	A	B	C
PHASE TOTALS COL. #1	5065	4357	6109
PHASE TOTALS COL. #2	7204	8632	8632
PHASE TOTAL VA	12269	12989	14741

TOTAL 3 PHASE CONNECTED 40 KVA 111 AMPS

file: panelsch_126_2b

SUPPLY: [ ] - BOTT. [X] - TOP [X] - LUGS [ ] -MAIN BKR. — [ ] - LTG. [X] - RECEPT. [ ] -POWER NEMA 1
TYPE: [ ] - 3P3W [X] - 3P4W [X] - WITH GRD. BAR — PANEL B1RKD — MOUNTING [X] -SURFACE [ ] - FLUSH [ ] -COLUMN
MAINS: 225 A 10000 A.I.C. — VOLTAGE: [X] -120 / 208 [ ] -277 / 480 [ ] 480 /
225 A. MAIN BKR. WITH: [X] - 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	008 HAND SINK	600			1176			014 SLICER	1	20	2
3	20	1	052 MOBILE PLATE DISP		756			2080		075 SAND. FRDG	1	20	4
5	20	1	052 MOBILE PLATE DISP			756			1373	072C FOOD WARMER	1	20	6
7	20	1	078 EXHAUST HOOD	300			1373			072C FOOD WARMER	1	20	8
9	20	1	080 ROLL IN REFRIG		1020			816		079 PIZZA FRIG	1	20	10
11	20	1	081 WORKTABLE W/SINK			1920			780	084 FRDG	1	20	12
13	20	1	082 WORKTABLE W/SINK	1920			2496			089B CARBONATOR	1	20	14
15	20	1	089BEV, DISP(DISP)		960			2496		090 CAPPUCCINO	1	20	16
17	20	1	089 BEV DISP ICE MAKER			1320			3120	091 ICE TEA BREWER	1	20	18
19	40	2	071 ICE PAN	634			600			094 FRDG SELF SERV	1	20	20
21					634			1920		094A FRDG COMPRESSOR	1	20	22
23	20	1	098 BEV REFRIG			1440			1440	098 BEV FRGD	1	20	24
25	20	1	100 CASH REG.	1800			3328			099 CASH STATION	1	20	26
27	20	1	102 COUNTER		1920			3328		099 CASH STATION	1	20	28
29	20	1	100 CASH REG.			1800				SPARE	2	20	30
31	20	1	COUNTER	1200									32
33	20	1	COUNTER		1200								34
35	20	1	SPARE							SPARE	3	20	36
37	20	1	SPARE										38
39	20	1	SPARE							SPARE	1	20	40
41	20	1	SPARE							SPARE	1	20	42

	A	B	C
PHASE TOTALS COL. #1	6454	6490	7236
PHASE TOTALS COL. #2	8973	10640	6713
PHASE TOTAL VA	15427	17130	13949

TOTAL 3 PHASE CONNECTED 47 KVA 129 AMPS

file: panelsch_127_2b

ALL WORK WITHIN THIS AREA IS PART OF ALTERNATE BID 1C

SUPPLY: [ ] - BOTT. [X] - TOP [ ] - LUGS [X] -MAIN BKR. — [ ] - LTG. [X] - RECEPT. [ ] -POWER NEMA 1
TYPE: [ ] - 3P3W [X] - 3P4W [x] - WITH GRD. BAR — PANEL B2UPS1 — 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	TELEPHONE SWITCH RECEPTACLE	1200			1200			TELEPHONE SWITCH RECEPTACLE	1	20	2
3	20	1	TELEPHONE SWITCH RECEPTACLE		1200			1200		TELEPHONE SWITCH RECEPTACLE	1	20	4
5	20	1	SPARE					1200		GENERAL RECEPTACLE	1	20	6
7	20	1	SPARE						1200	GENERAL RECEPTACLE	1	20	8
9	20	1	SPARE				1200			GENERAL RECEPTACLE	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			SPARE							SPARE	1	20	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	1200	1200	0
PHASE TOTALS COL. #2	2400	1200	1200
PHASE TOTAL VA	3600	2400	1200

TOTAL 3 PHASE CONNECTED 7 KVA 20 AMPS

file panelsch_159_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	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 — [seal: VICTOR G. STEFFE, REGISTERED ENGINEER, AGRICULTURE, COMMERCE, No. 00106009, STATE OF TENNESSEE] 12-17-01

REV. 1 DATE 12-17-01

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-A157

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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 NC	52 NA		53		WBS 1.8.3.14		E9.21.50		REV 1	

AutoCAD

Date: 05/08/2001 Time: 13:14:43 Username: GARCIAG PHX-F_VOL2:PROJECTS\7000\700_CADD\TASK_28\740_PLOT\E9-21-50.DWG