SUPPLY: [ ] - BOTT. [X] - TOP [ ] - LUGS [X] -MAIN BKR. [ ] - LTG. [ ] - RECEPT. [ ] - NEMA 1

TYPE: [X] - 3P3W [ ] - 3P4W [X] - WITH GRD. BAR PANEL MOUNTING [X] -SURFACE [ ] - FLUSH [ ] -COLUMN

MAINS: 225 A 65,000 A.I.C. CP-1DP1 VOLTAGE: [ ] -120 / 208 [X] 480 [ ] /

COMPRESSOR BLDG

225 A. MAIN BKR. WITH: [ ] - SHUNT TRIP [ ] - ADJ. TRIP [ ] -G.F.P.

CKT. NO.	TRIP AMP	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 AMP	CKT. NO.
1													2
3	20	3	SPARE							SPARE	3	20	4
5													6
7							1650			480 – 480Y/277V;3PH,4W			8
9	20	3	SPARE					1650		5KVA,XFMR CP-1T2	3	20	10
11									1650	FOR CP-1LP1			12
13			EF-COM-01	650			5000			COMPR BLDG.CP-1T1			14
15	20	3	460V-2HP-EXHAUST FAN		650			5000		15KVA,XFMR 480V-120/208V	3	30	16
17			COMBINATION Motor Starter			650			5000	SUB-PNL CP-1PP1			18
19			WELDING REC- CP-1WR1	13330			1200			COMPRESSOR BLDG			20
21	60	3	480V, 60A,Single twistlock 3ph,		13330			1200		ROLL-UP DOOR (2HP)	3	20	22
23			COMPRESSOR BLDG			13330			1200	PWR/CONT PNL			24
25													26
27													28
29													30
31													32
33													34
35													36
37													38
39													40
41													42

PHASE TOTALS COL. #1	13980	13980	13980
PHASE TOTALS COL. #2	7850	7850	7850
PHASE TOTAL VA	21830	21830	21830

TOTAL 3 PHASE CONNECTED 65 KVA 79 AMPS

SUPPLY: [ ] - BOTT. [X] - TOP [ ] - LUGS [X] -MAIN BKR. [ ] - LTG. [ ] - RECEPT. [ ] - NEMA 3R ENCLR

TYPE: [ ] - 3P3W [X] - 3P4W [X] - WITH GRD. BAR PANEL MOUNTING [X] -SURFACE [ ] - FLUSH [ ] -COLUMN

MAINS: 30 A 22,000 A.I.C. CP-1LP1 VOLTAGE: [ ] -120 / 208 [X] -277 / 480 [ ] /

COMPRESSOR BLDG

MINI POWER SUPPLY CENTER 30 A. MAIN BKR. WITH: [ ] - SHUNT TRIP [ ] - ADJ. TRIP [ ] -G.F.P.

CKT. NO.	TRIP AMP	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 AMP	CKT. NO.
1	20	1	OUTSIDE LIGHTS	370						SPARE	1	20	2
3	20	1	COMPRESSOR RM LIGHTS		840					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													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

PHASE TOTALS COL. #1	370	840	0
PHASE TOTALS COL. #2	0	0	0
PHASE TOTAL VA	370	840	0

TOTAL 3 PHASE CONNECTED 1 KVA 1 AMPS

SUPPLY: [ ] - BOTT. [X] - TOP [ ] - LUGS [X] -MAIN BKR. [ ] - LTG. [X] - RECEPT. [ ] - NEMA 1

TYPE: [ ] - 3P3W [X] - 3P4W [X] - WITH GRD. BAR PANEL MOUNTING [X] -SURFACE [ ] - FLUSH [ ] -COLUMN

MAINS: 100 A 22,000 A.I.C. CP-1PP1 VOLTAGE: [X] -120 / 208 [ ] -277 / 480 [ ] /

COMPRESSOR BLDG

100 A. MAIN BKR. WITH: [ ] - SHUNT TRIP [ ] - ADJ. TRIP [ ] -G.F.P.

CKT. NO.	TRIP AMP	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 AMP	CKT. NO.
1	20	1	UNIT HTR-UH-COM-03-1/12HP	100			100			UNIT HTR-UH-COM-01-1/12HP	1	20	2
3	20	1	UNIT HTR-UH-COM-02-1/12HP		100			1080		DUPLEX REC-COM BLDG	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
21													22
23													24
25													26
27													28
29													30
31													32
33													34
35													36
37													38
39													40
41													42

PHASE TOTALS COL. #1	100	100	0
PHASE TOTALS COL. #2	100	1080	0
PHASE TOTAL VA	200	1180	0

TOTAL 3 PHASE CONNECTED 1 KVA 4 AMPS

- BOTT. [ ] - TOP [ ] - LUGS [X] -MAIN BKR. [ ] - LTG. [ ] - RECEPT. [ ] - NEMA

TYPE: [ ] - 3P3W [X] - 3P4W [X] - WITH GRD. BAR PANEL MOUNTING [X] -SURFACE [ ] - FLUSH [ ] -COLUMN

MAINS: 100 A 22000 A.I.C. TA-3PP6B VOLTAGE: [X] -120 / 208 [ ] -277 / 480 [ ] /

(LVL-2 MAGNET ACCESS AREA)

100 A. MAIN BKR. WITH: [ ] - SHUNT TRIP [ ] - ADJ. TRIP [ ] -G.F.P.

CKT. NO.	TRIP AMP	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 AMP	CKT. NO.
1			VACP-2033A	1350			540			RECEPT TA-210, 201	1	20	2
3	20	3	3 HP		1350			540		RECEPT TA-210, 201	1	20	4
5						1350			540	RECEPT TA-210, 207	1	20	6
7			VACP-2033B	1350			900			RECEPT TA-210, 207	1	20	8
9	20	3	3 HP		1350					SPARE	1	20	10
11						1350			360	RECEPT TA-211	1	20	12
13	20	1	SPARE				1000			VAC PNL TA-211	1	20	14
15	30	1	VACP-1523B		1840			1000		VAC PNL TA-211	1	20	16
17	20	1	SPARE							SPARE	1	20	18
19	20	1	REC LVL3 TA-302,303	360			360			REC LVL3 TA-302,303	1	20	20
21	20	1	REC LVL3 TA-302,303		360			360		REC LVL3 TA-302,304	1	20	22
23	20	1	REC LVL3 TA-302,303			360			360	REC LVL3 TA-302,305	1	20	24
25	20	1	REC LVL3 TA-302,303	360			360			REC LVL3 TA-302,306	1	20	26
27	20	1	REC LVL3 TA-302,303		360			360		REC LVL3 TA-302,307	1	20	28
29	20	1	REC LVL3 TA-302,303			360			360	REC LVL3 TA-302,308	1	20	30
31	20	1	COLD BOX VAC.MOD TURBO PP	600									32
33	20	1	COLD BOX VAC MOD ROUGH PP		400								34
35													36
37													38
39													40
41													42

PHASE TOTALS COL. #1	4020	5660	3420
PHASE TOTALS COL. #2	3160	2260	1620
PHASE TOTAL VA	7180	7920	5040

TOTAL 3 PHASE CONNECTED 20 KVA 56 AMPS

- BOTT. [ ] - TOP [ ] - LUGS [X] -MAIN BKR. [ ] - LTG. [ ] - RECEPT. [ ] - NEMA

TYPE: [ ] - 3P3W [X] - 3P4W [X] - WITH GRD. BAR PANEL MOUNTING [ ] -SURFACE [ ] - FLUSH [ ] -COLUMN

MAINS: 100 A 22000 A.I.C. TA-3PP7 VOLTAGE: [X] -120 / 208 [ ] -277 / 480 [ ] /

(INST LVL FUTURE)

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	BY OTHERS							BY OTHERS	1	20	2
3	20	1	BY OTHERS							BY OTHERS	1	20	4
5	20	1	BY OTHERS							BY OTHERS	1	20	6
7	20	1	BY OTHERS							BY OTHERS	1	20	8
9	20	1	BY OTHERS							BY OTHERS	1	20	10
11	20	1	BY OTHERS							BY OTHERS	1	20	12
13	20	1	BY OTHERS							BY OTHERS	1	20	14
15	20	1	BY OTHERS							BY OTHERS	1	20	16
17	20	1	BY OTHERS							BY OTHERS	1	20	18
19	20	1	BY OTHERS							BY OTHERS	1	20	20
21	20	1	BY OTHERS							BY OTHERS	1	20	22
23	20	1	BY OTHERS							BY OTHERS	1	20	24
25													26
27													28
29													30
31													32
33													34
35													36
37													38
39													40
41													42

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

KEY SCHEDULE

CP-1DP1	CP-1PP1	CP-1LP1
TA-3PP6B	TA-3PP7	

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THIS DOCUMENT CONTROLLED BY
CHANGE CONTROL SYSTEM 3
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 – 10/26/01	HG	VGS			[signature]	11/15/01	RAD	11/14/01			[signature]	11/14/01	VGS	00106009	10/26/01

REVISION OR ISSUE PURPOSE — REVISION APPROVALS

ST	CV	EC	EE	EM	IE	M	PD	SE	AR
REW	–	WRS	AK	WRS	BWJ	–	MP	–	ED

SQUAD CHECK

RPE: [Seal: VICTOR G. STEFFEN, REGISTERED ENGINEER, STATE OF TENNESSEE, No. 00106009] [signature] 11-13-01

REV. 0 DATE 11-13-01

DSN	H.GROVER	10/26/01
DRW	L. MAKOVSKY	10/26/01
CHK	V.STEFFEN	10/26/01
DEPT		
PE	[signature]	11/15/01
PJ	R.A. Dean	11/14/01
REQ		
UTB	[signature]	11/14/01

DRAWING APPROVALS

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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

COMPRESSOR BUILDING PANEL SCHEDULES SHEET 8

1	48	49	50	PLANT	BLDG	FL	SH.	OF	TYPE	CLASS
3	E	X	X	8	8760		1	1	S	U
51 NC		52 NA		53	WBS 1.8.3.15		E9.21.37			REV 0

NEXT ASS'Y: FINAL ASS'Y:

AutoCAD