NEXT ASS'Y: FINAL ASS'Y:

GENERAL NOTES:

1. FOR SINGLE LINE DIAGRAM SEE DWGS E2.10.30, E2.10.31 & E2.10.32.

PANEL TA-3PP1 (BASEMENT-ELEC RM)

SUPPLY: [ ] - BOTT. [X] - TOP [ ] - LUGS [X] -MAIN BKR. [ ] - LTG. [X] - RECEPT. [ ] - NEMA 1
TYPE: [ ] - 3P3W [X] - 3P4W [X] - WITH GRD. BAR MOUNTING [X] -SURFACE [ ] - FLUSH [ ] -COLUMN
MAINS: 225 A 22,000 A.I.C. VOLTAGE: [X] -120 / 208 [ ] -277 / 480 [ ] /
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	20	1	DUPLEX REC-TA-B144	1080			1080			DUPLEX REC-TA--B135	1	20	2
3	20	1	DUPLEX REC-TA-B145		1080			1080		DUPLEX REC-TA--B141	1	20	4
5	20	1	DUPLEX REC-TA-B146			1080			1080	DUPLEX REC-TA--B143,144	1	20	6
7	20	1	DUPLEX REC-TA-B139,140	1080			600			CF_TA-ENCL 03	1	20	8
9	20	1	DUPLEX REC-TA-B130,131		1080			600		CF_TA-ENCL 02	1	20	10
11	20	1	DUPLEX REC-TA-B137,138			1080			600	CF_TA-ENCL 01	1	20	12
13	20	1	DUPLEX REC-TA-B148	1080			100			HTR-UH-TA-02(E. stairwell)	1	20	14
15	20	1	DUPLEX REC-TA-B149		1080			1080		IOC2	1	20	16
17	20	1	DUPLEX REC-TA-B155,156			1080			500	Tgt-ICS:B110CAB01(TA-B110)	1	20	18
19	20	1	DUPLEX REC-TA-B154,155	1080			200			HTR-UH-TA-01,04(Truck Bay)	1	20	20
21	20	1	DUPLEX REC-TA-B142		1080			500		CAB8650-LTG,REC	1	20	22
23	20	1	DUPLEX REC-TA-B142			1080			200	HTR-UH-TA-03,05(Fire& Truck)	1	20	24
25	20	1	Tritium-JB-001A-J1.27.30	1500						SPARE	1	20	26
27	20	1	QUADPLEX REC. TA-B201		1800			1500		JB-005A,SEE J1.28.31	1	20	28
29	20	1	TGT-ICS:B142CAB01			200			1500	Tritium-JB-001-J1.27.30	1	20	30
31	20	1	SPARE				300			LS-TA-02,PD-Lift Station	2	20	32
33	20	1	SPARE					300		208V,1Ph,0.5HP			34
35	20	1	SPARE						300	LS-TA-03,PD-Lift Station	2	20	36
37	20	1	JUNCTION BOX TA-B201	1000			300			208V,1Ph,0.5HP			38
39	20	1	CF_TA:YC8701		600					SPARE	1	20	40
41	20	1	SPARE							SPARE	1	20	42

	A	B	C
PHASE TOTALS COL. #1	6820	6720	4520
PHASE TOTALS COL. #2	2580	5060	4180
PHASE TOTAL VA	9400	11780	8700

TOTAL 3 PHASE CONNECTED 29.88 KVA 83 AMPS

PANEL TA-3PP2 (BASEMENT)

SUPPLY: [ ] - BOTT. [X] - TOP [ ] - LUGS [X] -MAIN BKR. [ ] - LTG. [X] - RECEPT. [ ] - NEMA 1
TYPE: [ ] - 3P3W [X] - 3P4W [X] - WITH GRD. BAR MOUNTING [X] -SURFACE [ ] - FLUSH [ ] -COLUMN
MAINS: 225 A 22,000 A.I.C. VOLTAGE: [X] -120 / 208 [ ] -277 / 480 [ ] /
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	20	1	SPARE				1000			HELUM PANEL(TA-104)	1	20	2
3	20	1	CAB8610-Ltg,rec		1500			1080		DUPLEX REC-(TA-120)	1	20	4
5	20	1	TgT-CTL CAB8500B			500			1080	DUPLEX REC-(TA-B150)	1	20	6
7	20	1	DUPLEX REC-(TA-B104)	1080			1080			DUPLEX REC-(TA-B125)	1	20	8
9	20	1	DUPLEX REC-(TA-B101)		1080			900		REC TA-B124	1	20	10
11	20	1	DUPLEX REC-(TA-B103)			1080			1080	DUPLEX REC-(TA-B135)	1	20	12
13	20	1	SPARE				13000			SUB-PANEL			14
15	20	1	SPARE					13000		TA-3PP2A	3	225	16
17	20	1	DUPLEX REC-(TA-B127)			1080			13000	120/208V,3Ph,4w			18
19	20	1	WOMEN'S RM REC(-B115)	1080			1080			DUPLEX REC-(TA-B107,B108)	1	20	20
21	20	1	MEN'S RM REC(TA-B117)		1080			1080		DUPLEX REC-(TA-B110,B113)	1	20	22
23	20	1	TGT-ICS:B110CAB01(TA-B110)			500			1080	DUPLEX REC-(TA-B112,B113)	1	20	24
25	20	1	TGT-ICS:B110CAB02(TA-B110)	500			1080			DUPLEX REC-(TA-B105)	1	20	26
27	20	1	REC-TA-B122,123,124		720			1080		DUPLEX REC-(TA-B106)	1	20	28
29	20	1	CF_TA-ENCL 04			600			1080	DUPLEX REC-(TA-B105&B106)	1	20	30
31	20	1	SPARE				1080			DUPLEX REC-(TA-B112)	1	20	32
33	20	1	SPARE							SPARE	1	20	34
35	20	1	SPARE							SPARE	1	20	36
37			SPACE							SPACE			38
39			SPACE							SPACE			40
41			SPACE							SPACE			42

	A	B	C
PHASE TOTALS COL. #1	2660	4380	3760
PHASE TOTALS COL. #2	18320	17140	17320
PHASE TOTAL VA	20980	21520	21080

TOTAL 3 PHASE CONNECTED 63.58 KVA 176 AMPS

PANEL TA-3PP3 (INSTR LVL)

SUPPLY: [ ] - BOTT. [X] - TOP [ ] - LUGS [X] -MAIN BKR. [ ] - LTG. [X] - RECEPT. [ ] - NEMA 1
TYPE: [ ] - 3P3W [X] - 3P4W [X] - WITH GRD. BAR MOUNTING [X] -SURFACE [ ] - FLUSH [ ] -COLUMN
MAINS: 600 A 22,000 A.I.C. VOLTAGE: [X] -120 / 208 [ ] -277 / 480 [ ] /
600 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				25000			17200						2
3	400	3	PNL TA-3PP3A		25000			53		PANEL TA-3PP3B	3	225	4
5						25000			17200				6
7				8333			7000						8
9	225	3	PNL TA-3PP3C		8333			7000		PANEL TA-3PP3D	3	225	10
11						8333			7000				12
13													14
15	30	3	SPARE							SPARE	3	225	16
17													18
19	20	1	FCV-TA-01	100						SPARE	1	20	20
21	20	1	FCV-TA-02		100					SPARE	1	20	22
23	20	1	SPARE							SPARE	1	20	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	33433	33433	33333
PHASE TOTALS COL. #2	24200	7052.68	24200
PHASE TOTAL VA	57633	40485.7	57533

TOTAL 3 PHASE CONNECTED 156 KVA 432 AMPS

PANEL TA-3PP3A (INSTR LVL)-NORTH

SUPPLY: [ ] - BOTT. [X] - TOP [ ] - LUGS [X] -MAIN BKR. [ ] - LTG. [X] - RECEPT. [ ] - NEMA 1
TYPE: [ ] - 3P3W [X] - 3P4W [X] - WITH GRD. BAR MOUNTING [X] -SURFACE [ ] - FLUSH [ ] -COLUMN
MAINS: 225 A 22,000 A.I.C. VOLTAGE: [X] -120 / 208 [ ] -277 / 480 [ ] /
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	40	1	DETECTORS & COMP'T(FUT)	4000			2000			HIGH PRESSURE/TEMP LAB(FUT)	1	20	2
3	50	1	ELECTRONICS & STORAGE(FUT)		5000			500		Tgt-ICS:103CAB01(Com Rm)	1	20	4
5	50	1	OPTICS,ALIGNMENT OF EQPT.(fut)			5000				SPARE	1	20	6
7	50	1	POLARIZED 3He LAB(FUT)	5000			5000						8
9	50	1	POLARIZED 3He LAB(FUT)		5000			5000		SPARE	3	60	10
11	60	1	CHOPPER LAY-DOWN & Dev't LAB			5000			5000				12
13				5000									14
15	70	3P	DETECTORS & COMPONENTS		5000					SPARE	3	30	16
17			(FUT)			5000							18
19	20	1	REC-INSTR AREA TA-123	1080			360			DOUBLE DUPLX REC TA-103	1	20	20
21	20	1	REC INSTR -TA-127,128,126		1080			1080		REC INSTR AREA TA-102	1	20	22
23	20	1	REC-INSTR AREA -SOUTH			1080			1080	REC-TA-103,BLDG-11TU	1	20	24
25	20	1	REC-TA-103,11TU BLDG	1080			1080			DUPLEX REC LOBBY-TA-106	1	20	26
27	20	1	FLOOD LTG 11TU BLDG		1000			1080		DUPLEX REC H.P. RM.TA-107	1	20	28
29	20	1	HTR-UH-TA-04(N-Truck Bay)			100			1080	REC.MEZZ TA-201,203,204	1	20	30
31	20	1	REC-Break,Lobby,HP-Area	1080			1080			REC.MEZZ TA-205	1	20	32
33	20	1	SPARE					500		Tgt-ICS:203CAB01(TA-203)	1	20	34
35													36
37													38
39													40
41													42

	A	B	C
PHASE TOTALS COL. #1	17240	17080	16180
PHASE TOTALS COL. #2	9520	8160	7160
PHASE TOTAL VA	26760	25240	23340

TOTAL 3 PHASE CONNECTED 75 KVA 209 AMPS

PANEL TA-3PP3B (INSTR LVL)-SOUTH

SUPPLY: [ ] - BOTT. [X] - TOP [ ] - LUGS [X] -MAIN BKR. [ ] - LTG. [X] - RECEPT. [ ] - NEMA 1
TYPE: [ ] - 3P3W [X] - 3P4W [X] - WITH GRD. BAR MOUNTING [X] -SURFACE [ ] - FLUSH [ ] -COLUMN
MAINS: 225 A 22,000 A.I.C. VOLTAGE: [X] -120 / 208 [ ] -277 / 480 [ ] /
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	60	1	LOCAL MACHINE SHOP(FUT)	5000			5000			LARGE SAMPLE ENVIRO'T(FUT)	1	50	2
3	50	1	TARGET WET LAB(FUT)		5000			1000		MANIPULATOR TOOLING(FUT)	1	20	4
5	60	1	VAC EQUIP'S (FUT)			5000			1000	MANIPULATOR TOOLING(FUT)	1	20	6
7	20	1	DUPLEX REC BLDG-2TU	1080			1000			MANIPULATOR TOOLING(FUT)	1	20	8
9	40	1	WALL MTD MANIPULATOR(FUT)		3000			1000		MANIPULATOR TOOLING(FUT)	1	20	10
11	20	1	LTG QUAR-BLDG.2TU			1000			1000	MANIPULATOR TOOLING(FUT)	1	20	12
13	20	1	MANIPULATOR TOOLING(FUT)	1000			1000			MANIPULATOR TOOLING(FUT)	1	20	14
15	20	1	DOUBLE DUPLEX REC-TA-127		360			5000		INSTR STAGING ASSEMB AREA(FUT)	1	20	16
17	20	1	DUPLEX REC BLDG-2TU			1080			5000	ACTIVE SAMPLE LAB.(FUT)	1	50	18
19	20	1	REC INSTR LEV TA-123,	1080			1080			REC TRUCK AREA TA-125	1	20	20
21	20	1	REC.LEV TA-123,126,127		1080			500		TGt-ICS:127CAB01(TA-127)	1	20	22
23	20	1	REC INSTR LEV TA-123,126			1080			500	Tgt-ICS:219CAB01(TA-219)	1	20	24
25	20	1	HTR-UH-TA-05(S-Truck Bay)	100			1080			REC.Mezz Lev.TA-218,219,220	1	20	26
27	20	1	REC INSTR LEV TA-123,		1080			1080		REC.MEZZ LEV TA-221,222	1	20	28
29	20	1	CF_TA - ENCL05			600			500	TGt-ICS:127CAB02(TA-127)	1	20	30
31													32
33													34
35													36
37													38
39													40
41													42

	A	B	C
PHASE TOTALS COL. #1	8260	10520	8760
PHASE TOTALS COL. #2	9160	8580	8000
PHASE TOTAL VA	17420	19100	16760

TOTAL 3 PHASE CONNECTED 53 KVA 148 AMPS

PANEL TA-3PP3C INSTR. LVL.(NORTH)

SUPPLY: [ ] - BOTT. [X] - TOP [ ] - LUGS [X] -MAIN BKR. [ ] - LTG. [X] - RECEPT. [ ] - NEMA 1
TYPE: [ ] - 3P3W [X] - 3P4W [X] - WITH GRD. BAR MOUNTING [X] -SURFACE [ ] - FLUSH [ ] -COLUMN
MAINS: 225 A 22,000 A.I.C. VOLTAGE: [X] -120 / 208 [ ] -277 / 480 [ ] /
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	20	1	REC-INSTR ASSEMBY(FUT)	1080			1080			REC-SWGR RM-1SG1 AREA(FUT)	1	20	2
3	20	1	MANIPULATOR GALLERY(FUT)		1080			1080		REC-MOCKUP TEST AREA(FUT)	1	20	4
5	20	1	MANIPULATOR GALLERY(FUT)			1080			1080	REC-HI PRES/TEMP LAB.(FUT)	1	20	6
7	20	1	SPARE							SPARE	1	20	8
9	20	1	SPARE					1080		MAGNET AREA(FUT)	1	20	10
11	20	1	SPARE						1080	MAGNET AREA(FUT)	1	20	12
13	20	1	SPARE							SPARE	1	20	14
15	20	1	REC LAB & WORK AREA TA-108		1080			1080		REC-MOCKUP TEST AREA(FUT)	1	20	16
17	20	1	REC LAB & WORK AREA TA-108			1080			500	Tgt-ICS:102CAB01(Hot Cell)	1	20	18
19													20
21	20	3	SPARE							SPARE	3	20	22
23													24
25													26
27	20	3	SPARE							SPARE	3	30	28
29													30
31	20	1	HELIUM CAB 5005	1000			1000			CAB 5002	1	20	32
33	20	1	TPS:CAB 85504A		1000			1000		CAB 5005	1	20	34
35	20	1	TPS:CAB 85504B			1000			1000	CAB 5004	1	20	36
37	20	1	SPARE				1000			CTL-CAB 8530	1	20	38
39	20	1	SPARE					1000		H.G. CAB 5001	1	20	40
41			SPACE							SPACE	1	20	42

	A	B	C
PHASE TOTALS COL. #1	2080	3160	3160
PHASE TOTALS COL. #2	3080	5240	3660
PHASE TOTAL VA	5160	8400	6820

TOTAL 3 PHASE CONNECTED 20 KVA 57 AMPS

PANEL TA-3PP3D INSTR. LVL. (SOUTH)

SUPPLY: [ ] - BOTT. [X] - TOP [ ] - LUGS [X] -MAIN BKR. [ ] - LTG. [X] - RECEPT. [ ] - NEMA 1
TYPE: [ ] - 3P3W [X] - 3P4W [X] - WITH GRD. BAR MOUNTING [X] -SURFACE [ ] - FLUSH [ ] -COLUMN
MAINS: 225 A 22,000 A.I.C. VOLTAGE: [X] -120 / 208 [ ] -277 / 480 [ ] /
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	20	1	REC INSTR. LVL TA-124	1080			1080			REC INSTR. LVL.TA-124	1	20	2
3	20	1	SPARE		0			5000		HI.PRES /TEMP LAB.(FUT)	1	20	4
5	20	1	REC TRUCK BAY TA-125			1080			1080	REC.FORK LIFT-TA-121	1	20	6
7	20	1	SPARE	0						SPARE	1	20	8
9	20	1	REC INSTR. ASSEMBLY(FUT)		1000			1080		REC.OVER LOOK TA-217	1	20	10
11	20	1	SPARE			0			1080	REC- TA-116,117,118,120	1	20	12
13	20	1	DUPLX REC-TA-116,117,118 120	1080						SPARE	1	20	14
15	20	1	2TU ENCLOSURE-RECEPT.		720			1080		REC MOCKUP TEST (FUT)	1	20	16
17	20	1	2TU ENCLOSURE-RECEPT.			720			500	Tgt-ICS:123CAB01-(Instr Floor)	1	20	18
19				0			0						20
21	20	3	SPARE		0			0		SPARE	3	20	22
23						0			0				24
25	30	2	SPARE	0			0			SPARE	1	20	26
27					0			500		Cryogenic CAB 3	1	20	28
29	30	2	SPARE			0			0	SPARE	1	20	30
31				0			0			SPARE	1	20	32
33	20	1	SPARE					1000		Cryogenic Instr Cab (PLC I/O)	1	20	34
35	20	1	SPARE						0	SPARE	1	20	36
37			SPACE							SPACE			38
39													40
41													42

	A	B	C
PHASE TOTALS COL. #1	2160	1720	1800
PHASE TOTALS COL. #2	1080	8660	2660
PHASE TOTAL VA	3240	10380	4460

TOTAL 3 PHASE CONNECTED 18 KVA 50 AMPS

PANEL TA-3PP4A (MANPULATOR GALLERY)

SUPPLY: [ ] - BOTT. [X] - TOP [ ] - LUGS [X] -MAIN BKR. [ ] - LTG. [X] - RECEPT. [ ] - NEMA
TYPE: [ ] - 3P3W [X] - 3P4W [X] - WITH GRD. BAR MOUNTING [X] -SURFACE [ ] - FLUSH [ ] -COLUMN
MAINS: 400 A 22,000 A.I.C. VOLTAGE: [X] -120 / 208 [ ] -277 / 480 [ ] /
350 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			BY HOT CELL CONTRACTOR							BY HOT CELL CONTRACTOR			2
3			MERRICK DWG.J1.15.30							MERRICK DWG.J1.15.30			4
5													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	0	0	0
PHASE TOTALS COL. #2	0	0	0
PHASE TOTAL VA	0	0	0

TOTAL 3 PHASE CONNECTED 0 KVA 0 AMPS

PANEL TA-3PP4B (SERVICE GALLERY)

SUPPLY: [ ] - BOTT. [X] - TOP [ ] - LUGS [X] -MAIN BKR. [ ] - LTG. [X] - RECEPT. [ ] - NEMA
TYPE: [ ] - 3P3W [ ] - 3P4W [X] - WITH GRD. BAR MOUNTING [X] -SURFACE [ ] - FLUSH [ ] -COLUMN
MAINS: 400 A 22,000 A.I.C. VOLTAGE: [X] -120 / 208 [ ] -277 / 480 [ ] /
350 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			BY HOT CELL CONTRACTOR							BY HOT CELL CONTRACTOR			2
3			MERRICK DWG.J1.15.30							MERRICK DWG.J1.15.30			4
5													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	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

TA-3PP1	TA-3PP2	TA-3PP3
TA-3PP3A	TA-3PP3B	TA-3PP3C
TA-3PP3D	TA-3PP4A	TA-3PP4B

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

REVISION OR ISSUE PURPOSE / REVISION APPROVALS / SQUAD CHECK

RPE (seal: VICTOR G. STEFFEN, REGISTERED ENGINEER, No. 0106009, STATE OF TENNESSEE) (signature) 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	RA Dean	11/14/01
REQ		
UTB	(signature)	11/14/01

0 REV. 11-13-01 DATE — DRAWING APPROVALS

108030700-E8E-8700-A190

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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

TARGET BUILDING
PANEL SCHEDULES
SHEET 4

1	48	49	50	PLANT	BLDG	FL	SH.	OF	TYPE	CLASS
3	E	X	X	8	8700		1	1	S	U
51	52	53	WBS							REV
NC	NA		1.8.3.7	E9.21.33						0

Date: 11/13/2001 Time: 11:20:50
Username: MAKOVSKYL
KGSFO_VOL2:PROJECTS\7000\700_CADD\TASK_5A\740_PLOT\E9-21-33.DWG