GENERAL NOTES:

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

PANEL TA-1UP1

SUPPLY: [ ] - BOTT. [X] - TOP [ ] - LUGS [X] -MAIN BKR. — [ ] - LTG. [X] - RECEPT. [ ] - ____ NEMA 1
TYPE: [ ] - 3P3W [X] - 3P4W [X] - WITH GRD. BAR — PANEL TA-1UP1 MEZZ LVL.(NORTH) — MOUNTING [X] -SURFACE [ ] - FLUSH [ ] -COLUMN
MAINS: 100 A 22,000 A.I.C. — VOLTAGE: [X] -120 / 208 [ ] -277 / 480 [ ] /
50 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			PUMP OR FURNACE BACKUP	3000			120			EXPERIMENTER'S LOAD	1	20	2
3	30	3	BEAM LINE 2TU		3000			120		EXPERIMENTER'S LOAD	1	20	4
5			208V,30A,SINGLE REC TWISLK			3000			120	EXPERIMENTER'S LOAD	1	20	6
7	20	1	EXPERIMENTER'S LOAD	120			120			EXPERIMENTER'S LOAD	1	20	8
9	20	1	EXPERIMENTER'S LOAD		120			120		EXPERIMENTER'S LOAD	1	20	10
11	20	1	EXPERIMENTER'S LOAD			120			120	EXPERIMENTER'S LOAD	1	20	12
13	20	1	EXPERIMENTER'S LOAD	120			120			EXPERIMENTER'S LOAD	1	20	14
15	20	1	EXPERIMENTER'S LOAD		120			120		EXPERIMENTER'S LOAD	1	20	16
17	20	1	EXPERIMENTER'S LOAD			120			120	EXPERIMENTER'S LOAD	1	20	18
19	20	1	EXPERIMENTER'S LOAD	120			120			EXPERIMENTER'S LOAD	1	20	20
21	20	1	EXPERIMENTER'S LOAD		120			120		EXPERIMENTER'S LOAD	1	20	22
23	20	1	EXPERIMENTER'S LOAD			120			120	EXPERIMENTER'S LOAD	1	20	24
25	20	1	EXPERIMENTER'S LOAD	120			120			EXPERIMENTER'S LOAD	1	20	26
27	20	1	EXPERIMENTER'S LOAD		120			120		EXPERIMENTER'S LOAD	1	20	28
29			SPACE							SPACE			30
31													32
33													34
35													36
37													38
39													40
41													42

	A	B	C
PHASE TOTALS COL. #1	3480	3480	3360
PHASE TOTALS COL. #2	600	600	480
PHASE TOTAL VA	4080	4080	3840

TOTAL 3 PHASE CONNECTED 12 KVA 33 AMPS

PANEL TA-1UP2

SUPPLY: [ ] - BOTT. [X] - TOP [ ] - LUGS [X] -MAIN BKR. — [ ] - LTG. [X] - RECEPT. [ ] - ____ NEMA 1
TYPE: [ ] - 3P3W [X] - 3P4W [X] - WITH GRD. BAR — PANEL TA-1UP2 MEZZ LVL. (SOUTH) — MOUNTING [X] -SURFACE [ ] - FLUSH [ ] -COLUMN
MAINS: 100 A 22,000 A.I.C. — VOLTAGE: [X] -120 / 208 [ ] -277 / 480 [ ] /
50 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			PUMP OR FURNACE BACKUP	300			300			PUMP OR FURNACE BACKUP			2
3	30	3	BEAM LINE 14A BD		300			300		BEAM LINE 1A TU	3	30	4
5			208V,30A,SINGLE REC TWISLK			300			300	208V,30A,SINGLE REC TWISLK			6
7			PUMP OR FURNACE BACKUP	300			300			PUMP OR FURNACE BACKUP			8
9	30	3	BEAM LINE 14B BD		300			300		BEAM LINE 1B TU	3	30	10
11			208V,30A,SINGLE REC TWISLK			300			300	208V,30A,SINGLE REC TWISLK			12
13			PUMP OR FURNACE BACKUP	300			300			PUMP OR FURNACE BACKUP			14
15	30	3	BEAM LINE 15 BD		300			300		BEAM LINE 3 TU	3	30	16
17			208V,30A,SINGLE REC TWISLK			300			300	208V,30A,SINGLE REC TWISLK			18
19			PUMP OR FURNACE BACKUP	300			300			PUMP OR FURNACE BACKUP			20
21	30	3	BEAM LINE 16A BU		300			300		BEAM LINE 5 TD	3	30	22
23			208V,30A,SINGLE REC TWISLK			300			300	208V,30A,SINGLE REC TWISLK			24
25			PUMP OR FURNACE BACKUP	300			300			PUMP OR FURNACE BACKUP			26
27	30	3	BEAM LINE 16B BU		300			300		BEAM LINE 7 BU	3	30	28
29			208V,30A,SINGLE REC TWISLK			300			300	208V,30A,SINGLE REC TWISLK			30
31			PUMP OR FURNACE BACKUP	300			300			PUMP OR FURNACE BACKUP			32
33	30	3	BEAM LINE 17 BU		300			300		BEAM LINE 9 BU	3	30	34
35			208V,30A,SINGLE REC TWISLK			300			300	208V,30A,SINGLE REC TWISLK			36
37													38
39	30	3	SPARE							SPARE	3	30	40
41													42

	A	B	C
PHASE TOTALS COL. #1	1800	1800	1800
PHASE TOTALS COL. #2	1800	1800	1800
PHASE TOTAL VA	3600	3600	3600

TOTAL 3 PHASE CONNECTED 11 KVA 30 AMPS

PANEL TA-3UP1

SUPPLY: [ ] - BOTT. [X] - TOP [ ] - LUGS [X] -MAIN BKR. — [ ] - LTG. [ ] - RECEPT. [ ] - ____ NEMA 1
TYPE: [ ] - 3P3W [X] - 3P4W [X] - WITH GRD. BAR — PANEL TA-3UP1 (BASEMENT) — 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	RADI DEV. TA-RDB1-01	500			500			RADI. DEV. TA-RDB1-02	1	20	2
3	20	1	RADI DEV. TA-RDB1-03		500			500		RADI. DEV. TA-RDB1-04	1	20	4
5	20	1	RADI DEV. TA-RDB1-05			500			1000	Tgt-CTL CAB8730	1	20	6
7	20	1	EMERG EXIT-TA-DXB1-01	1000			600			CF_TA-ENCL 02	1	20	8
9	20	1	CF_TA-ENCL 04		600			600		CF_TA-ENCL 03	1	20	10
11	20	1	HOT CELL AREA (P-11E/W)			910			500	HOT CELL AREA (AS REQ,D)	1	20	12
13	20	1	H.P. OFFICE -MEZZ LEV 1	500			500			H.P. OFFICE (TA-B125)	1	20	14
15	20	1	RADI DEV.TA-DEB1-01		1000					SPARE	1	20	16
17	20	1	Tgt-CTL CAB8610			1500				SPARE	1	20	18
19	20	1	SPARE				750			Tgt-CTL CAB8500	1	20	20
21	20	1	Tgt-CTL CAB8602		1500			1000		Tgt-CTL CAB8600	1	20	22
23	20	1	Tgt_NFSS:CAB8920B			1500			1500	Tgt_NFSS:CAB8920A	1	20	24
25			UPS-SUB FEEDER PNL	5833			4000			UPS-SUB FEEDER PNL			26
27	100	3	TA-3UP1A		5833			6000		TA-3UP1B	3	100	28
29			INSTR LEV. 01.NORTH			5833			3500	INSTR LEV.01 SOUTH			30
31	20	1	TgT-ICS B110CAB02	1000			8400			UPS-SUB FEEDER PNL			32
33	20	1	CF_TA-ENCL 01		600			7300		TA-3UP1C	3	100	34
35	20	1	SPARE						9300	HIGH BAY			36
37			UPS SUB PNL	1600			600			CF_TA:YC8701	1	20	38
39	50	3	TA-3UP1D		1000			1000		TGT_CTL:OP8601	1	20	40
41			INST. LVL			500			1000	TGT_CTL:OP8602	1	20	42

	A	B	C
PHASE TOTALS COL. #1	10433	11033	10743
PHASE TOTALS COL. #2	15350	16400	16800
PHASE TOTAL VA	25783	27433	27543

TOTAL 3 PHASE CONNECTED 81 KVA 224 AMPS

PANEL TA-3UP1A

SUPPLY: [ ] - BOTT. [X] - TOP [ ] - LUGS [X] -MAIN BKR. — [ ] - LTG. [ ] - RECEPT. [ ] - ____ NEMA 1
TYPE: [ ] - 3P3W [X] - 3P4W [X] - WITH GRD. BAR — PANEL TA-3UP1A (INSTRUMENT LEVEL NORTH) — MOUNTING [X] -SURFACE [ ] - FLUSH [ ] -COLUMN
MAINS: 100 A 22,000 A.I.C. — VOLTAGE: [X] -120 / 208 [ ] -277 / 480 [ ] /
FEEDER: TA-3UP1 — 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	SPARE				1000			HELIUM CAB#5005(HB)	1	20	2
3	20	1	SPARE					1000		RADI DEV.TA-li-14BBD	1	20	4
5	20	1	SHUTTER DOOR TA-DE03-01			1000			500	RADI DEV.TA-li-15BD	1	20	6
7	20	1	SPARE				1000			RADI DEV.TA-li-16ABD	1	20	8
9	20	1	RADI DEV.TA-li-10TU		1000			1000		RADI DEV.TA-li-16BBD	1	20	10
11	20	1	RADI DEV.TA-li-11ATU			1000			1000	RADI DEV.TA-li-17BU	1	20	12
13	20	1	RADI DEV.TA-li-11BTU	1000			1000			RADI DEV.TA-li-18BU	1	20	14
15	20	1	RADI DEV.TA-li-12TU		1000			1500		TGT-CTL:CAB8530-Rem I/O	1	20	16
17	20	1	RADI DEV.TA-li-3BD			1000				SPARE	1	20	18
19	20	1	RADI DEV.TA-li-14ABD	1000			1000			TPS-CAB5504A	1	20	20
21	20	1	TGT_ICS:103CAB02		600			1000		TPS-CAB5504B	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													30
31													32
33													34
35													36
37													38
39													40
41													42

	A	B	C
PHASE TOTALS COL. #1	2000	2600	3000
PHASE TOTALS COL. #2	4000	4500	1500
PHASE TOTAL VA	6000	7100	4500

TOTAL 3 PHASE CONNECTED 18 KVA 49 AMPS

NOTE: INSTRUMENT PPS INTERLOCK SYSTEM, UPS POWER SHALL BE PROVIDED AT EACH INSTRUMENT (1000W) WILL PROVIDE CONDUIT TO INTERCONNECT PPS DEVICES INSTALLED AT EACH INSTRUMENT, PPS SAFETY CABLING CAN BE RUN IN SHARED WITH TRAY-PPS/COM TRAY,CABLES AND CONDUITS DROP BY OTHER'S.

PANEL TA-3UP1B

SUPPLY: [ ] - BOTT. [X] - TOP [ ] - LUGS [X] -MAIN BKR. — [ ] - LTG. [ ] - RECEPT. [ ] - ____ NEMA 1
TYPE: [ ] - 3P3W [X] - 3P4W [X] - WITH GRD. BAR — PANEL TA-3UP1B (INSTRUMENT LEVEL SOUTH) — MOUNTING [X] -SURFACE [ ] - FLUSH [ ] -COLUMN
MAINS: 100 A 22,000 A.I.C. — VOLTAGE: [X] -120 / 208 [ ] -277 / 480 [ ] /
FEEDER : TA3UP1 — 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	SPARE							SPARE	1	20	2
3	20	1	CF_TA-ENCL 05		600			1500		INTERLOCK PNL-TA-IC01-01	1	20	4
5	20	1	SPARE							SPARE	1	20	6
7	20	1	SPARE							SPARE	1	20	8
9	20	1	RADI DEV.TA-li-9BU		1000			1000		RADI DEV.TA-li-4BTD	1	20	10
11	20	1	RADI DEV.TA-li-8BBU			1000			500	RADI DEV.TA-li-4ATD	1	20	12
13	20	1	RADI DEV.TA-li-8ABU	1000			1000			RADI DEV.TA-li-3TU	1	20	14
15	20	1	RADI DEV.TA-li-7ABU		1000			1000		RADI DEV.TA-li-2TU	1	20	16
17	20	1	RADI DEV.TA-li-6TD			1000			1000	RADI DEV.TA-li-1BTU	1	20	18
19	20	1	RADI DEV.TA-li-5TD	1000			1000			RADI DEV.TA-li-1ATU	1	20	20
21	20	1	RADE DEV-TA-RD03-01		500					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													30
31													32
33													34
35													36
37													38
39													40
41													42

	A	B	C
PHASE TOTALS COL. #1	2000	3100	2000
PHASE TOTALS COL. #2	2000	3500	1500
PHASE TOTAL VA	4000	6600	3500

TOTAL 3 PHASE CONNECTED 14 KVA 39 AMPS

NOTE: INSTRUMENT PPS INTERLOCK SYSTEM, UPS POWER SHALL BE PROVIDED AT EACH INSTRUMENT (1000W) WILL PROVIDE CONDUIT TO INTERCONNECT PPS DEVICES INSTALLED AT EACH INSTRUMENT, PPS SAFETY CABLING CAN BE RUN IN SHARED WITH TRAY-PPS/COM TRAY,CABLES AND CONDUITS DROP BY OTHER'S.

PANEL TA-3UP1C

SUPPLY: [ ] - BOTT. [X] - TOP [ ] - LUGS [X] -MAIN BKR. — [ ] - LTG. [ ] - RECEPT. [ ] - ____ NEMA 1
TYPE: [ ] - 3P3W [X] - 3P4W [X] - WITH GRD. BAR — PANEL TA-3UP1C HIGH BAY — MOUNTING [X] -SURFACE [ ] - FLUSH [ ] -COLUMN
MAINS: 100 A 22,000 A.I.C. — VOLTAGE: [X] -120 / 208 [ ] -277 / 480 [ ] /
FEEDER: TA-3UP1 — 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	VACP-1523A	600			3300			H2 CIRCULLATOR #3 - 2.7KW	1	35	2
3	20	1	COLD BOX CONT CAB		500			600		CF_TA-ENCL07	1	20	4
5	20	1	TgT-CAB 8672 (HIGH BAY)			1500			1500	TgT-CAB 8630 (HIGH BAY)	1	20	6
7	20	1	H2-INSTR PLC I/O-CAB	500			600			CF_TA-ENCL06	1	20	8
9	35	1	H2 CIRCULLATOR #1 - 2.7KW		3300			1500		TgT-CAB 8700 (HIGH BAY)	1	20	10
11	35	1	H2 CIRCULLATOR #2 - 2.7KW			3300				SPARE	1	20	12
13	20	1	SPARE				1500			TgT-CAB 8701 (HIGH BAY)	1	20	14
15	20	1	SPARE							SPARE	1	20	16
17	20	1	SPARE						500	RAD, DEV TA-R003.01	1	20	18
19				2500									20
21	60	3	TA-EF-14		2500					TA-EF-15	3	60	22
23						2500				(STAND BY)			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	3600	6300	7300
PHASE TOTALS COL. #2	5400	2100	2000
PHASE TOTAL VA	9000	8400	9300

TOTAL 3 PHASE CONNECTED 27 KVA 74 AMPS

PANEL TA-3PP3E

[ ] - BOTT. [ ] - TOP [ ] - LUGS [ ] -MAIN BKR. — [ ] - LTG. [ ] - RECEPT. [ ] - ____ NEMA
TYPE: [ ] - 3P3W [ ] - 3P4W [ ] - WITH GRD. BAR — PANEL TA-3PP3E (HIGH BAY) — MOUNTING [ ] -SURFACE [ ] - FLUSH [ ] -COLUMN
MAINS: 100 A ____ A.I.C. — VOLTAGE: [ ] -120 / 208 [ ] -277 / 480 [ ] /
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	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													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 - 3PP3E IS PROVIDED FOR PORTABLE MANIPULATORS. BRANCH CIRCUIT WIRING BY OTHERS. MAXIMUM LOAD ON THE PANEL NOT TO EXCEED 30 KVA.

PANEL TA-3PP6A

SUPPLY: [ ] - BOTT. [X] - TOP [ ] - LUGS [X] -MAIN BKR. — [ ] - LTG. [X] - RECEPT. [ ] - ____ NEMA 1
TYPE: [ ] - 3P3W [X] - 3P4W [X] - WITH GRD. BAR — PANEL TA-3PP6A OUTSIDE H2 UTILITY RM — MOUNTING [X] -SURFACE [ ] - FLUSH [ ] -COLUMN
MAINS: 225 A 22,000 A.I.C. — VOLTAGE: [X] -120 / 208 [ ] -277 / 480 [ ] /
225 A. MAIN KR. 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	Roughing Pp-0.56kw(Vac modul)	700			600			CF_TA-ENCL06	1	20	2
3	20	1	REC-SHINE Shield TA-302		1080			700		Roughing Pump-0.56Kw (Purge Module)	1	20	4
5	20	1	LEVEL 5 SOUTH WALKWAY			800				SPARE	1	20	6
7	20	1	LEVEL 5 SOUTH WALKWAY	800			200			RGA @0.2kw (Vac mod)-01	1	20	8
9	20	1	Turbomolecular pump-01		300			600		INSTR CONT-(PLC/I/O)	1	20	10
11	20	1	REC-H2 UTILITY RM (TA-411)			1080				SPARE	1	20	12
13	20	1	Hg COLD BOX EQUIP.	600			1080			REC-MECH EQUIPT.(TA-410)	1	20	14
15	20	1	REC-WALKWAY (TA-403)		1080			1080		REC-Hg MAINT.(TA-413)	1	20	16
17	20	1	REC-WALKWAY (TA-403)			1080			1080	REC-WALKWAY (TA-409)	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			H2 UTILITY RM	2500			833			H2 UTILITY RM			26
27	30	3	H2 xfr HIGH Pressure		2500			833		H2 xfr Low Pressure	3	30	28
29			5.6kw(7.5 HP) 208V,3ph			2500			833	0.9kw,208V,3ph			30
31			Control Htr @ 6.5 KW	2500			5140						32
33	30	3	(Helium Transfer Module)		2500			6080		PNL 3PP6B	3	20	34
35			COLD BOX			2500			3600				36
37			SPACE							SPACE			38
39			SPACE							SPACE			40
41			SPACE							SPACE			42

	A	B	C
PHASE TOTALS COL. #1	7100	7460	7960
PHASE TOTALS COL. #2	7853	9293	5513
PHASE TOTAL VA	14953	16753	13473

TOTAL 3 PHASE CONNECTED 45 KVA 125 AMPS

PANEL TA-3UP1D

[ ] - BOTT. [ ] - TOP [ ] - LUGS [X] -MAIN BKR. — [ ] - LTG. [ ] - RECEPT. [ ] - ____ NEMA
TYPE: [ ] - 3P3W [ ] - 3P4W [X] - WITH GRD. BAR — PANEL TA-3UP1D (INSTR. LVL SERV GALLERY N. WALL) — MOUNTING [X] -SURFACE [ ] - FLUSH [ ] -COLUMN
MAINS: 100 A 22000 A.I.C. — VOLTAGE: [X] -120 / 208 [ ] -277 / 480 [ ] /
50 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	RAD DEV TA-R001-01	500			500			RAD DEV TA-R001-04	1	20	2
3	20	1	RAD DEV TA-R001-02		500			500		RAD DEV TA-R001-05	1	20	4
5	20	1	RAD DEV TA-R001-03			500							6
7													8
9	20	1	VACP-1522B	600									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	1100	500	500
PHASE TOTALS COL. #2	500	500	0
PHASE TOTAL VA	1600	1000	500

TOTAL 3 PHASE CONNECTED 3 KVA 9 AMPS

KEY SCHEDULE

TA-1UP1	TA-1UP2	TA-3UP1
TA-3UP1A	TA-3UP1B	TA-3UP1C
TA-3PP3E	TA-3PP6A	TA-3UP1D

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

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

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 [signature] 11/14/01
REQ
UTB [signature] 11/14/01

108030700-E8E-8700-A193

Knight/Jacobs — Knight/Jacobs Joint Venture, 701 Scarboro Road, MS 8253, Oak Ridge, TN 37830, 865-241-9433, fax 865-241-3400 — SNS

KNIGHT — Knight Advanced Technology, 549 West Randolph Street, Chicago, IL 60661

UT-BATTELLE — 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 7

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	DWG	REV
NC	NA		1.8.3.7	E9.21.36	0

AutoCAD

Date: 11/13/2001 Time: 11:04:15 Username: PACHECOL KGSFO_VOL2:PROJECTS\7000\700_CADD\TASK_5A\740_PLOT\E9-21-36.DWG