

"A" ARM END STATION

PANEL EA DP_02		LOCATION ROOM 203		VOLTS 480Y/277V												
FED FROM	CKT #	MOUNTING Recessed		MAIN Main Lugs												
DP_01	20	PHASE 3	WIRE 4	FEEDER 4*350KCMIL	BUS 225A											
CKT	LOAD SERVED	SLOT	POLES	WIRE SIZE	BKR	VOLT AMPS	PHASE LOAD (VA)			VOLT AMPS	BKR	WIRE SIZE	POLES	SLOT	LOAD SERVED	CKT
1	HEATER HC-01	1	3		20	6000	A	B	C	9000	20		3	2	HEATER HC-07	2
7	HEATER HC-08	7	3		20	9000				6000	20		3	8	HEATER HC-05	8
13	HEATER HC-06	13	3		20	6000				6000	20		3	14	HEATER HC-02	14
19	HEATER HC-04	19	3		20	6000				20	20		3	20	SPARE	20
25	LIGHTS ROOM 202	25	1		20	1800							1	26	SPARE	26
27	OUTSIDE LTG.	27	1		20	550				180	20		1	28	EMERG BATT PACKS	28
29	LIGHTS ROOM 203,209	29	1		20	1540				4230			1	30	LIGHTS ROOM 204,205	30
31	LIGHTS ROOM 208	31	1		20	188				919	20		1	32	LIGHTS ROOM 206,207,209	32
33	ROLLUP DOORS	33	3		20	4489					20		1	34	SPARE	34
35		35									20		1	36	SPARE	36
37		37								6319	20		1	38	SUPPLY CRANE MOTOR	38
39	SPARE	39	1		20						20		1	40		
41	SPARE	41	1		20						20		1	42		
TOTAL							21509	20374	25372							
TOTAL CONNECTED LOAD (VA)							67255									
(AMPS)							80.9									

NOTE 5 ON DWG LA-E-008.

"A" ARM END STATION

PANEL EA RP_01		LOCATION ROOM 203		VOLTS 208Y/120V												
FED FROM	CKT #	MOUNTING Surface Mount		MAIN 100A												
DP_01	19	PHASE 3	WIRE 4	FEEDER 4*2/0 & 1*4	BUS 100A											
CKT	LOAD SERVED	SLOT	POLES	WIRE SIZE	BKR	VOLT AMPS	PHASE LOAD (VA)			VOLT AMPS	BKR	WIRE SIZE	POLES	SLOT	LOAD SERVED	CKT
1	RCPT ROOM 202	1	1		20	1080	A	B	C	900	20		1	2	RCPT ROOM 202	2
3	SPARE	3	2		30					900	20		1	4	RCPT ROOM 203,204,205	4
5		5								1080	20		1	6	RCPT ROOM 206,207,208	6
7	RCPT ROOM 206,207,208	7	1		20	900				240	20		1	8	FIRE ALARM	8
9	RCPT ROOM 203,204,205	9	1		20	720					20		1	10	SPARE	10
11	RCPT ROOM 203	11	1		20	720				540	20		1	12	RCPT ROOM 203	12
13	INCANDESCENT LTS	13	1		20	300					20		1	14	SPARE	14
15	INCANDESCENT LTS	15	1		20	400					20		1	16	EXIT LIGHTS	16
17	SPARE	17	1		20	180					20		1	18	SPARE	18
19	TRAP PRIMER	19	1		20	180					20		1	20	CONTROL POWER *	20
21	SPARE	21	1		20						20		1	22	CONTROL POWER *	22
23	GLYCOL FEEDS *	23	1		20						20		1	24	CONTROL POWER *	24
TOTAL							3600	2020	2520							
TOTAL CONNECTED LOAD (VA)							8140									
(AMPS)							22.1									

* BY OTHERS

PANEL VEAC_02B		LOCATION ROOM 202		VOLTS 480Y/277V												
FED FROM	CKT #	MOUNTING Recessed		MAIN 100A												
DP_01	31	PHASE 3	WIRE 4	FEEDER 4*1 & 1*6	BUS 125A											
CKT	LOAD SERVED	SLOT	POLES	WIRE SIZE	BKR	VOLT AMPS	PHASE LOAD (VA)			VOLT AMPS	BKR	WIRE SIZE	POLES	SLOT	LOAD SERVED	CKT
1	HEATING BLANKET CART	1	3		40	27000	A	B	C	20000	30		3	2	CRYOPUMP REGENERATOR	2
3		3												4		
5		5												6		
7	MAIN TURBO PUMP 1	7	1		20	400					30		3	8	SPARE	8
9	SPARE	9	1		20									10		
11	SPARE	11	1		20									12		
TOTAL							16067	15667	15667							
TOTAL CONNECTED LOAD (VA)							47401									
(AMPS)							57									

PANEL VEAC_01B		LOCATION ROOM 203		VOLTS 480Y/277V												
FED FROM	CKT #	MOUNTING Recessed		MAIN 200A												
DP_01	26	PHASE 3	WIRE 4	FEEDER 4*300KCMIL	BUS 225A											
CKT	LOAD SERVED	SLOT	POLES	WIRE SIZE	BKR	VOLT AMPS	PHASE LOAD (VA)			VOLT AMPS	BKR	WIRE SIZE	POLES	SLOT	LOAD SERVED	CKT
1	HEATING BLANKET CART	1	3		40	27000	A	B	C	20000	30		3	2	CRYOPUMP REGENERATOR	2
3		3												4		
5		5												6		
7	MAIN TURBO PUMP	7	1		20	400								8	SPARE	8
9	SPARE	9												10	SPARE	10
11	SPARE	11												12	SPARE	12
13	SPARE	13												14	SPARE	14
15	SPARE	15	3		20						20		3	16	SPARE	16
17		17												18		
19		19												20		
21	SPARE	21												22	SPARE	22
23	SPARE	23												24	SPARE	24
25	SPARE	25											1	26	SPARE	26
27	SPARE	27											1	28	SPARE	28
29	SPARE	29											1	30	SPARE	30
TOTAL							19667	15667	15667							
TOTAL CONNECTED LOAD (VA)							51001									
(AMPS)							61.5									

NOTE:
1. PANELS DP_01, DP_02, VEAC_01B AND VEAC_02B ARE TYPICAL FOR END STATIONS A AND B.

PANEL EB DP_02		LOCATION ROOM 203		VOLTS 480Y/277V												
FED FROM	CKT #	MOUNTING Recessed		MAIN Main Lugs												
DP_01	20	PHASE 3	WIRE 4	FEEDER 4*350KCMIL	BUS 225A											
CKT	LOAD SERVED	SLOT	POLES	WIRE SIZE	BKR	VOLT AMPS	PHASE LOAD (VA)			VOLT AMPS	BKR	WIRE SIZE	POLES	SLOT	LOAD SERVED	CKT
1	HEATER HC-05	1	3		20	6000	A	B	C	6319	20		3	2	CR-01	2
3		3												4		
5		5												6		
7	HEATER HC-07	7	3		20	9000				6000	20		3	8	HEATER HC-06	8
9		9												10		
11		11												12		
13	HEATER HC-08	13	3		20	9000				6000	20		3	14	HEATER HC-01	14
15		15												16		
17		17												18		
19	HEATER HC-04	19	3		20	6000				6000	20		3	20	HEATER HC-02	20
21		21												22	SPARE	22
23		23												24	SPARE	24
25	LIGHTS ROOM 202	25	1		20	1800							1	26	SPARE	26
27	OUTSIDE LTG.	27	1		20	550				180	20		1	28	EMERG BATT PACKS	28
29	LIGHTS ROOM 203,209	29	1		20	1540				4230			1	30	LIGHTS ROOM 204,205	30
31	LIGHTS ROOM 208	31	1		20	188				919	20		1	32	LIGHTS ROOM 206,207,209	32
33	ROLLUP DOORS	33	3		20	4489					20		1	34	SPARE	34
35		35									20		1	36	SPARE	36
37		37								6319	20		1	38	SUPPLY CRANE MOTOR	38
39	SPARE	39	1		20						20		1	40		
41	SPARE	41	1		20						20		1	42		
TOTAL							21509	20374	25372							
TOTAL CONNECTED LOAD (VA)							67255									
(AMPS)							80.9									

NOTE 5 ON DWG LA-E-008.

PANEL EB RP_01		LOCATION ROOM 203		VOLTS 208Y/120V												
FED FROM	CKT #	MOUNTING Surface Mount		MAIN 100A												
DP_01	19	PHASE 3	WIRE 4	FEEDER 4*2/0 & 1*4	BUS 100A											
CKT	LOAD SERVED	SLOT	POLES	WIRE SIZE	BKR	VOLT AMPS	PHASE LOAD (VA)			VOLT AMPS	BKR	WIRE SIZE	POLES	SLOT	LOAD SERVED	CKT
1	RCPT ROOM 202	1	1		20	1080	A	B	C	900	20		1	2	RCPT ROOM 202	2
3	SPARE	3	2		30					900	20		1	4	RCPT ROOM 203,204,205	4
5		5								1080	20		1	6	RCPT ROOM 206,207,208	6
7	RCPT ROOM 206,207,208	7	1		20	900				240	20		1	8	FIRE ALARM	8
9	RCPT ROOM 203,204,205	9	1		20	720					20		1	10	SPARE	10
11	LANDIS MBC	11	1		20	720				540	20		1	12	RCPT ROOM 203	12
13	INCANDESCENT LTS	13	1		20</											