

"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
							A	B	C							
1	HEATER HC-01	1	3		20	6000	2000	0	0	9000	20	3	2	HEATER HC-07	2	
		3					2000	0	0				4			
		5					2000	0	0				6			
7	HEATER HC-08	7	3		20	9000	3000	0	0	6000	20	3	8	HEATER HC-05	8	
		9					3000	0	0				10			
		11					2000	0	0				12			
13	HEATER HC-06	13	3		20	6000	2000	0	0	6000	20	3	14	HEATER HC-02	14	
		15					0	0	0				16			
		17					0	0	0				18			
19	HEATER HC-04	19	3		20	6000	2000	0	0	20	20	3	20	SPARE	20	
		21					0	0	0				22	SPARE		
		23					0	0	0				24	SPARE		
25	LIGHTS ROOM 202	25	1		20	1800	1800	0	0	1800	20	1	26	SPARE	26	
27	OUTSIDE LTG.	27	1		20	550	0	0	0	180	20	1	28	EMERG BATT PACKS	28	
29	LIGHTS ROOM 203,209	29	1		20	1540	0	0	0	4230	20	1	30	LIGHTS ROOM 204,205	30	
31	LIGHTS ROOM 208	31	1		20	188	188	0	0	919	20	1	32	LIGHTS ROOM 206,207,209	32	
33	ROLLUP DOORS	33	3		20	4489	1496	0	0	20	20	1	34	SPARE	34	
		35					0	0	0				36	SPARE		
		37					2186	0	1496	6319	20	1	38	SUPPLY CRANE MOTOR	38	
39	SPARE	39	1		20		0	0	0	20	20	1	40			
41	SPARE	41	1		20		0	0	0	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
							A	B	C							
1	RCPT ROOM 202	1	1		20	1080	1080	0	0	900	20	1	2	RCPT ROOM 202	2	
3	SPARE	3	2		30	0	0	0	0	900	20	1	4	RCPT ROOM 203,204,205	4	
		5					0	0	0	1080	20	1	6	RCPT ROOM 206,207,208	6	
7	RCPT ROOM 206,207,208	7	1		20	900	900	0	0	240	20	1	8	FIRE ALARM	8	
9	RCPT ROOM 203,204,205	9	1		20	720	0	0	0	20	20	1	10	SPARE	10	
11	RCPT ROOM 203	11	1		20	720	0	0	0	540	20	1	12	RCPT ROOM 203	12	
13	INCANDESCENT LTS	13	1		20	300	300	0	0	20	20	1	14	SPARE	14	
15	INCANDESCENT LTS	15	1		20	400	0	0	0	20	20	1	16	EXIT LIGHTS	16	
17	SPARE	17	1		20	180	0	0	0	20	20	1	18	SPARE	18	
19	TRAP PRIMER	19	1		20	180	0	0	0	20	20	1	20	CONTROL POWER *	20	
21	SPARE	21	1		20		0	0	0	20	20	1	22	CONTROL POWER *	22	
23	GLYCOL FEEDS *	23	1		20		0	0	0	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
							A	B	C							
1	HEATING BLANKET CART	1	3		40	27000	9000	6667	0	20000	30	3	2	CRYOPUMP REGENERATOR	2	
		3					0	0	0				4			
		5					0	0	0				6			
7	MAIN TURBO PUMP 1	7	1		20	400	400	0	0	30	30	3	8	SPARE	8	
9	SPARE	9	1		20		0	0	0				10			
11	SPARE	11	1		20		0	0	0				12			
TOTAL							16067	15667	15667							
TOTAL CONNECTED LOAD (VA)							47401									
(AMPS)							57									

\* BY OTHERS

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
							A	B	C							
1	HEATING BLANKET CART	1	3		40	27000	9000	6667	0	20000	30	3	2	CRYOPUMP REGENERATOR	2	
		3					0	0	0				4			
		5					0	0	0				6			
7	MAIN TURBO PUMP	7	1		20	400	400	0	0	30	30	3	8	SPARE	8	
9	SPARE	9	1		20		0	0	0				10	SPARE	10	
11	SPARE	11	1		20		0	0	0				12	SPARE	12	
13	SPARE	13	1		20		0	0	0				14	SPARE	14	
15	SPARE	15	3		20		0	0	0	20	20	3	16	SPARE	16	
		17					0	0	0				18			
		19					0	0	0				20			
21	SPARE	21	1		20		0	0	0				22	SPARE	22	
23	SPARE	23	1		20		0	0	0				24	SPARE	24	
25	SPARE	25	1		20		0	0	0				26	SPARE	26	
27	SPARE	27	1		20		0	0	0				28	SPARE	28	
29	SPARE	29	1		20		0	0	0				30	SPARE	30	
TOTAL							19667	15667	15667							
TOTAL CONNECTED LOAD (VA)							51001									
(AMPS)							61.5									

"B" ARM END STATION

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
							A	B	C							
1	HEATER HC-05	1	3		20	6000	2000	2186	0	6319	20	3	2	CR-01	2	
		3					0	0	0				4			
		5					0	0	0				6			
7	HEATER HC-07	7	3		20	9000	3000	2000	0	6000	20	3	8	HEATER HC-06	8	
		9					0	0	0				10			
		11					0	0	0				12			
13	HEATER HC-08	13	3		20	9000	3000	2000	0	6000	20	3	14	HEATER HC-01	14	
		15					0	0	0				16			
		17					0	0	0				18			
19	HEATER HC-04	19	3		20	6000	2000	2000	0	6000	20	3	20	HEATER HC-02	20	
		21					0	0	0				22	SPARE		
		23					0	0	0				24	SPARE		
25	LIGHTS ROOM 202	25	1		20	1800	1800	0	0	1800	20	1	26	SPARE	26	
27	OUTSIDE LTG.	27	1		20	550	0	0	0	180	20	1	28	EMERG BATT PACKS	28	
29	LIGHTS ROOM 203,209	29	1		20	1540	0	0	0	4230	20	1	30	LIGHTS ROOM 204,205	30	
31	LIGHTS ROOM 208	31	1		20	188	188	0	0	919	20	1	32	LIGHTS ROOM 206,207,209	32	
33	ROLLUP DOORS	33	3		20	4489	1496	0	0	20	20	1	34	SPARE	34	
		35					0	0	0				36	SPARE		
		37					2186	0	1496	6319	20	1	38	SUPPLY CRANE MOTOR	38	
39	SPARE	39	1		20		0	0	0	20	20	1	40			
41	SPARE	41	1		20		0	0	0	20	20	1	42			
TOTAL							21509	20374	25372							
TOTAL CONNECTED LOAD (VA)							67255									
(AMPS)							80.9									

NOTE 5 ON DWG LA-E-008.

"B" ARM END STATION

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
							A	B	C							
1	RCPT ROOM 202	1	1		20	1080	1080	0	0	900	20	1	2	RCPT ROOM 202	2	
3	SPARE	3	2		30	0	0	0	0	900	20	1	4	RCPT ROOM 203,204,205	4	
		5					0	0	0	1080	20	1	6	RCPT ROOM 206,207,208	6	
7	RCPT ROOM 206,207,208	7	1		20	900	900	0	0	240	20	1	8	FIRE ALARM	8	
9	RCPT ROOM 203,204,205	9	1		20	720	0	0	0	20	20	1	10	SPARE	10	
11	LANDIS MBC	11	1		20	720	0	0	0	540	20	1	12	RCPT ROOM 203	12	
13	INCANDESCENT LTS	13	1		20	300	300	0	0	20	20	1	14	CONTROL POWER *	14	
15	INCANDESCENT LTS	15	1		20	400	0	0	0	20	20	1	16	CONTROL POWER *	16	
17	SPARE	17	1</													