

PANEL ID: PNL-1P		AMPS: 225	VOLTS: 347/600V	PHASE: 3Ø	WIRE: 4	SURF. MOUNT <input checked="" type="checkbox"/>	TOP FED <input type="checkbox"/>							
DESCRIPTION: NON-ESSENTIAL		LOCATION: PRIMARY CLARIFIER ELECTRICAL ROOM		MFG / MODEL: WESTINGHOUSE NFD		INTERRUPTING RATING: 25 KA								
MAIN BREAKER: 100A		INST. SETTINGS: N/A												
CCT.	DESCRIPTION	NOTE	WIRE (AWG)	BRKR AMPS	LOAD (VA)	A	B	C	LOAD (VA)	BRKR AMPS	WIRE (AWG)	NOTE	DESCRIPTION	CCT.
1	LIGHTING ROOM P110		15	1000W	1200W	15			1200W	15			LIGHTING ROOM P107	2
3	LIGHTING ROOM P110		15	1000W	1000W	15			1000W	15			LIGHTING ROOMS P104, P107	4
5	LIGHTING SERVICE AREA ROOM P132		15	1600W	1200W	15			1200W	15			LIGHTING ROOMS P104, P106	6
7	LIGHTING WALKWAY ROOM P130		15	1600W	1220W	15			1220W	15			LIGHTING ROOMS P120, P123	8
9	LIGHTING WALKWAY ROOM P130		15	1600W	1200W	15			1200W	15			LIGHTING ROOM P120	10
11	LIGHTING FNA ROOM P129		15	320W	1100W	15			1100W	15			LIGHTING ROOMS P101, P112	12
13	LIGHTING ROOM P134		15/00	300W	1200W	15			1200W	15			LIGHTING WALKWAY P117	14
15	LIGHTING WALKWAY P119		15	1200W	800W	15			800W	15			LIGHTING ROOM P124	16
17	LIGHTING ROOM P134		15	400W	2200W	15			2200W	15			LIGHTING WALKWAY P118	18
19	LIGHTING ROOM P103		15	200W	900W	15			900W	15			LIGHTING ROOM P102	20
21	SPARE		15		1000W	15			1000W	15			LIGHTING ROOM P127	22
23	SPARE		15		1200W	15			1200W	15			LIGHTING ROOM P127	24
25	SPARE		15			15				15			SPARE	26
27	SPARE		15			15				15			SPARE	28
29	SPARE		15			15				15			SPARE	30
31	SPARE												SPARE	32
33	SPARE												SPARE	34
35	SPARE												SPARE	36
37	SPARE												SPARE	38
39	SPARE												SPARE	40
41	SPARE												SPARE	42
TOTAL CONNECTED LOAD:		KVA	PHASE A:	KVA	A	NOTE LEGEND:								
		A (AVG)	PHASE B:	KVA	A	AFCI ARC FAULT CIRCUIT INTERRUPTOR								
		A (MAX)	PHASE C:	KVA	A	GFCI GROUND FAULT CIRCUIT INTERRUPTOR								
						LOCK LOCKED BREAKER								
NOTES: 1. WATT LOADS COPIED FROM EXISTING DRAWINGS EXCEPT FOR THOSE NOTED.														

PANEL ID: PNL-2P		AMPS: 225	VOLTS: 347/600V	PHASE: 3Ø	WIRE: 4	SURF. MOUNT <input checked="" type="checkbox"/>	TOP FED <input type="checkbox"/>							
DESCRIPTION: ESSENTIAL		LOCATION: PRIMARY CLARIFIER ELECTRICAL ROOM		MFG / MODEL: WESTINGHOUSE NFD		INTERRUPTING RATING: 25 KA								
MAIN BREAKER: 100A, HFD SERIES		INST. SETTINGS: N/A												
CCT.	DESCRIPTION	NOTE	WIRE (AWG)	BRKR AMPS	LOAD (VA)	A	B	C	LOAD (VA)	BRKR AMPS	WIRE (AWG)	NOTE	DESCRIPTION	CCT.
1	LIGHTING RM P106, P107, P110		15	835W	910W	15			910W	15			LIGHTING RM P117, P118, P120	2
3	LIGHTING RM P112		15	560W	800W	15			800W	15			LIGHTING WALKWAY P130	4
5	LIGHTING STAIRS P111, P121, P122		15	500W	800W	15			800W	15			EXIT LIGHTS PRIMARY CLARIFIER	6
7	LIGHTING RM P124, P127		15	900W	1200W	15			1200W	15			SPARE	8
9	LIGHTING STAIRS P105, P116		15	650W	400W	15			400W	15			EXTERIOR LIGHTING	10
11	EXIT LIGHTS GALLERY 106 & 110		15	95W	300W	15			300W	15			EXTERIOR LIGHTING	12
13					6500W	15			6500W	15			SPARE	14
15	SUMP PUMP 4 PLEX		8	40	6500W	15			600W	15			LIGHTING STAIRS P128, P133	16
17					6500W	15			400W	15			LIGHTING STAIRS P125, P131	18
19					800W	15			800W	15			LIGHT P130	20
21	PNL-2B		6	40	700W	15			700W	15			LIGHTING RM P101, P102	22
23					155W	15			155W	15			EXIT	24
25						15				15			SPARE	26
27	PNL-2G		6	40		15				15			SPARE	28
29													SPARE	30
31	SPACE												SPACE	32
33	SPACE												SPACE	34
35	SPACE												SPACE	36
37	SPACE												SPACE	38
39	SPACE												SPACE	40
41	SPACE												SPACE	42
TOTAL CONNECTED LOAD:		KVA	PHASE A:	KVA	A	NOTE LEGEND:								
		A (AVG)	PHASE B:	KVA	A	AFCI ARC FAULT CIRCUIT INTERRUPTOR								
		A (MAX)	PHASE C:	KVA	A	GFCI GROUND FAULT CIRCUIT INTERRUPTOR								
						LOCK LOCKED BREAKER								
NOTES: 1. WATT LOADS COPIED FROM EXISTING DRAWINGS EXCEPT FOR THOSE NOTED.														

PANEL ID: PNL-3P		AMPS: 225	VOLTS: 120/208V	PHASE: 3Ø	WIRE: 4	SURF. MOUNT <input checked="" type="checkbox"/>	TOP FED <input type="checkbox"/>							
DESCRIPTION: ESSENTIAL		LOCATION: PRIMARY CLARIFIER ELECTRICAL ROOM		MFG / MODEL: WESTINGHOUSE NBA		INTERRUPTING RATING: 10 KA								
MAIN BREAKER: 200A		INST. SETTINGS: N/A												
CCT.	DESCRIPTION	NOTE	WIRE (AWG)	BRKR AMPS	LOAD (VA)	A	B	C	LOAD (VA)	BRKR AMPS	WIRE (AWG)	NOTE	DESCRIPTION	CCT.
1	RECEPTACLE ROOMS P129, P130		15	600W	900W	15			900W	15			RECEPTACLE ROOMS P130, P132	2
3	RECEPTACLE ROOM P134		15	600W	900W	15			900W	15			RECEPTACLE ROOM P130	4
5	RECEPTACLE ROOM P110		15	600W	600W	15			600W	15			RECEPTACLE ROOM P112	6
7	RECEPTACLE ROOM P124		15	600W	1000W	15			1000W	15			CONT. RM. DUCT HEATER PDH-1	8
9	RECEPTACLE ROOM P127		15	900W	1000W	15			1000W	15			CONT. RM. DUCT HEATER PDH-1	10
11	RECEPTACLE ROOM P107		15	900W	1000W	15			1000W	15			CONT. RM. DUCT HEATER PDH-1	12
13	RECEPTACLE ROOM P106		15	600W	1000W	15			1000W	15			CONT. RM. DUCT HEATER PDH-1	14
15	FAN P630-EF		15	700W	1000W	15			1000W	15			CONT. RM. DUCT HEATER PDH-1	16
17	FAN P635-EF		15	700W	600W	15			600W	15			RECEPTACLE ROOM P118	18
19	RECEPTACLE ROOMS P118, P120		15	900W	600W	15			600W	15			RECEPTACLE ROOM P117	20
21	RECEPTACLE ROOMS P101, P102		15	600W	900W	15			900W	15			RECEPTACLE ROOM P118	22
23	RECEPTACLE ROOMS P103, P113		15	1200W	900W	15			900W	15			RECEPTACLE ROOMS P120, P123	24
25	LIGHTING ROOM P113		15	600W		15				15			SPARE	26
27	LIGHTING ROOM P113		15	800W		15				15			SPARE	28
29	SPARE				3000W	40	8		3000W	40	8		ELEC. RM. DUCT HEATER PDH-2	30
31	SPARE				3000W	40	8		3000W	40	8		ELEC. RM. DUCT HEATER PDH-2	32
33	P111-STP CONTROL		15	100W		15				15			SPARE	34
35	SPARE		15			15				15			SPARE	36
37	P105-STP CONTROL		15	100W	900W	15			900W	15			SPARE	38
39	FAN P639-EF39		15	700W	900W	15			900W	15			PANEL PNL-5P	40
41	FAN P 640-EF40		15	700W	900W	15			900W	15			PANEL PNL-5P	42
TOTAL CONNECTED LOAD:		KVA	PHASE A:	KVA	A	NOTE LEGEND:								
		A (AVG)	PHASE B:	KVA	A	AFCI ARC FAULT CIRCUIT INTERRUPTOR								
		A (MAX)	PHASE C:	KVA	A	GFCI GROUND FAULT CIRCUIT INTERRUPTOR								
						LOCK LOCKED BREAKER								
NOTES: 1. WATT LOADS COPIED FROM EXISTING DRAWINGS EXCEPT FOR THOSE NOTED.														

PANEL ID: PNL-4P		AMPS: 225	VOLTS: 120/208V	PHASE: 3Ø	WIRE: 4	SURF. MOUNT <input checked="" type="checkbox"/>	TOP FED <input type="checkbox"/>							
DESCRIPTION: ESSENTIAL		LOCATION: PRIMARY CLARIFIER ELECTRICAL ROOM		MFG / MODEL: WESTINGHOUSE NBA		INTERRUPTING RATING: 10 KA								
MAIN BREAKER: 200A		INST. SETTINGS: N/A												
CCT.	DESCRIPTION	NOTE	WIRE (AWG)	BRKR AMPS	LOAD (VA)	A	B	C	LOAD (VA)	BRKR AMPS	WIRE (AWG)	NOTE	DESCRIPTION	CCT.
1	FACP-P1	LOCK	12	15	500W	15			100W	15			P106-STP CONTROL	2
3	SPARE		15		100W	15			100W	15			P116-STP CONTROL	4
5	SPARE		15		400W	15			400W	15			SPARE	6
7	SPARE		15		1000W	15			1000W	15			LIGHTING RM P113 & REC. P115	8
9	SPARE		15			15				15			SPARE	10
11	SPARE		15			15				15			SPARE	12
13														14
15	SPARE		15			15				15			SPARE (WAS PNL-6P)	16
17														18
19	SPARE					15				15			SPARE	20
21	SPARE					15				15			SPARE	22
23	SPARE					15				15			SPARE	24
25	SPARE				1000W	15			1000W	15			FIELD DEVICE PANEL	26
27	SPARE				1000W	15			1000W	15			FIELD DEVICE PANEL	28
29	SPARE				1000W	15			1000W	15			FIELD DEVICE PANEL	30
31					100W	15			100W	15			SAMPLER 536	32
33	PNL-4B		60		100W	15			100W	15			SAMPLER 501	34
35					100W	15			100W	15			SAMPLER 502	36
37					100W	15			100W					