

REMARKS	LOAD SERVING												LOAD SERVING												REMARKS	3 PHASE INFO
	VOLT AMPS						VOLT AMPS						VOLT AMPS													
	A	B	C	WIRE SIZE	OKT	WIRE SIZE	A	B	C	WIRE SIZE	OKT	WIRE SIZE	A	B	C	WIRE SIZE	OKT	WIRE SIZE								
SPD UNIT 105	1	60/2	3068				6	1	2	6	3068				60/2	2	UNIT 201	SPD								
HP UNIT 104	3	60/2	3068				6	3	4	6				60/2	4	UNIT 202	HP									
HP UNIT 103	7	60/2	3068				6	7	8	6	3068				60/2	8	UNIT 203	HP								
HP UNIT 102	13	60/2	3068				6	13	14	6	3068				60/2	14	UNIT 204	HP								
HP UNIT 101	17	60/2	3068				6	17	18	6	3068				60/2	18	UNIT 205	HP								
HP UNIT 106	19	60/2	3068				6	19	20	6	3068				60/2	20	UNIT 206	HP								
HP UNIT 107	21	60/2	3068				6	21	22	6	3068				60/2	22	UNIT 207	HP								
HP UNIT 108	23	60/2	3068				6	23	24	6	3068				60/2	24	UNIT 208	HP								
X TVSS	25	30/3					10	25	26	10	1100				30/2	26	105 A/C (**)	HP								
HP SUMP PUMP (*)	33	20/1					12	33	34	10				30/2	34	106 HEAT (**)	HP									
HP SIGN CLOCK	35	20/1					12	35	36	10				30/2	36	106 HEAT (**)	HP									
HP POOL PUMP	37	20/2	1100				12	37	38	10	900				30/2	38	106 A/C (**)	HP								
HP SPARE	39	20/1					12	39	40	10	900				30/1	40	SPARE	HP								
HP SPARE	41	20/1					12	41	42	10	900				20/1	42	SPARE	HP								
			600	13372	0	13672	0	12672				0	15522	0	15274	0	14522									

CALCULATIONS				PHASE LOADS			
CONN.	LOAD	FACTOR	DESIGN LOAD	A	B	C	
KVA	AMPS		KVA	AMPS	KVA	AMPS	
0.6	1.7	1.25	0.8	2.1			
0.0	0.0	-	0.0	0.0			
0.0	0.0	-	0.0	0.0			
7.1	88.0	236.2	1	85.0	236.2		
0.0	0.0	1	0.0	0.0			
0.0	0.0	0.65	0.0	0.0			
17.2	201.2	48.6	1	17.5	48.6		
0.0	0.0	1	0.0	0.0			
103.1	286.4		103.3	286.8			

NOTE: ALL CONDUCTORS ARE #12 AWG UNLESS OTHERWISE NOTED HERE IN OR ON RISER DIAGRAM, OR AS NOTED IN THE SPECIFICATIONS FOR VOLTAGE DROP.
 (*) TIME CLOCK CONTROLLED.
 (**) ELECTRICAL CONTRACTOR TO VERIFY IF CIRCUIT IS REQUIRED AFTER NEW LOAD CENTER FEEDERS ARE INSTALLED.

REMARKS	LOAD SERVING												LOAD SERVING												REMARKS	3 PHASE INFO
	VOLT AMPS						VOLT AMPS						VOLT AMPS													
	A	B	C	WIRE SIZE	OKT	WIRE SIZE	A	B	C	WIRE SIZE	OKT	WIRE SIZE	A	B	C	WIRE SIZE	OKT	WIRE SIZE								
SPD MAID ROOM	43	30/2	800				12	43	44	10				10	43	44	10	UNIT 201	SPD							
HP A/C UNIT	47	30/2	700				12	47	48	12				10	47	48	12	UNIT 202	HP							
HP A/C UNIT	49	30/2	700				12	49	50	8				10	49	50	8	UNIT 203	HP							
HP UN-KNOWN (*)	51	20/1					12	51	52	8				1100				UNIT 204	HP							
HP UN-KNOWN (*)	53	60/2					6	53	54	8				1100				UNIT 205	HP							
HP UN-KNOWN (*)	55	40/2					8	55	56	8				1100				UNIT 206	HP							
HP UN-KNOWN (*)	57	40/2					8	57	58	12				1100				UNIT 207	HP							
HP UN-KNOWN (*)	59	40/2					8	59	60	12				1100				UNIT 208	HP							
HP UN-KNOWN (*)	61	20/1					8	61	62	12				1100				UNIT 209	HP							
HP UN-KNOWN (*)	63	20/1					12	63	64	12				1100				UNIT 210	HP							
HP UN-KNOWN (*)	65	20/1					12	65	66	12				1100				UNIT 211	HP							
HP UN-KNOWN (*)	67	20/1					12	67	68	12				1100				UNIT 212	HP							
HP UN-KNOWN (*)	69	20/1					12	69	70	12				1100				UNIT 213	HP							
HP UN-KNOWN (*)	71	20/1					12	71	72	12				1100				UNIT 214	HP							
HP UN-KNOWN (*)	73	20/1					12	73	74	3				100/3	74	EXISTING A/C (**)	HP									
HP UN-KNOWN (*)	75	20/1					12	75	76	3				100/3	76	EXISTING A/C (**)	HP									
HP UN-KNOWN (*)	77	20/1					12	77	78	3				100/3	78	EXISTING A/C (**)	HP									
HP UN-KNOWN (*)	79	20/1					12	79	80	3				2253				UNIT 215	HP							
HP UN-KNOWN (*)	81	20/1					12	81	82	3				2253				UNIT 216	HP							
HP UN-KNOWN (*)	83	20/1					12	83	84	3				2253				UNIT 217	HP							
			0	1500	0	1500	0	1400				0	3053	0	3053	0	4073									

CALCULATIONS				PHASE LOADS			
CONN.	LOAD	FACTOR	DESIGN LOAD	A	B	C	
KVA	AMPS		KVA	AMPS	KVA	AMPS	
0.0	0.0	1.25	0.0	0.0			
0.0	0.0	-	0.0	0.0			
0.0	0.0	-	0.0	0.0			
17.5	48.6	1	17.5	48.6			
0.0	0.0	1	0.0	0.0			
0.0	0.0	0.65	0.0	0.0			
0.0	0.0	1	0.0	0.0			
17.5	48.6		17.5	48.6			

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 (*) UNKNOWN CIRCUIT TO EXISTING EQUIPMENT. REPLACE BRANCH CIRCUIT CONDUCTORS WITH NEW ALONG WITH EQUIPMENT GROUND. IDENTIFY CIRCUIT DESIGNATION ON PANEL SCHEDULE.
 (**) VERIFY IF EXISTING EQUIPMENT IS TO REMAIN. PROVIDE NEW FEEDER WITH EQUIPMENT GROUND.

REMARKS	LOAD SERVING												LOAD SERVING												REMARKS	3 PHASE INFO
	VOLT AMPS						VOLT AMPS						VOLT AMPS													
	A	B	C	WIRE SIZE	OKT	WIRE SIZE	A	B	C	WIRE SIZE	OKT	WIRE SIZE	A	B	C	WIRE SIZE	OKT	WIRE SIZE								
SPD UN-KNOWN (*)	1	60/2					6	1	2	12				20/1	2	RECEPTABLES	SPD									
HP SPARE	5	20/1					6	5	6	12				20/1	6	RECEPTABLES	HP									
HP UN-KNOWN (*)	7	20/1					12	7	8	12				20/1	8	RECEPTABLES	HP									
HP FURNACE	9	20/1					12	9	10	12				20/1	10	RECEPTABLES	HP									
HP ICE MACHINING	11	20/1					12	11	12	12				20/1	12	RECEPTABLES	HP									
HP DAMPERS	13	20/1	200				12	13	14	12				20/1	14	A/C FAN #1	HP									
HP EF-1	15	20/1					12	15	16	12				20/1	16	#1 A/C FAN	HP									
HP RECEPTABLE	17	20/1					12	17	18	12				20/1	18	RECEPTABLES	HP									
HP SPARE	19	20/1					12	19	20	12				20/1	20	RECEPTABLES	HP									
HP SPARE	21	20/1					12	21	22	12				20/1	22	DAMPERS	HP									
HP SPARE	23	20/1					12	23	24	12				20/1	24	GAS SOLENOID VALVE	HP									
HP SPARE	25	20/1					12	25	26	12				20/1	26	SPARE	HP									
HP SPARE	27	20/1					12	27	28	12				20/1	28	SPARE	HP									
HP SPARE	29	20/1					12	29	30	12				20/1	30	SPARE	HP									
			0	200	0	810	0	1180				0	1860	0	2060	0	1700									

CALCULATIONS				PHASE LOADS			
CONN.	LOAD	FACTOR	DESIGN LOAD	A	B	C	
KVA	AMPS		KVA	AMPS	KVA	AMPS	
0.0	0.0	1.25	0.0	0.0			
0.0	0.0	-	0.0	0.0			
0.0	0.0	1	0.0	0.0			
7.8	21.7	1	7.8	21.7			
0.0	0.0	1	0.0	0.0			
0.0	0.0	0.65	0.0	0.0			
0.0	0.0	1	0.0	0.0			
0.0	0.0	1	0.0	0.0			
7.8	21.7		7.8	21.7			

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REMARKS	LOAD SERVING												LOAD SERVING												REMARKS	3 PHASE INFO
	VOLT AMPS						VOLT AMPS						VOLT AMPS													
	A	B	C	WIRE SIZE	OKT	WIRE SIZE	A	B	C	WIRE SIZE	OKT	WIRE SIZE	A	B	C	WIRE SIZE	OKT	WIRE SIZE								
SPD FIRE ALARM PNL	1	20/1	210				12	1	2	10				30/3	2	TVSS 1	SPD									
HP LIGHTING	3	15/1	790				12	3	4	10				4												
HP RECEPTABLES	5	20/1	720				12	5	6	10				6												
HP RECEPTABLES	7	20/1	720				12	7	8	12				8												
HP T/C LTG (*)	9	15/1	486.6				12	9	10	12				15/1	10	LTG (*)	HP									
HP T/C LTG (*)	11	20/1	600				12	11	12	12				20/1	12	LTG (*)	HP									
HP T/C LTG (*)	13	20/1	600				12	13	14	12				20/1	14	LTG (*)	HP									
HP SPARE	15	20/1					12	15	16	12				20/1	16	SPARE	HP									
HP SPARE	17	20/1					12	17	18	6				17	18	6	UNIT 108	HP								
HP SPARE	19	20/1					12	19	20	6				19	20	6	UNIT 109	HP								
HP UNIT 107	21	60/2	3068				6	21	22	6				3068				UNIT 107	HP							
HP UNIT 108	23	60/2	3068				6	23	24	6				3068				UNIT 108	HP							
HP UNIT 109	25	60/2	3068				6	25	26	6				3068				UNIT 109	HP							
HP UNIT 110	27	60/2	3068				6	27	28	6				3068				UNIT 110	HP							
HP SPARE	29	20/1					12	29	30	12				20/1	30	SPARE	HP									
			600	3998	790	6636	720	3068				0	6136	0	3068	0	3068									

CALCULATIONS				PHASE LOADS			
CONN.							