

Branch Panel: EXT. C1HA														
Location: 480/277 Wye Supply From: Mounting: Surface Enclosure: Type 1						Volts: 480/277 Wye Phases: 3 Wires: 4			A.I.C. Rating: EXT Mains Type: MCB Mains Rating: 225 A MCB Rating: 225 A					
Notes:														
NOTES	CKT	Circuit Description	Trip	Poles	A	B	C	Poles	Trip	Circuit Description	CKT	NOTES		
	1	LTS-MECH RM, REST ROOMS	20 A	1	980 VA	980 VA			1	20 A	LTS - COVERED CANOPY	2	1	
	3	LTS-CORRIDOR & ELEVATOR LOBBY	20 A	1		981 VA	981 VA		1	20 A	LTS - PERIMETER CANOPY	4	1	
	5	FOR FUTURE L1 SW AREA	20 A	1			1690...	1690...	1	20 A	LTS - TUG DRIVE	6	1	
	7	FOR FUTURE L1 SW AREA	30 A	1	980 VA	980 VA			1	30 A	FOR FUTURE L1 SW AREA	8	1	
	9	FOR FUTURE L1 SW AREA	30 A	1		981 VA	1572...		3	80 A	NEW 45 KVA TRANSFORMER C2TA	10	3.4	
	11	SPARE	30 A	1			0 VA	1475...	--	--		12	4	
	13	FOR FUTURE L1 SW AREA	20 A	1	980 VA	1265...			--	--		14	4	
	15	SOUTH CATWALK UP LIGHTS NORTH...	20 A	1		981 VA	981 VA		1	30 A	NORTH CATWALK UP LIGHTS NORTH...	16	1	
	17	SOUTH CATWALK UP LIGHTS NORTH...	20 A	1			1690...	1690...	1	30 A	NORTH CATWALK UP LIGHTS NORTH...	18	1	
	19	MENS RR LIGHTING	20 A	1	939 VA	980 VA			1	30 A	NORTH CATWALK UP LIGHTS NORTH...	20	1	
	21	LTS - GN COLUMN NORTH SIDE	20 A	1		981 VA	981 VA		1	20 A	DN LTS - BULK HEAD NORTH SIDE	22	1	
	23	PDT, LTS - NORTH HOLD ROOM	20 A	1			1690...	1690...	1	20 A	DN LTS - BULK HEAD NORTH SIDE	24	1	
	25	PDT, LTS - NORTH HOLD ROOM	20 A	1	980 VA	980 VA			1	20 A	PDT, LTS - SOUTH HOLD RM	26	1	
	27	DN LTS - BULK HEAD	20 A	1		981 VA	981 VA		1	20 A	SOUTH SIDE LTS - COLUMN &...	28	1	
	29	WOMENS RR LIGHTING	20 A	1			1421...	1690...	1	20 A	DN LTS - BULK HEAD SOUTH SIDE	30	1	
	31	LTS - LOBBY & ELEC. CLOSET	20 A	1	980 VA	980 VA			1	20 A	DN LTS - BULK HEAD SOUTH SIDE	32	1	
	33								1	20 A	DN LTS - BULK HEAD SOUTH SIDE	34	1	
	35	EXISTING	20 A	1			1690...	1690...	1	20 A	SOUTH CATWALK UP LIGHTS - SOUTH...	36	1	
	37	EXT. C1TA	100 A	3	4188...	980 VA			1	20 A	SOUTH CATWALK UP LIGHTS - SOUTH...	38	1	
	39	--	--	--		4162...	981 VA		1	20 A	NORTH CATWALK UP LIGHTS - SOUTH...	40	1	
	41	--	--	--			2448...	1690...	1	20 A	NORTH CATWALK UP LIGHTS - SOUTH...	42	1	
					Total Load:	28517 VA	30678 VA	35462 VA						
					Total Amps:	103 A	112 A	129 A						
Legend:														
<b>Load Classification</b>					<b>Connected Load</b>	<b>Demand Factor</b>	<b>Estimated Demand</b>	<b>Panel Totals</b>						
Lighting					4234 VA	125.00%	5292 VA	Total Conn. Load: 94656 VA						
Motor					20394 VA	101.53%	20707 VA	Total Est. Demand: 96194 VA						
Receptacle					21540 VA	100.84%	21720 VA	Total Conn.: 114 A						
Spare					48542 VA	100.00%	48542 VA	Total Est. Demand: 116 A						
Notes:														
1. EXISTING BREAKER TO REMAIN.														
2. EXISTING BRANCH CIRCUIT TO BE REMOVED AND LABELED AS SPARE.														
3. EXISTING BRANCH CIRCUIT AND BREAKER TO BE RELOCATED TO BREAKER SLOT #11. CONTRACTOR TO VERIFY IF RELOCATION CAN BE RELOCATED DURING NORMAL HOURS.														
4. EXISTING BREAKERS TO BE REPLACED WITH 80 AMP/3 POLE BREAKER TO PROVIDE POWER TO NEW TRANSFORMER C2JA.														

Branch Panel: EXT. C1LA - I														
Location: 120/208 Wye Supply From: EXT. C1TA Mounting: Surface Enclosure: Type 1						Volts: 120/208 Wye Phases: 3 Wires: 4			A.I.C. Rating: EXT Mains Type: MCB Mains Rating: 225 A MCB Rating: 225 A					
Notes:														
NOTES	CKT	Circuit Description	Trip	Poles	A	B	C	Poles	Trip	Circuit Description	CKT	NOTES		
	2	HUDSON NEWS	80 A	2	258 VA	258 VA			1	20 A	WEST SIDE WALL OUTLETS	2	2	
	3	--	--	--		202 VA	202 VA		1	20 A	COMM ROOM RECEPTACLES	4	2	
	5	SOUTH SIDE GFCI RECEPTACLE	20 A	1				102 VA	102 VA	1	20 A	ROLL UP DOOR NORTH SIDE	6	2
	7	SOUTH SIDE WALL OUTLETS	20 A	1	258 VA	258 VA			1	20 A	NORTH SIDE WALL OUTLETS	8	2	
	9	SOUTH SIDE WALL OUTLETS	20 A	1			202 VA	202 VA	1	20 A	NORTH SIDE SECURITY SYSTEM	10	2	
	11	SOUTH SIDE WALL OUTLETS	20 A	1				102 VA	102 VA	1	20 A	WALL OUTLETS	12	2
	13	SOUTH WEST STORAGE OUTLETS	20 A	1	258 VA	258 VA			1	20 A	NORTH MECH ROOM WALL OUTLETS	14	2	
	15	ELEVATOR PIT LIGHTS, RECEP. AND...	20 A	1			202 VA	202 VA	1	20 A	SOUTH MECH ROOM WALL OUTLETS	16	2	
	17	SPARE IN ELEVATOR ROOM	20 A	1				102 VA	102 VA	1	20 A	ELEC ROOM OUTLETS	18	2
	19	WALL OUTLETS	20 A	1	258 VA	258 VA			1	20 A	DDC CONTROLLER RM 11134	20	2	
	21	WATER HEATER BURNER	20 A	1			202 VA	202 VA	1	20 A	CP C - 101	22	2	
	23	HEAT TRACE	30 A	2				102 VA	0 VA	1	20 A	SPARE	24	2
	25	--	--	--	258 VA	258 VA				1	20 A	HUDSON NEWS	26	2
	27	SPARE	20 A	1		0 VA	202 VA		1	20 A	HUDSON NEWS	28	2	
	29	RECEPTACLE COVERED AREA	20 A	1				102 VA	102 VA	1	20 A	CP C - 103	30	2
	31	DDC CONTROLLER RM 10000	20 A	1	258 VA	258 VA			1	20 A	EF C - 102	32	2	
	33	CP C-102	20 A	1			202 VA	0 VA	1	20 A	SPARE	34	2	
	35	FCU C - 103	20 A	1				102 VA	102 VA	1	20 A	DDC CONTROLLER RM 11119	36	2
	37	FCU C - 102	20 A	1	258 VA	0 VA			1	20 A	SPARE	38	2	
	39	SPARE	20 A	1		0 VA	202 VA		1	20 A	RR AUTO FLUSH	40	2	
	41	LIGHT CONTROLS	20 A	1				102 VA	102 VA	1	20 A	FCU C-104	42	2
	43	EXT. C1LA - II	225 A	3	840 VA	0 VA			--	--	SPACE	44	1	
	45	--	--	--		1942...	0 VA		--	--	SPACE	46	1	
	47	--	--	--			1128...	0 VA	--	--	SPACE	48	1	
					Total Load:	4188 VA	4162 VA	2448 VA						
					Total Amps:	37 A	37 A	20 A						
Legend:														
<b>Load Classification</b>					<b>Connected Load</b>	<b>Demand Factor</b>	<b>Estimated Demand</b>	<b>Panel Totals</b>						
Receptacle					720 VA	106.25%	765 VA	Total Conn. Load: 10798 VA						
Spare					10078 VA	100.00%	10078 VA	Total Est. Demand: 10843 VA						
								Total Conn.: 30 A						
								Total Est. Demand: 30 A						
Notes:														
1. BREAKERS ARE SHOWN TO REFLECT FEED THRU LUGS FOR SECTION 2 PANEL.														
2. EXISTING BREAKER TO REMAIN.														

Branch Panel: C2LA														
Location: JANITOR 109 Supply From: C2TA Mounting: Surface Enclosure: Type 1						Volts: 120/208 Wye Phases: 3 Wires: 4			A.I.C. Rating: 25,000 Mains Type: MCB Mains Rating: 150 A MCB Rating: 150 A					
Notes:														
NOTES	CKT	Circuit Description	Trip	Poles	A	B	C	Poles	Trip	Circuit Description	CKT	NOTES		
	1	MENS RR HAND DRYER	20 A	2	1000...	1000...			2	20 A	MENS RR HAND DRYER	2		
	3	--	--	--		1000...	1000...		--	--		4		
	5	MENS RR HAND DRYER	20 A	2		1000...	1000...		2	20 A	MENS RR HAND DRYER	6		
	7	--	--	--	1000...	1000...			--	--		8		
	9	WOMENS RR HAND DRYER	20 A	2		1000...	1000...		2	20 A	WOMENS RR HAND DRYER	10		
	11	--	--	--			1000...	1000...	--	--		12		
	13	WOMENS HAND DRYER	20 A	2	1000...	1000...			2	20 A	WOMENS RR HAND DRYER	14		
	15	--	--	--		1000...	1000...		--	--		16		
	17	MENS RR HAND DRYER	20 A	2			500 VA	500 VA	2	20 A	WOMENS RR HAND DRYER	18		
	19	--	--	--	500 VA	500 VA			--	--		20		
	21	MENS RR FAUCET SENSORS	20 A	1		1440...	1440...		1	20 A	MENS RR FAUCET SENSORS	22		
	23	MENS CENTER SINK RECEPTACLES	20 A	1			720 VA	1440...	1	20 A	WOMENS RR FAUCET SENSORS	24		
	25	WOMENS RECEPTACLE	20 A	1	1080...	1440...			1	20 A	WOMENS RR FAUCET SENSORS	26		
	27	FAMILY RESTROOM RECEPTACLE/HH...	20 A	1		360 VA	900 VA		1	20 A	MENS/WOMENS SINK RECEPTACLES	28		
	29	MENS RR FAUCET SENSORS	20 A	1			720 VA	720 VA	1	20 A	WOMENS CENTER SINK RECEPTACLES	30		
	31	WOMENS RR FAUCET SENSORS	20 A	1	1440...	720 VA			1	20 A	MENS RR FAUCET SENSORS	32		
	33	MENS TOILET SENSORS	20 A	1		1080...	1440...		1	20 A	WOMENS RR FAUCET SENSORS	34		
	35	WOMENS TOILET SENSORS	20 A	1			720 VA	1080...	1	20 A	MENS URINAL SENSORS	36		
	37	PAPER TOWEL DISPENSORS	20 A	1	900 VA	900 VA			1	20 A	WOMENS TOILET SENSORS	38		
	39	CEILING HOIST	20 A	2		572 VA	900 VA		1	20 A	WOMENS TOILET SENSORS	40		
	41	--	--	--			572 VA	360 VA	1	20 A	USB RECEPTACLES	42		
	43	ADA RESTROOM TOILET SENSOR	20 A	1	660 VA	625 VA			2	20 A	FAMILY RR WASH BASIN	44		
	45	SPARE	30 A	1			0 VA	625 VA	--	--		46		
	47	MONITORS	20 A	1				360 VA	960 VA	1	20 A	MENS VANITY MIRROR LIGHTING	48	
	49	SPARE	30 A	3	0 VA	960 VA			1	20 A	WOMENS VANITY MIRROR LIGHTING	50		
	51	--	--	--			0 VA	0 VA	1	20 A	SPARE	52		
	53	--	--	--			0 VA	0 VA	1	20 A	SPARE	54		
					Total Load:	15725 VA	14757 VA	12652 VA						
					Total Amps:	134 A	126 A	105 A						
Legend:														
<b>Load Classification</b>					<b>Connected Load</b>	<b>Demand Factor</b>	<b>Estimated Demand</b>	<b>Panel Totals</b>						
Lighting					1920 VA	125.00%	2400 VA	Total Conn. Load: 43134 VA						
Motor					20394 VA	101.53%	20707 VA	Total Est. Demand: 44107 VA						
Receptacle					20620 VA	100.86%	21000 VA	Total Conn.: 120 A						
								Total Est. Demand: 122 A						
Notes:														

Branch Panel: EXT. C1LA - II													
Location: 120/208 Wye Supply From: EXT. C1LA - I Mounting: Surface Enclosure: Type 1						Volts: 120/208 Wye Phases: 3 Wires: 4			A.I.C. Rating: EXT Mains Type: MLO Mains Rating: 225 A MCB Rating:				
Notes:													
NOTES	CKT	Circuit Description	Trip	Poles	A	B	C	Poles	Trip	Circuit Description	CKT	NOTES	
	1	GATE 50 51 LED AND OUTLETS	20 A	1	76 VA	76 VA			1	20 A	GATE 50 COUNTER	2	1
	3	GATE 48 LED, OUTLETS	20 A	1		122 VA	122 VA		1	20 A	GATE 51 COUNTER	4	1
	5	GATE 46 LED, OUTLETS	20 A	1			103 VA	103 VA	1	20 A	GATE 48 COUNTER	6	1
	7	SPARE	20 A	1	0 VA	76 VA			1	20 A	GATE 46 COUNTER	8	1
	9	GATE 49 LED, OUTLETS	20 A	1		122 VA	122 VA		1	20 A	RECEPTACLE INSIDE BULKHEAD...	10	1
	11	GATE 47 WALL OUTLETS, LED	20 A	1			103 VA	103 VA	1	20 A	GATE SIGNS SOUTH SIDE	12	1
	13	PHONE KIOSK OUTLETS	20 A	1	76 VA								