3/18/2026 4:36:30 PM EP08-01 ELECTRICAL PANELBOARD SCHEDULES

Panel - MSB

Bus - 2500 A / MCB - 2500 A
Fed From - **UTIL TX**
Service - **480/277 3ph 4w**
In Room - **CUSTODIAL OFFICE 76**
Mount - **Surface Mnt / NEMA 1**
Branch AIC - **25,000 AIC**
Total Demand Load - **1795 A**
% Imbalance - **1**

Notes:PROVIDE SHUNT TRIP ON MAIN BREAKER, SPD, GFCI AND METERING PER SPECS, ** See Riser Diagram for feeder info. **

#	Load Name	P	Bkr	Wire	A	B	C	Wire	Bkr	P	Load Name	#
1	Panel SDP - w/Main CB	3	400 A	(2)#3/0	177 A / 444 A			(3)300k	800 A	3	Panel CDP - w/Main CB	2
3	--	--	--	--		162 A / 427 A		--	--	--	--	4
5	--	--	--	--			162 A / 442 A	--	--	--	--	6
7	Panel BDP - w/Main CB	3	800 A	(3)300k	476 A / 871 A			(4)250k	1000 A	3	Panel DDP - w/Main CB	8
9	--	--	--	--		490 A / 874 A		--	--	--	--	10
11	--	--	--	--			480 A / 869 A	--	--	--	--	12
13	SPACE	1	--	--	0 A / 0 A			--	--	1	SPACE	14
15	SPACE	1	--	--		0 A / 0 A		--	--	1	SPACE	16
17	SPACE	1	--	--			0 A / 0 A	--	--	1	SPACE	18
19	SPACE	1	--	--	0 A / 0 A			--	--	1	SPACE	20
21	SPACE	1	--	--		0 A / 0 A		--	--	1	SPACE	22
23	SPACE	1	--	--			0 A / 0 A	--	--	1	SPACE	24
25	SPACE	1	--	--	0 A / 0 A			--	--	1	SPACE	26
27	SPACE	1	--	--		0 A / 0 A		--	--	1	SPACE	28
29	SPACE	1	--	--			0 A / 0 A	--	--	1	SPACE	30
31	SPACE	1	--	--	0 A / 0 A			--	--	1	SPACE	32
33	SPACE	1	--	--		0 A / 0 A		--	--	1	SPACE	34
35	SPACE	1	--	--			0 A / 0 A	--	--	1	SPACE	36
37	SPARE - 400A	3	--	--	0 A / 0 A			--	--	3	SPARE - 600A	38
39	--	--	--	--		0 A / 0 A		--	--	--	--	40
41	--	--	--	--			0 A / 0 A	--	--	--	--	42

Legend: Phase A,B,C values are in Amps.

Load Classification	Demand Factor	Estimated Demand	Connected Load	Panel Totals	
HVAC	100.00%	926318 VA	926318 VA		
Kitchen	65.00%	158881 VA	244432 VA	Total Conn. Load:	1625307 VA
Lighting	125.00%	66169 VA	52935 VA	Total Est. Demand:	1492515 VA
Motor	100.00%	94166 VA	94166 VA	Total Conn.:	1955 A
NonLinear Tech	77.35%	82443 VA	106590 VA	Total Est. Demand:	1795 A
Power	100.00%	60211 VA	60211 VA		
Power Continuous	125.00%	14265 VA	11412 VA		
Receptacles	54.91%	55938 VA	101875 VA		
Water Heating	125.00%	31875 VA	25500 VA		
Electric Dryer	100.00%	4400 VA	4400 VA		
INTERIOR LIGHTING	125.00%	2943 VA	2354 VA		

Panel - DDP

Bus - 1000 A / MCB - 1000 A
Fed From - **MSB**
Service - **480/277 3ph 4w**
In Room - **CUSTODIAL OFFICE 76**
Mount - **Surface Mnt / NEMA 1**
Branch AIC - **25,000 AIC**
Total Demand Load - **766 A**
% Imbalance - **1**

Notes:, ** See Riser Diagram for feeder info. **

#	Load Name	P	Bkr	Wire	A	B	C	Wire	Bkr	P	Load Name	#
1	Panel DH - w/Main CB	3	125 A	#1/0	18 A / 17 A			#6	45 A	3	TXDC - 30 kVA, 115C Rise	2
3	--	--	--	--		19 A / 17 A		--	--	--	--	4
5	--	--	--	--			17 A / 17 A	--	--	--	--	6
7	TXK - 225 kVA, 115C Rise	3	350 A	#500kcm	244 A / 37 A			#1/0	125 A	3	TXDL - 75 kVA, 115C Rise	8
9	--	--	--	--		247 A / 37 A		--	--	--	--	10
11	--	--	--	--			244 A / 36 A	--	--	--	--	12
13	Panel DHAC2	3	250 A	#250kcm	140 A / 137 A			#250kcm	250 A	3	Panel DHAC	14
15	--	--	--	--		140 A / 137 A		--	--	--	--	16
17	--	--	--	--			140 A / 137 A	--	--	--	--	18
19	DISHMACHINE in KITCHEN 69	3	40 A	#8	28 A / 222 A			(2)#3/0	400 A	3	Panel DHAC3	20
21	--	--	--	--		28 A / 222 A		--	--	--	--	22
23	--	--	--	--			28 A / 222 A	--	--	--	--	24
25	BOOSTER HEATER in KITCHEN 69	3	40 A	#8	29 A / 0 A			--	--	1	SPACE	26
27	--	--	--	--		29 A / 0 A		--	--	1	SPACE	28
29	--	--	--	--			29 A / 0 A	--	--	1	SPACE	30
31	SPACE	1	--	--	0 A / 0 A			--	--	1	SPACE	32
33	SPACE	1	--	--		0 A / 0 A		--	--	1	SPACE	34
35	SPACE	1	--	--			0 A / 0 A	--	--	1	SPACE	36
37	SPARE - 125A	3	--	--	0 A / 0 A			--	--	3	SPARE - 125A	38
39	--	--	--	--		0 A / 0 A		--	--	--	--	40
41	--	--	--	--			0 A / 0 A	--	--	--	--	42

Legend: Phase A,B,C values are in Amps.

Load Classification	Demand Factor	Estimated Demand	Connected Load	Panel Totals	
HVAC	100.00%	350503 VA	350503 VA		
Kitchen	65.00%	158881 VA	244432 VA	Total Conn. Load:	723883 VA
Lighting	125.00%	17739 VA	14191 VA	Total Est. Demand:	636468 VA
Motor	100.00%	73831 VA	73831 VA	Total Conn.:	871 A
NonLinear Tech	94.43%	12153 VA	12870 VA	Total Est. Demand:	766 A
Power	100.00%	6685 VA	6685 VA		
Receptacles	74.15%	15350 VA	20700 VA		
Water Heating	125.00%	1875 VA	1500 VA		
INTERIOR LIGHTING	125.00%	880 VA	704 VA		

Panel - DH

Bus - 125 A / MCB - 125 A
Fed From - **DDP**
Service - **480/277 3ph 4w**
In Room - **CUSTODIAL OFFICE 76**
Mount - **Surface Mnt / NEMA 1**
Branch AIC - **22,000 AIC**
Total Demand Load - **22 A**
% Imbalance - **6**

Notes:, ** See Riser Diagram for feeder info. **

#	Load Name	P	Bkr	Wire	A	B	C	Wire	Bkr	P	Load Name	#
1	Canopy/Soffit Lighting Thru M.H. Contactor	1	20 A	#12	0 A / 1 A			#12	20 A	1	Canopy/Soffit Lighting Thru M.H. Contactor	2
3	INTERIOR LIGHTING	1	20 A	#12		6 A / 9 A		#12	20 A	1	INTERIOR LIGHTING in CUSTODIAL OFFICE 76	4
5	Wall Packs Thru M.H. Contactor	1	20 A	#12			1 A / 1 A	#12	20 A	1	Wall Packs Thru M.H. Contactor	6
7	INTERIOR LIGHTING	1	20 A	#12	4 A / 10 A			#12	20 A	1	INTERIOR LIGHTING	8
9	SPACE	1	--	--		0 A / 0 A		--	--	1	SPACE	10
11	INTERIOR LIGHTING in COUNSELOR 105	1	20 A	#12			7 A / 9 A	#12	20 A	1	INTERIOR LIGHTING in SUPPORT 111	12
13	Parking Lot Lighting Thru M.H. Contactor	2	20 A	#12	4 A / 0 A			--	--	1	SPACE	14
15	--	--	--	--		4 A / 0 A		--	--	1	SPACE	16
17	SPACE	1	--	--			0 A / 0 A	--	--	1	SPACE	18
19	SPACE	1	--	--	0 A / 0 A			--	--	1	SPACE	20
21	SPACE	1	--	--		0 A / 0 A		--	--	1	SPACE	22
23	SPACE	1	--	--			0 A / 0 A	--	--	1	SPACE	24
25	SPACE	1	--	--	0 A / 0 A			--	--	1	SPACE	26
27	SPACE	1	--	--		0 A / 0 A		--	--	1	SPACE	28
29	SPACE	1	--	--			0 A / 0 A	--	--	1	SPACE	30
31	SPACE	1	--	--	0 A / 0 A			--	--	1	SPACE	32
33	SPACE	1	--	--		0 A / 0 A		--	--	1	SPACE	34
35	SPACE	1	--	--			0 A / 0 A	--	--	1	SPACE	36
37	SPARE - 20A	1	--	--	0 A / 0 A			--	--	1	SPARE - 20A	38
39	SPARE - 20A	1	--	--		0 A / 0 A		--	--	1	SPARE - 20A	40
41	SPARE - 20A	1	--	--			0 A / 0 A	--	--	1	SPARE - 20A	42

Legend: Phase A,B,C values are in Amps.

Load Classification	Demand Factor	Estimated Demand	Connected Load	Panel Totals	
Lighting	125.00%	17739 VA	14191 VA		
INTERIOR LIGHTING	125.00%	880 VA	704 VA	Total Conn. Load:	14882 VA
				Total Est. Demand:	18602 VA
				Total Conn.:	18 A
				Total Est. Demand:	22 A

Panel - DHAC

Bus - 250 A / MLO - 0 A
Fed From - **DDP**
Service - **480/277 3ph 4w**
In Room - **CUSTODIAL OFFICE 76**
Mount - **Surface Mnt / NEMA 1**
Branch AIC - **25,000 AIC**
Total Demand Load - **137 A**
% Imbalance - **0**

Notes:, ** See Riser Diagram for feeder info. **

#	Load Name	P	Bkr	Wire	A	B	C	Wire	Bkr	P	Load Name	#
1	#A116 - RTU-4T - Thru 30A Disc. - 20A Fuses	3	20 A	#12	14 A / 14 A			#12	20 A	3	#A103 - RTU-5T - Thru 30A Disc. - 20A Fuses	2
3	--	--	--	--		14 A / 14 A		--	--	--	--	4
5	--	--	--	--			14 A / 14 A	--	--	--	--	6
7	#A115 - RTU-5T - Thru 30A Disc. - 20A Fuses	3	20 A	#12	14 A / 14 A			#12	20 A	3	#A111 - RTU-5T - Thru 30A Disc. - 20A Fuses	8
9	--	--	--	--		14 A / 14 A		--	--	--	--	10
11	--	--	--	--			14 A / 14 A	--	--	--	--	12
13	#A114 - RTU-4T - Thru 30A Disc. - 20A Fuses	3	20 A	#12	14 A / 14 A			#12	20 A	3	#A117 - RTU-5T - Thru 30A Disc. - 20A Fuses	14
15	--	--	--	--		14 A / 14 A		--	--	--	--	16
17	--	--	--	--			14 A / 14 A	--	--	--	--	18
19	#A101 - RTU-5T - Thru 30A Disc. - 20A Fuses	3	20 A	#10	14 A / 14 A			#12	20 A	3	#A121 - RTU-5T - Thru 30A Disc. - 20A Fuses	20
21	--	--	--	--		14 A / 14 A		--	--	--	--	22
23	--	--	--	--			14 A / 14 A	--	--	--	--	24
25	#A113 - RTU-3T - Thru 30A Disc. - 15A Fuses	3	20 A	#12	11 A / 14 A			#12	20 A	3	#A122 - RTU-4T - Thru 30A Disc. - 20A Fuses	26
27	--	--	--	--		11 A / 14 A		--	--	--	--	28
29	--	--	--	--			11 A / 14 A	--	--	--	--	30
31	SPACE	1	--	--	0 A / 0 A			--	--	1	SPACE	32
33	SPACE	1	--	--		0 A / 0 A		--	--	1	SPACE	34
35	SPACE	1	--	--			0 A / 0 A	--	--	1	SPACE	36
37	SPARE - 20A	1	--	--	0 A / 0 A			--	--	1	SPARE - 20A	38
39	SPARE - 20A	1	--	--		0 A / 0 A		--	--	1	SPARE - 20A	40
41	SPARE - 20A	1	--	--			0 A / 0 A	--	--	1	SPARE - 20A	42

Legend: Phase A,B,C values are in Amps.

Load Classification	Demand Factor	Estimated Demand	Connected Load	Panel Totals	
HVAC	100.00%	102260 VA	102260 VA		
Motor	100.00%	11639 VA	11639 VA	Total Conn. Load:	113900 VA
				Total Est. Demand:	113900 VA
				Total Conn.:	137 A
				Total Est. Demand:	137 A

Panel - DHAC2

Bus - 250 A / MLO - 0 A
Fed From - **DDP**
Service - **480/277 3ph 4w**
In Room - **CUSTODIAL OFFICE 76**
Mount - **Surface Mnt / NEMA 1**
Branch AIC - **22,000 AIC**
Total Demand Load - **140 A**
% Imbalance - **0**

Notes:, ** See Riser Diagram for feeder info. **

#	Load Name	P	Bkr	Wire	A	B	C	Wire	Bkr	P	Load Name	#
1	#A123 - RTU-4T - Thru 30A Disc. - 20A Fuses	3	20 A	#12	14 A / 14 A			#12	20 A	3	#A132 - RTU-4T - Thru 30A Disc. - 20A Fuses	2
3	--	--	--	--		14 A / 14 A		--	--	--	--	4
5	--	--	--	--			14 A / 14 A	--	--	--	--	6
7	#A128 - RTU-4T - Thru 30A Disc. - 20A Fuses	3	20 A	#12	14 A / 14 A			#12	20 A	3	#A137 - RTU-5T - Thru 30A Disc. - 20A Fuses	8
9	--	--	--	--		14 A / 14 A		--	--	--	--	10
11	--	--	--	--			14 A / 14 A	--	--	--	--	12
13	#A118 - RTU-4T - Thru 30A Disc. - 20A Fuses	3	20 A	#12	14 A / 14 A			#12	20 A	3	#A125 - RTU-4T - Thru 30A Disc. - 20A Fuses	14
15	--	--	--	--		14 A / 14 A		--	--	--	--	16
17	--	--	--	--			14 A / 14 A	--	--	--	--	18
19	#A130 - RTU-5T - Thru 30A Disc. - 20A Fuses	3	20 A	#12	14 A / 14 A			#12	20 A	3	#A136 - RTU-4T - Thru 30A Disc. - 20A Fuses	20
21	--	--	--	--		14 A / 14 A		--	--	--	--	22
23	--	--	--	--			14 A / 14 A	--	--	--	--	24
25	#A138 - RTU-5T - Thru 30A Disc. - 20A Fuses	3	20 A	#12	14 A / 14 A			#12	20 A	3	#A134 - RTU-5T - Thru 30A Disc. - 20A Fuses	26
27	--	--	--	--		14 A / 14 A		--	--	--	--	28
29	--	--	--	--			14 A / 14 A	--	--	--	--	30
31	SPACE	1	--	--	0 A / 0 A			--	--	1	SPACE	32
33	SPACE	1	--	--		0 A / 0 A		--	--	1	SPACE	34
35	SPACE	1	--	--			0 A / 0 A	--	--	1	SPACE	36
37	SPARE - 20A	1	--	--	0 A / 0 A			--	--	1	SPARE - 20A	38
39	SPARE - 20A	1	--	--		0 A / 0 A		--	--	1	SPARE - 20A	40
41	SPARE - 20A	1	--	--			0 A / 0 A	--	--	1	SPARE - 20A	42

Legend: Phase A,B,C values are in Amps.

Load Classification	Demand Factor	Estimated Demand	Connected Load	Panel Totals	
HVAC	100.00%	104754 VA	104754 VA		
Motor	100.00%	11639 VA	11639 VA	Total Conn. Load:	116394 VA
				Total Est. Demand:	116394 VA
				Total Conn.:	140 A
				Total Est. Demand:	140 A

Panel - DHAC3

Bus - 400 A / MLO - 0 A
Fed From - **DDP**
Service - **480/277 3ph 4w**
In Room - **CUSTODIAL OFFICE 76**
Mount - **Surface Mnt / NEMA 1**
Branch AIC - **25,000 AIC**
Total Demand Load - **222 A**
% Imbalance - **0**

Notes:, ** See Riser Diagram for feeder info. **

#	Load Name	P	Bkr	Wire	A	B	C	Wire	Bkr	P	Load Name	#
1	#D105 - RTU-4T - Thru 30A Disc. - 20A Fuses	3	20 A	#12	14 A / 3 A			#12	20 A	3	EF #D106B	2
3	--	--	--	--		14 A / 3 A		--	--	--	--	4
5	--	--	--	--			14 A / 3 A	--	--	--	--	6
7	#D103 - RTU-4T - Thru 30A Disc. - 20A Fuses	3	20 A	#12	14 A / 36 A			#6	50 A	3	#D107B - RTU-12.5T - Thru 60A Disc. - 45A Fuses	8
9	--	--	--	--		14 A / 36 A		--	--	--	--	10
11	--	--	--	--			14 A / 36 A	--	--	--	--	12
13	#D101 - RTU-3TC - Thru 30A Disc. - 15A Fuses	3	20 A	#12	11 A / 36 A			#6	50 A	3	#D107A - RTU-12.5T - Thru 60A Disc. - 45A Fuses	14
15	--	--	--	--		11 A / 36 A		--	--	--	--	16
17	--	--	--	--			11 A / 36 A	--	--	--	--	18
19	#D106B - RTU-5T - Thru 30A Disc. - 20A Fuses	3	20 A	#12	14 A / 74 A			#3	80 A	3	#D106.1 - OAU-4300 - Thru 100A Disc. - 80A Fuses	20
21	--	--	--	--		14 A / 74 A		--	--	--	--	22
23	--	--	--	--			14 A / 74 A	--	--	--	--	24
25	EF #D106A	3	20 A	#12	3 A / 16 A			#10	30 A	3	#D109 - RTU-6T - Thru 30A Disc. - 25A Fuses	26
27	--	--	--	--		3 A / 16 A		--	--	--	--	28
29	--	--	--	--			3 A / 16 A	--	--	--	--	30
31	SPACE	1	--	--	0 A / 0 A			--	--	1	SPACE	32
33	SPACE	1	--	--		0 A / 0 A		--	--	1	SPACE	34
35	SPACE	1	--	--			0 A / 0 A	--	--	1	SPACE	36
37	SPARE - 20A	1	--	--	0 A / 0 A			--	--	1	SPARE - 20A	38
39	SPARE - 20A	1	--	--		0 A / 0 A		--	--	1	SPARE - 20A	40
41	SPARE - 20A	1	--	--			0 A / 0 A	--	--	1	SPARE - 20A	42

Legend: Phase A,B,C values are in Amps.

Load Classification	Demand Factor	Estimated Demand	Connected Load	Panel Totals	
HVAC	100.00%	117225 VA	117225 VA		
Motor	100.00%	67339 VA	67339 VA	Total Conn. Load:	184564 VA
				Total Est. Demand:	184564 VA
				Total Conn.:	222 A
				Total Est. Demand:	222 A

Panel - DC

Bus - 125 A / MCB - 125 A
Fed From - **TXDC**
Service - **120/208 3ph 4w**
In Room - **CUSTODIAL OFFICE 76**
Mount - **Surface Mnt / NEMA 1**
Branch AIC - **14,000 AIC**
Total Demand Load - **37 A**
% Imbalance - **2**

Notes:, ** See Riser Diagram for feeder info. **

#	Load Name	P	Bkr	Wire	A	B	C	Wire	Bkr	P	Load Name	#
1	NonLinear Outlet	1	20 A	#12	3 A / 3 A			#12	20 A	1	NonLinear Outlet	2
3	AV Screen in CAFETERIA 72	1	20 A	#12		4 A / 4 A		#12	20 A	1	AV Screen in CAFETERIA 72	4
5	NonLinear Outlet & AV Screen in RESTROOM 154	1	20 A	#12			7 A / 10 A	#8	20 A	1	Tech - Amplifier	6
7	NonLinear Outlet	1	20 A	#10	6 A / 6 A			#10	20 A	1	NonLinear Outlet	8
9	Projector & NonLinear Outlet	1	20 A	#8		9 A / 7 A		#12	20 A	1	NonLinear Outlet & AV Screen	10
11	NonLinear Outlet & AV Screen in SUPPORT 111	1	20 A	#10			7 A / 7 A	#10	20 A	1	NonLinear Outlet & AV Screen	12
13	NonLinear Outlet & AV Screen in 1ST GRADE CLASSROOM 48	1	20 A	#12	7 A / 7 A			#12	20 A	1	NonLinear Outlet & AV Screen	14
15	NonLinear Outlet & AV Screen	1	20 A	#10		7 A / 7 A		#12	20 A	1	NonLinear Outlet & AV Screen	16
17	NonLinear Outlet & AV Screen	1	20 A	#12			7 A / 0 A	--	--	1	SPACE	18
19	NonLinear Outlet & AV Screen	1	20 A	#10	7 A / 0 A			--	--	1	SPACE	20
21	SPACE	1	--	--		0 A / 0 A		--	--	1	SPACE	22
23	SPACE	1	--	--			0 A / 0 A	--	--	1	SPACE	24
25	SPACE	1	--	--	0 A / 0 A			--	--	1	SPACE	26
27	SPACE	1	--	--		0 A / 0 A		--	--	1	SPACE	28
29	SPACE	1	--	--			0 A / 0 A	--	--	1	SPACE	30
31	SPACE	1	--	--	0 A / 0 A			--	--	1	SPACE	32
33	SPACE	1	--	--		0 A / 0 A		--	--	1	SPACE	34
35	SPACE	1	--	--			0 A / 0 A	--	--	1	SPACE	36
37	SPD - 60A	3	--	--	0 A / 0 A			--	--	1	SPARE - 20A	38
39	--	--	--	--		0 A / 0 A		--	--	1	SPARE - 20A	40
41	--	--	--	--			0 A / 0 A	--	--	1	SPARE - 20A	42

Legend: Phase A,B,C values are in Amps.

Load Classification	Demand Factor	Estimated Demand	Connected Load	Panel Totals	
NonLinear Tech	94.43%	12153 VA	12870 VA		
Power	100.00%	1200 VA	1200 VA	Total Conn. Load:	14070 VA
				Total Est. Demand:	13353 VA
				Total Conn.:	39 A
				Total Est. Demand:	37 A

Panel - DL

Bus - 250 A / MCB - 250 A
Fed From - **TXDL**
Service - **120/208 3ph 4w**
In Room - **CUSTODIAL OFFICE 76**
Mount - **Surface Mnt / NEMA 1**
Branch AIC - **14,000 AIC**
Total Demand Load - **72 A**
% Imbalance - **3**

Notes:, ** See Riser Diagram for feeder info. **

#	Load Name	P	Bkr	Wire	A	B	C	Wire	Bkr	P	Load Name	#
1	Energy Management Controls (EMCS) in CUSTODIAL OFFICE 76	1	20 A	#12	4 A / 4 A			#12	20 A	1	Fire Alarm Safety Function Devices in CUSTODIAL OFFICE 76	2
3	Receptacles	1	20 A	#12		5 A / 9 A		#10	20 A	1	Receptacles & Door Access Control & Receptacles - GFCI in...	4
5	Receptacles & Receptacles - GFCI in VEST. 118	1	20 A	#10			8 A / 8 A	#8	20 A	1	Receptacles & Receptacles - GFCI & Door Access Control in PRE-...	6
7	EF #A128.1 & Plumbing Sensor	1	20 A	#12	1 A / 9 A			#8	20 A	1	Receptacles - GFCI & Receptacles	8
9	Receptacles - GFCI & Receptacles	1	20 A	#8		9 A / 1 A		#12	20 A	1	EF #A134 & Plumbing Sensor	10
11	Receptacles - GFCI & Receptacles	1	20 A	#10			9 A / 9 A	#10	20 A	1	Receptacles - GFCI & Receptacles	12
13	UH #D102	2	20 A	#12	14 A / 1 A			#12	20 A	1	EF #A132.1 & Plumbing Sensor	14
15	--	--	--	--		14 A / 3 A		#12	20 A	1	Receptacles in 1ST GRADE COMMON AREA 26	16
17	EF #A136.1 & Plumbing Sensor	1	20 A	#12			1 A / 3 A	#12	20 A	1	Receptacles in CAFETERIA 72	18
19	Receptacles in 1ST GRADE COMMON AREA 26	1	20 A	#12	3 A / 4 A			#12	20 A	1	Backflow Preventer	20
21	Receptacles - GFCI & Receptacles in RESTROOM 154	1	20 A	#10		9 A / 9 A		#12	20 A	1	Receptacles - GFCI & Receptacles in 1ST GRADE CLASSROOM...	22
23	Receptacles - GFCI & Receptacles in SUPPORT 111	1	20 A	#8			9 A / 9 A	#12	20 A	1	Receptacles - GFCI & Receptacles in 1ST GRADE CLASSROOM...	24
25	Receptacles - GFCI & Receptacles in 1ST GRADE CLASSROOM...	1	20 A	#10	9 A / 9 A			#8	20 A	1	Receptacles - GFCI & Receptacles	26
27	SPACE	1	--	--		0 A / 0 A		--	--	1	SPACE	28
29	SPACE	1	--	--			0 A / 0 A	--	--	1	SPACE	30
31	SPARE - 20A	1	--	--	0 A / 0 A			--	--	1	SPACE	32
33	SPARE - 20A	1	--	--		0 A / 0 A		--	--	1	SPACE	34
35	SPARE - 20A	1	--	--			0 A / 0 A	--	--	1	SPACE	36
37	Panel DL2	3	125 A	#1/0	29 A / 0 A			--	--	1	SPARE - 20A	38
39	--	--	--	--		28 A / 0 A		--	--	1	SPARE - 20A	40
41	--	--	--	--			29 A / 0 A	--	--	1	SPARE - 20A	42

Legend: Phase A,B,C values are in Amps.

Load Classification	Demand Factor	Estimated Demand	Connected Load	Panel Totals	
HVAC	100.00%	3000 VA	3000 VA		
Motor	100.00%	3982 VA	3982 VA	Total Conn. Load:	30693 VA
Power	100.00%	4290 VA	4290 VA	Total Est. Demand:	25974 VA
Receptacles	75.72%	14720 VA	19440 VA	Total Conn.:	85 A
				Total Est. Demand:	72 A

Panel - DL2

Bus - 125 A / MLO - 0 A
Fed From - **DL**
Service - **120/208 3ph 4w**
In Room - **CUSTODIAL OFFICE 76**
Mount - **Surface Mnt / NEMA 1**
Branch AIC - **14,000 AIC**
Total Demand Load - **29 A**
% Imbalance - **2**

Notes:, ** See Riser Diagram for feeder info. **

#	Load Name	P	Bkr	Wire	A	B	C	Wire	Bkr	P	Load Name	#
1	EF #A137.1 & Plumbing Sensor	1	20 A	#12	1 A / 2 A			#12	20 A	1	Receptacles - GFCI	2
3	Receptacles	1	20 A	#10		3 A / 6 A		#10	20 A	1	Receptacles in STORAGE 87	4
5	Receptacles - GFCI	1	20 A	#12			2 A / 7 A	#10	20 A	1	EWC on GFCI BKR in CAFETERIA 72	6
7	Receptacles	1	20 A	#12	3 A / 6 A			#10	20 A	1	Receptacles	8
9	ROOFTOP MAINTENANCE OUTLET	1	20 A	#10		9 A / 5 A		#12	20 A	1	Receptacles in CAFETERIA 72	10
11	Motorized Projection Screen	1	20 A	#8			10 A / 5 A	#12	20 A	1	Receptacles in CAFETERIA 72	12
13	EWC on GFCI BKR	1	20 A	#12	7 A / 5 A			#12	20 A	1	Receptacles	14
15	Motorized Shades in CAFETERIA 72	1	20 A	#12		6 A / 0 A		--	--	1	SPACE	16
17	Motorized Shades in CAFETERIA 72	1	20 A	#12			6 A / 0 A	--	--	1	SPACE	18
19	Motorized Shades	1	20 A	#12	6 A / 0 A			--	--	1	SPACE	20
21	SPACE	1	--	--		0 A / 0 A		--	--	1	SPACE	22
23	SPACE	1	--	--			0 A / 0 A	--	--	1	SPACE	24
25	SPACE	1	--	--	0 A / 0 A			--	--	1	SPACE	26
27	SPACE	1	--	--		0 A / 0 A		--	--	1	SPACE	28
29	SPACE	1	--	--			0 A / 0 A	--	--	1	SPACE	30
31	SPACE	1	--	--	0 A / 0 A			--	--	1	SPACE	32
33	SPACE	1	--	--		0 A / 0 A		--	--	1	SPACE	34
35	SPACE	1	--	--			0 A / 0 A	--	--	1	SPACE	36
37	SPARE - 20A	1	--	--	0 A / 0 A			--	--	1	SPARE - 20A	38
39	SPARE - 20A	1	--	--		0 A / 0 A		--	--	1	SPARE - 20A	40
41	SPARE - 20A	1	--	--			0 A / 0 A	--	--	1	SPARE - 20A	42

Legend: Phase A,B,C values are in Amps.

Load Classification	Demand Factor	Estimated Demand	Connected Load	Panel Totals	
Motor	100.00%	3484 VA	3484 VA		
Power	100.00%	2740 VA	2740 VA	Total Conn. Load:	10354 VA
Receptacles	100.00%	4140 VA	4140 VA	Total Est. Demand:	10354 VA
				Total Conn.:	29 A
				Total Est. Demand:	29 A

Panel - K

Bus - 800 A / MCB - 800 A
Fed From - **TXK**
Service - **120/208 3ph 4w**
In Room - **CUSTODIAL OFFICE 76**
Mount - **Surface Mnt / NEMA 1**
Branch AIC - **18,000 AIC**
Total Demand Load - **375 A**
% Imbalance - **1**

Notes:, ** See Riser Diagram for feeder info. **

#	Load Name	P	Bkr	Wire	A	B	C	Wire	Bkr	P	Load Name	#
1	Panel K4 - w/Main CB	3	225 A	#4/0	96 A / 0 A			--	--	1	SPACE	2
3	--	--	--	--		103 A / 90 A		#4/0	225 A	3	Panel K2 - w/Main CB	4
5	--	--	--	--			96 A / 91 A	--	--	--	--	6
7	Panel K3 - w/Main CB	3	225 A	#4/0	126 A / 90 A			--	--	--	--	8
9	--	--	--	--		126 A / 11 A		#12	20 A	3	DISPOSER in KITCHEN 69	10
11	--	--	--	--			127 A / 11 A	--	--	--	--	12
13	REFRIGERATION SYSTEM	3	50 A	#6	40 A / 11 A			--	--	--	--	14
15	--	--	--	--		40 A / 100 A		#1/0	150 A	3	LOAD CENTER in RESTROOM 82	16
17	--	--	--	--			40 A / 100 A	--	--	--	--	18
19	LOAD CENTER in RESTROOM 82	3	150 A	#1/0	100 A / 100 A			--	--	--	--	20
21	--	--	--	--		100 A / 0 A		--	--	1	SPACE	22
23	--	--	--	--			100 A / 0 A	--	--	1	SPACE	24
25	SPACE	1	--	--	0 A / 0 A			--	--	1	SPACE	26
27	SPACE	1	--	--		0 A / 0 A		--	--	1	SPACE	28
29	SPACE	1	--	--			0 A / 0 A	--	--	1	SPACE	30
31	SPACE	1	--	--	0 A / 0 A			--	--	1	SPACE	32
33	SPACE	1	--	--		0 A / 0 A		--	--	1	SPACE	34
35	SPACE	1	--	--			0 A / 0 A	--	--	1	SPACE	36
37	SPARE - 20A	3	--	--	0 A / 0 A			--	--	3	SPARE - 225A	38
39	--	--	--	--		0 A / 0 A		--	--	--	--	40
41	--	--	--	--			0 A / 0 A	--	--	--	--	42

Legend: Phase A,B,C values are in Amps.

Load Classification	Demand Factor	Estimated Demand	Connected Load	Panel Totals	
Kitchen	65.00%	128186 VA	197210 VA		
Motor	100.00%	2525 VA	2525 VA	Total Conn. Load:	203665 VA
Power	100.00%	1195 VA	1195 VA	Total Est. Demand:	135015 VA
Receptacles	100.00%	1260 VA	1260 VA	Total Conn.:	565 A
Water Heating	125.00%	1875 VA	1500 VA	Total Est. Demand:	375 A

Panel - K2

Bus - 225 A / MCB - 225 A
Fed From - **K**
Service - **120/208 3ph 4w**
In Room - **KITCHEN 69**
Mount - **Flush Mnt / NEMA 1**
Branch AIC - **14,000 AIC**
Total Demand Load - **59 A**
% Imbalance - **0**

Notes:PROVIDE SHUNT TRIP ON MAIN BREAKER. PROVIDE STAINLESS STEEL FLUSH MOUNT COVER., ** See Riser Diagram for feeder info. **

#	Load Name	P	Bkr	Wire	A	B	C	Wire	Bkr	P	Load Name	#
1	TILT BRAISING PAN in KITCHEN 69	1	20 A	#12	1 A / 6 A			#12	20 A	1	CONVECTION OVEN in KITCHEN 69	2
3	FOOD PROCESSOR in KITCHEN 69	1	20 A	#12		4 A / 4 A		#12	20 A	1	4 BURNER RANGE in KITCHEN 69	4
5	CONVECTION STEAMER in KITCHEN 69	1	20 A	#12			4 A / 9 A	#12	20 A	1	REFRIGERATOR in RESTROOM 82	6
7	HOT WATER DISPENSER in KITCHEN 69	2	40 A	#8	24 A / 4 A			#12	20 A	1	CONVECTION STEAMER in KITCHEN 69	8
9	--	--	--	--		24 A / 4 A		#12	20 A	1	CONVECTION STEAMER	10
11	HEATED CABINET in RESTROOM 82	1	20 A	#12			16 A / 4 A	#12	20 A	1	CONVECTION STEAMER in KITCHEN 69	12
13	CONVECTION OVEN in KITCHEN 69	1	20 A	#12	6 A / 24 A			#8	40 A	2	HOT WATER DISPENSER in KITCHEN 69	14
15	CONVECTION OVEN in KITCHEN 69	1	20 A	#12		6 A / 24 A		--	--	--	--	16
17	CONVECTION OVEN in KITCHEN 69	1	20 A	#12			6 A / 24 A	#8	40 A	2	HOT WATER DISPENSER in KITCHEN 69	18
19	SPACE	1	--	--	0 A / 24 A			--	--	--	--	20
21	HOT WATER DISPENSER in KITCHEN 69	2	40 A	#8		24 A / 11 A		#12	20 A	3	DISPOSER in KITCHEN 69	22
23	--	--	--	--			24 A / 11 A	--	--	--	--	24
25	SPACE	1	--	--	0 A / 11 A			--	--	--	--	26
27	SPACE	1	--	--		0 A / 0 A		--	--	1	SPACE	28
29	SPACE	1	--	--			0 A / 0 A	--	--	1	SPACE	30
31	SPACE	1	--	--	0 A / 0 A			--	--	1	SPACE	32
33	SPACE	1	--	--		0 A / 0 A		--	--	1	SPACE	34
35	SPACE	1	--	--			0 A / 0 A	--	--	1	SPACE	36
37	SPARE - 20A	1	--	--	0 A / 0 A			--	--	1	SPARE - 20A	38
39	SPARE - 20A	1	--	--		0 A / 0 A		--	--	1	SPARE - 20A	40
41	SPARE - 20A	1	--	--			0 A / 0 A	--	--	1	SPARE - 20A	42

Legend: Phase A,B,C values are in Amps.

Load Classification	Demand Factor	Estimated Demand	Connected Load	Panel Totals	
Kitchen	65.00%	21155 VA	32547 VA		
				Total Conn. Load:	32547 VA
				Total Est. Demand:	21155 VA
				Total Conn.:	90 A
				Total Est. Demand:	59 A

Count

Item	Count	Item	Count	Item	Count	Item	Count
#12 Homerun	86EA	#6 Homerun	4EA	#4/0 Homerun	3EA	#250kcmil Homerun	2EA
#10 Homerun	19EA	#1/0 Homerun	5EA	(3) 300kc Homerun	2EA	#500kcmil Honmerun	1EA
#8 Homerun	14EA	(2) #3/0 Homerun	3EA	(4) 250kc Homerun	1EA		

Panel - CH

Bus - 125 A / MCB - 125 A

Fed From - **CDP** | Service - **480/277 3ph 4w**

In Room - **CONTROL ROOM 138**
Mount - **Surface Mnt / NEMA 1**
Branch AIC - **22,000 AIC**
Total Demand Load - **20 A**
% Imbalance - **8**

Notes:, ** See Riser Diagram for feeder info. **

#	Load Name	P	Bkr	Wire	A	B	C	Wire	Bkr	P	Load Name	#
1	Wall Packs Thru M.H. Contactor	1	20 A	#12	1A/10A			#12	20 A	1	INTERIOR LIGHTING in 5TH LIB. CLOSET 121	2
3	Canopy/Soffit Lighting Thru M.H. Contactor	1	20 A	#12		1A/8A		#12	20 A	1	INTERIOR LIGHTING in STORAGE 139	4
5	INTERIOR LIGHTING in VEST. 115	1	20 A	#12			7A/10A	#12	20 A	1	INTERIOR LIGHTING in 5TH GRADE CLASSROOM 17	6
7	Parking Lot Lighting Thru M.H. Contactor	2	20 A	#10	6A/0A			--	--	1	SPACE	8
9	--	--	--	--		6A/0A		--	--	1	SPACE	10
11	SPACE	1	--	--			0A/0A	--	--	1	SPACE	12
13	SPACE	1	--	--	0A/0A			--	--	1	SPACE	14
15	SPACE	1	--	--		0A/0A		--	--	1	SPACE	16
17	SPACE	1	--	--			0A/0A	--	--	1	SPACE	18
19	SPACE	1	--	--	0A/0A			--	--	1	SPACE	20
21	SPACE	1	--	--		0A/0A		--	--	1	SPACE	22
23	SPACE	1	--	--			0A/0A	--	--	1	SPACE	24
25	SPACE	1	--	--	0A/0A			--	--	1	SPACE	26
27	SPACE	1	--	--		0A/0A		--	--	1	SPACE	28
29	SPACE	1	--	--			0A/0A	--	--	1	SPACE	30
31	SPACE	1	--	--	0A/0A			--	--	1	SPACE	32
33	SPACE	1	--	--		0A/0A		--	--	1	SPACE	34
35	SPACE	1	--	--			0A/0A	--	--	1	SPACE	36
37	SPARE - 20A	1	--	--	0A/0A			--	--	1	SPARE - 20A	38
39	SPARE - 20A	1	--	--		0A/0A		--	--	1	SPARE - 20A	40
41	SPARE - 20A	1	--	--			0A/0A	--	--	1	SPARE - 20A	42

Legend: Phase A,B,C values are in Amps.

Load Classification	Demand Factor	Estimated Demand	Connected Load	Panel Totals	
Lighting	125.00%	16305 VA	13044 VA		
				Total Conn. Load:	**13044 VA**
				Total Est. Demand:	**16305 VA**
				Total Conn.:	**16 A**
				Total Est. Demand:	**20 A**

Panel - CC2

Bus - 125 A / MLO - 0 A

Fed From - **CC** | Service - **120/208 3ph 4w**

In Room - **CONTROL ROOM 138**
Mount - **Surface Mnt / NEMA 1**
Branch AIC - **14,000 AIC**
Total Demand Load - **23 A**
% Imbalance - **19**

Notes:, ** See Riser Diagram for feeder info. **

#	Load Name	P	Bkr	Wire	A	B	C	Wire	Bkr	P	Load Name	#
1	AV Screen in RESOURCE 68	1	20 A	#12	4A/7A			#12	20 A	1	AV Screen & NonLinear Outlet	2
3	NonLinear Outlet	1	20 A	#10		6A/6A		#10	20 A	1	NonLinear Outlet	4
5	NonLinear Outlet & AV Screen	1	20 A	#12			7A/7A	#10	20 A	1	NonLinear Outlet & AV Screen in 4TH GRADE CLASSROOM 31	6
7	NonLinear Outlet & AV Screen	1	20 A	#10	7A/6A			#12	20 A	1	NonLinear Outlet	8
9	NonLinear Outlet	1	20 A	#10		6A/6A		#12	20 A	1	NonLinear Outlet	10
11	NonLinear Outlet	1	20 A	#10			6A/0A	--	--	1	SPACE	12
13	SPACE	1	--	--	0A/0A			--	--	1	SPACE	14
15	SPACE	1	--	--		0A/0A		--	--	1	SPACE	16
17	SPACE	1	--	--			0A/0A	--	--	1	SPACE	18
19	SPACE	1	--	--	0A/0A			--	--	1	SPACE	20
21	SPACE	1	--	--		0A/0A		--	--	1	SPACE	22
23	SPACE	1	--	--			0A/0A	--	--	1	SPACE	24
25	SPACE	1	--	--	0A/0A			--	--	1	SPACE	26
27	SPACE	1	--	--		0A/0A		--	--	1	SPACE	28
29	SPACE	1	--	--			0A/0A	--	--	1	SPACE	30
31	SPACE	1	--	--	0A/0A			--	--	1	SPACE	32
33	SPACE	1	--	--		0A/0A		--	--	1	SPACE	34
35	SPACE	1	--	--			0A/0A	--	--	1	SPACE	36
37	SPD - 60A	3	--	--	0A/0A			--	--	1	SPARE - 20A	38
39	--	--	--	--		0A/0A		--	--	1	SPARE - 20A	40
41	--	--	--	--			0A/0A	--	--	1	SPARE - 20A	42

Legend: Phase A,B,C values are in Amps.

Load Classification	Demand Factor	Estimated Demand	Connected Load	Panel Totals	
NonLinear Tech	100.00%	8260 VA	8260 VA		
				Total Conn. Load:	**8260 VA**
				Total Est. Demand:	**8260 VA**
				Total Conn.:	**23 A**
				Total Est. Demand:	**23 A**

Panel - K3

Bus - 225 A / MCB - 225 A

Fed From - **K** | Service - **120/208 3ph 4w**

In Room - **KITCHEN 69**
Mount - **Flush Mnt / NEMA 1**
Branch AIC - **14,000 AIC**
Total Demand Load - **83 A**
% Imbalance - **1**

Notes:PROVIDE STAINLESS STEEL FLUSH MOUNT COVER., ** See Riser Diagram for feeder info. **

#	Load Name	P	Bkr	Wire	A	B	C	Wire	Bkr	P	Load Name	#
1	EF #D106.4, EF #D106.5 & Receptacles - GFCI, Plumbing Sensor	1	20 A	#12	4A/8A			#12	20 A	1	Receptacles	2
3	AIR SCREEN	1	20 A	#12		5A/16A		#12	20 A	1	CLOTHES WASHER in MECHANICAL 83	4
5	ICE MACHINE in KITCHEN 69	1	20 A	#12			12A/30A	#8	40 A	2	CLOTHES DRYER in MECHANICAL 83	6
7	PRESSURE RELIEF PORT	1	20 A	#12	5A/30A			--	--	--	--	8
9	CONVENIENCE OUTLET in KITCHEN 69	1	20 A	#12		16A/5A		#12	20 A	1	PRESSURE RELIEF PORT	10
11	TEMP. ALARM	1	20 A	#12			5A/10A	#12	20 A	1	PANIC ALARM BUTTON	12
13	HOOD LIGHTS in KITCHEN 69	1	20 A	#12	10A/10A			#12	20 A	1	COOLER COIL	14
15	HOOD LIGHTS in KITCHEN 69	1	20 A	#12		10A/10A		#12	20 A	1	HEAT SENSOR in KITCHEN 69	16
17	HEAT SENSOR in KITCHEN 69	1	20 A	#12			10A/16A	#12	20 A	1	REMOTE FILTER SYSTEM in MECHANICAL 83	18
19	CONVENIENCE OUTLET in RESTROOM 82	1	20 A	#12	16A/16A			#12	20 A	1	CONVENIENCE OUTLET in KITCHEN 69	20
21	DOOR HEATER/LIGHTS	1	20 A	#12		16A/16A		#12	20 A	1	CONVENIENCE OUTLET in MECHANICAL 83	22
23	CONVENIENCE OUTLET in RESTROOM 82	1	20 A	#12			16A/16A	#12	20 A	1	CONVENIENCE OUTLET in KITCHEN 69	24
25	CONVENIENCE OUTLET in KITCHEN 69	1	20 A	#10	16A/16A			#12	20 A	1	CONVENIENCE OUTLET in KITCHEN 69	26
27	CONVENIENCE OUTLET in KITCHEN 69	1	20 A	#12		16A/16A		#12	20 A	1	CONVENIENCE OUTLET in KITCHEN 69	28
29	CONVENIENCE OUTLET in KITCHEN 69	1	20 A	#12			16A/0A	--	--	1	SPACE	30
31	SPACE	1	--	--	0A/0A			--	--	1	SPACE	32
33	SPACE	1	--	--		0A/0A		--	--	1	SPACE	34
35	SPACE	1	--	--			0A/0A	--	--	1	SPACE	36
37	SPARE - 20A	1	--	--	0A/0A			--	--	1	SPARE - 20A	38
39	SPARE - 20A	1	--	--		0A/0A		--	--	1	SPARE - 20A	40
41	SPARE - 20A	1	--	--			0A/0A	--	--	1	SPARE - 20A	42

Legend: Phase A,B,C values are in Amps.

Load Classification	Demand Factor	Estimated Demand	Connected Load	Panel Totals	
Kitchen	65.00%	28704 VA	44160 VA		
Motor	100.00%	250 VA	250 VA	**Total Conn. Load:**	**45499 VA**
Power	100.00%	10 VA	10 VA	**Total Est. Demand:**	**30043 VA**
Receptacles	100.00%	1080 VA	1080 VA	**Total Conn.:**	**126 A**
				Total Est. Demand:	**83 A**

Panel - CHAC

Bus - 250 A / MLO - 0 A

Fed From - **CDP** | Service - **480/277 3ph 4w**

In Room - **CONTROL ROOM 138**
Mount - **Surface Mnt / NEMA 1**
Branch AIC - **22,000 AIC**
Total Demand Load - **126 A**
% Imbalance - **0**

Notes:, ** See Riser Diagram for feeder info. **

#	Load Name	P	Bkr	Wire	A	B	C	Wire	Bkr	P	Load Name	#
1	#C108 - RTU-4T - Thru 30A Disc. - 20A Fuses	3	20 A	#12	14A/14A			#12	20 A	3	#C111 - RTU-5T - Thru 30A Disc. - 20A Fuses	2
3	--	--	--	--		14A/14A		--	--	--	--	4
5	--	--	--	--			14A/14A	--	--	--	--	6
7	#C107 - RTU-4T - Thru 30A Disc. - 20A Fuses	3	20 A	#12	14A/14A			#12	20 A	3	#C114 - RTU-5T - Thru 30A Disc. - 20A Fuses	8
9	--	--	--	--		14A/14A		--	--	--	--	10
11	--	--	--	--			14A/14A	--	--	--	--	12
13	#C105 - RTU-4T - Thru 30A Disc. - 20A Fuses	3	20 A	#12	14A/14A			#12	20 A	3	#C103 - RTU-4T - Thru 30A Disc. - 20A Fuses	14
15	--	--	--	--		14A/14A		--	--	--	--	16
17	--	--	--	--			14A/14A	--	--	--	--	18
19	#C104 - RTU-4T - Thru 30A Disc. - 20A Fuses	3	20 A	#12	14A/14A			#12	20 A	3	#C113 - RTU-5T - Thru 30A Disc. - 20A Fuses	20
21	--	--	--	--		14A/14A		--	--	--	--	22
23	--	--	--	--			14A/14A	--	--	--	--	24
25	SPACE	1	--	--	0A/14A			#12	20 A	3	#C112 - RTU-4T - Thru 30A Disc. - 20A Fuses	26
27	SPACE	1	--	--		0A/14A		--	--	--	--	28
29	SPACE	1	--	--			0A/14A	--	--	--	--	30
31	SPACE	1	--	--	0A/0A			--	--	1	SPACE	32
33	SPACE	1	--	--		0A/0A		--	--	1	SPACE	34
35	SPACE	1	--	--			0A/0A	--	--	1	SPACE	36
37	SPARE - 20A	3	--	--	0A/0A			--	--	3	SPARE - 20A	38
39	--	--	--	--		0A/0A		--	--	--	--	40
41	--	--	--	--			0A/0A	--	--	--	--	42

Legend: Phase A,B,C values are in Amps.

Load Classification	Demand Factor	Estimated Demand	Connected Load	Panel Totals	
HVAC	100.00%	93115 VA	93115 VA		
Motor	100.00%	11639 VA	11639 VA	**Total Conn. Load:**	**104754 VA**
				Total Est. Demand:	**104754 VA**
				Total Conn.:	**126 A**
				Total Est. Demand:	**126 A**

Panel - CL

Bus - 400 A / MCB - 400 A

Fed From - **TXCL** | Service - **120/208 3ph 4w**

In Room - **CONTROL ROOM 138**
Mount - **Surface Mnt / NEMA 1**
Branch AIC - **18,000 AIC**
Total Demand Load - **253 A**
% Imbalance - **12**

Notes:, ** See Riser Diagram for feeder info. **

#	Load Name	P	Bkr	Wire	A	B	C	Wire	Bkr	P	Load Name	#
1	Fire Alarm Safety Function Devices in CONTROL ROOM 138	1	20 A	#12	4A/4A			#12	20 A	1	Energy Management Controls (EMCS) in CONTROL ROOM 138	2
3	Circulation Pump & Receptacles - GFCI in STORAGE 139	1	20 A	#12		4A/5A		#10	20 A	1	Receptacles	4
5	Plumbing Sensor & Receptacles - GFCI	1	20 A	#12			4A/5A	#12	20 A	1	Receptacles & Door Access Control	6
7	Receptacles - GFCI	1	20 A	#12	3A/5A			#12	20 A	1	Receptacles - GFCI in STORAGE 139	8
9	Receptacles in STORAGE 139	1	20 A	#12		6A/8A		#10	20 A	1	Receptacles & Receptacles - USB & Door Access Control in MEDI...	10
11	Refrigerator on GFCI BKR in STORAGE 139	1	20 A	#12			10A/13A	#10	20 A	1	Microwave	12
13	Refrigerator on GFCI BKR in STORAGE 139	1	20 A	#12	10A/9A			#8	20 A	1	Receptacles	14
15	Receptacles	1	20 A	#10		8A/13A		#10	20 A	1	Microwave	16
17	Clothes Dryer on GFCI BKR in STORAGE 139	2	30 A	#10			21A/9A	#8	20 A	1	Receptacles in MEDIA CENTER 91	18
19	--	--	--	--	21A/24A			#8	40 A	2	Ice Machine on GFCI BKR	20
21	Receptacles	1	20 A	#8		9A/24A		--	--	--	--	22
23	Vending Machine on GFCI BKR in STORAGE 139	1	20 A	#10			10A/13A	#12	20 A	1	Microwave in STORAGE 139	24
25	Clothes Washer on GFCI BKR in STORAGE 139	1	20 A	#12	10A/13A			#12	20 A	1	Microwave	26
27	Vending Machine on GFCI BKR in STORAGE 139	1	20 A	#10		10A/13A		#10	20 A	1	Microwave	28
29	SPACE	1	--	--			0A/0A	--	--	1	SPACE	30
31	SPACE	1	--	--	0A/0A			--	--	1	SPACE	32
33	SPACE	1	--	--		0A/0A		--	--	1	SPACE	34
35	SPACE	1	--	--			0A/0A	--	--	1	SPACE	36
37	Panel CL2	3	225 A	#4/0	99A/89A			#4/0	225 A	3	Panel CL3	38
39	--	--	--	--		110A/86A		--	--	--	--	40
41	--	--	--	--			98A/79A	--	--	--	--	42

Legend: Phase A,B,C values are in Amps.

Load Classification	Demand Factor	Estimated Demand	Connected Load	Panel Totals	
HVAC	100.00%	11225 VA	11225 VA		
Lighting	125.00%	3000 VA	2400 VA	**Total Conn. Load:**	**99249 VA**
Motor	100.00%	8823 VA	8823 VA	**Total Est. Demand:**	**91260 VA**
Power	100.00%	30208 VA	30208 VA	**Total Conn.:**	**275 A**
Power Continuous	125.00%	14265 VA	11412 VA	**Total Est. Demand:**	**253 A**
Receptacles	65.43%	21200 VA	32400 VA		
Electric Dryer	100.00%	4400 VA	4400 VA		

Panel - K4

Bus - 225 A / MCB - 225 A

Fed From - **K** | Service - **120/208 3ph 4w**

In Room - **KITCHEN 69**
Mount - **Flush Mnt / NEMA 1**
Branch AIC - **14,000 AIC**
Total Demand Load - **70 A**
% Imbalance - **7**

Notes:PROVIDE STAINLESS STEEL FLUSH MOUNT COVER., ** See Riser Diagram for feeder info. **

#	Load Name	P	Bkr	Wire	A	B	C	Wire	Bkr	P	Load Name	#
1	Time Clock Outlet	1	20 A	#12	2A/4A			#12	20 A	1	Grease Inerceptor Alarm Panel	2
3	PANIC ALARM BUTTON	1	20 A	#12		10A/16A		#12	20 A	1	CONVENIENCE OUTLET in KITCHEN 69	4
5	Door Access Control & Receptacles - GFCI	1	20 A	#12			2A/9A	#12	20 A	1	REFRIGERATOR in RESTROOM 82	6
7	Solids Interceptor Alarm Panel	1	20 A	#12	4A/5A			#12	20 A	1	TEMP. ALARM	8
9	DOOR HEATER/LIGHTS	1	20 A	#12		16A/16A		#10	30 A	2	FREEZER COIL	10
11	HEATED CABINET in RESTROOM 82	1	20 A	#10			16A/16A	--	--	--	--	12
13	ICE CREAM DISPENSER in RESTROOM 82	1	20 A	#12	10A/15A			#12	20 A	1	INSUL. MOBILE PROOFER in KITCHEN 69	14
15	CONVENIENCE OUTLET in RESTROOM 82	1	20 A	#10		16A/16A		#12	20 A	1	CONVENIENCE OUTLET in KITCHEN 69	16
17	DRAIN LINE HEATER	1	20 A	#12			16A/16A	#10	20 A	1	CONVENIENCE OUTLET in RESTROOM 82	18
19	CONVENIENCE OUTLET in RESTROOM 82	1	20 A	#12	16A/16A			#12	20 A	1	CONVENIENCE OUTLET in KITCHEN 69	20
21	Water Heater 1.5KW	1	20 A	#12		13A/3A		#12	20 A	1	Circulation Pump in MECHANICAL 83	22
23	CONVENIENCE OUTLET in KITCHEN 69	1	20 A	#10			16A/10A	#12	20 A	2	EF #D106H	24
25	CONVENIENCE OUTLET in KITCHEN 69	1	20 A	#12	16A/10A			--	--	--	--	26
27	SPACE	1	--	--		0A/0A		--	--	1	SPACE	28
29	SPACE	1	--	--			0A/0A	--	--	1	SPACE	30
31	SPACE	1	--	--	0A/0A			--	--	1	SPACE	32
33	SPACE	1	--	--		0A/0A		--	--	1	SPACE	34
35	SPACE	1	--	--			0A/0A	--	--	1	SPACE	36
37	SPARE - 20A	1	--	--	0A/0A			--	--	1	SPARE - 20A	38
39	SPARE - 20A	1	--	--		0A/0A		--	--	1	SPARE - 20A	40
41	SPARE - 20A	1	--	--			0A/0A	--	--	1	SPARE - 20A	42

Legend: Phase A,B,C values are in Amps.

Load Classification	Demand Factor	Estimated Demand	Connected Load	Panel Totals	
Kitchen	65.00%	19643 VA	30220 VA		
Motor	100.00%	2275 VA	2275 VA	**Total Conn. Load:**	**35339 VA**
Power	100.00%	1185 VA	1185 VA	**Total Est. Demand:**	**25137 VA**
Receptacles	100.00%	180 VA	180 VA	**Total Conn.:**	**98 A**
Water Heating	125.00%	1875 VA	1500 VA	**Total Est. Demand:**	**70 A**

Panel - CHAC2

Bus - 250 A / MLO - 0 A

Fed From - **CDP** | Service - **480/277 3ph 4w**

In Room - **CONTROL ROOM 138**
Mount - **Surface Mnt / NEMA 1**
Branch AIC - **22,000 AIC**
Total Demand Load - **120 A**
% Imbalance - **0**

Notes:, ** See Riser Diagram for feeder info. **

#	Load Name	P	Bkr	Wire	A	B	C	Wire	Bkr	P	Load Name	#
1	#C116 - RTU-4T - Thru 30A Disc. - 20A Fuses	3	20 A	#12	14A/20A			#10	30 A	3	#D114 - RTU-7.5T - Thru 30A Disc. - 30A Fuses	2
3	--	--	--	--		14A/20A		--	--	--	--	4
5	--	--	--	--			14A/20A	--	--	--	--	6
7	#C101 - RTU-5T - Thru 30A Disc. - 20A Fuses	3	20 A	#12	14A/14A			#12	20 A	3	#D111 - RTU-5T - Thru 30A Disc. - 20A Fuses	8
9	--	--	--	--		14A/14A		--	--	--	--	10
11	--	--	--	--			14A/14A	--	--	--	--	12
13	#C117 - RTU-5T - Thru 30A Disc. - 20A Fuses	3	20 A	#12	14A/14A			#12	20 A	3	#A140 - RTU-5T - Thru 30A Disc. - 20A Fuses	14
15	--	--	--	--		14A/14A		--	--	--	--	16
17	--	--	--	--			14A/14A	--	--	--	--	18
19	#C100 - RTU-5T - Thru 30A Disc. - 20A Fuses	3	20 A	#12	14A/0A			--	--	1	SPACE	20
21	--	--	--	--		14A/0A		--	--	1	SPACE	22
23	--	--	--	--			14A/0A	--	--	1	SPACE	24
25	#D107 - RTU-6T - Thru 30A Disc. - 25A Fuses	3	30 A	#10	16A/0A			--	--	1	SPACE	26
27	--	--	--	--		16A/0A		--	--	1	SPACE	28
29	--	--	--	--			16A/0A	--	--	1	SPACE	30
31	SPACE	1	--	--	0A/0A			--	--	1	SPACE	32
33	SPACE	1	--	--		0A/0A		--	--	1	SPACE	34
35	SPACE	1	--	--			0A/0A	--	--	1	SPACE	36
37	SPARE - 20A	1	--	--	0A/0A			--	--	1	SPARE - 20A	38
39	SPARE - 20A	1	--	--		0A/0A		--	--	1	SPARE - 20A	40
41	SPARE - 20A	1	--	--			0A/0A	--	--	1	SPARE - 20A	42

Legend: Phase A,B,C values are in Amps.

Load Classification	Demand Factor	Estimated Demand	Connected Load	Panel Totals	
HVAC	100.00%	83138 VA	83138 VA		
Motor	100.00%	16628 VA	16628 VA	**Total Conn. Load:**	**99766 VA**
				Total Est. Demand:	**99766 VA**
				Total Conn.:	**120 A**
				Total Est. Demand:	**120 A**

Panel - CL2

Bus - 225 A / MLO - 0 A

Fed From - **CL** | Service - **120/208 3ph 4w**

In Room - **CONTROL ROOM 138**
Mount - **Surface Mnt / NEMA 1**
Branch AIC - **14,000 AIC**
Total Demand Load - **99 A**
% Imbalance - **11**

Notes:, ** See Riser Diagram for feeder info. **

#	Load Name	P	Bkr	Wire	A	B	C	Wire	Bkr	P	Load Name	#
1	Receptacles - GFCI in DIAGNOSTICS 55	1	20 A	#12	3A/8A			#10	20 A	1	Door Access Control & Receptacles - GFCI & Receptacles	2
3	Receptacles & Door Access Control & Receptacles - GFCI	1	20 A	#10		6A/3A		#12	20 A	1	Receptacles	4
5	Receptacles - USB in 5TH GRADE COMMON AREA 22	1	20 A	#12			3A/3A	#12	20 A	1	Receptacles - USB in 5TH GRADE COMMON AREA 22	6
7	Hand Dryer on GFCI BKR	1	20 A	#8	16A/3A			#12	20 A	1	Receptacles	8
9	Hand Dryer on GFCI BKR	1	20 A	#8		16A/8A		#12	20 A	1	Receptacles	10
11	Receptacles & Receptacles - GFCI & Door Access Control in VES...	1	20 A	#8			9A/12A	#6	20 A	1	Receptacles - GFCI & Receptacles in 5TH GRADE CLASSROOM...	12
13	Receptacles in LANGUAGE SCIENCE 54	1	20 A	#10	5A/16A			#10	20 A	1	Hand Dryer on GFCI BKR	14
15	Receptacles - GFCI & Receptacles in 4TH GRADE CLASSROOM...	1	20 A	#8		11A/16A		#10	20 A	1	Hand Dryer on GFCI BKR	16
17	Receptacles	1	20 A	#12			6A/11A	#8	20 A	1	Receptacles - GFCI & Receptacles in 5TH GRADE CLASSROOM...	18
19	Receptacles & Door Access Control & Receptacles - GFCI in VES...	1	20 A	#12	5A/9A			#12	20 A	1	Receptacles in RESOURCE 68	20
21	Receptacles & Receptacles - GFCI in 4TH GRADE CLASSROOM...	1	20 A	#10		11A/9A		#10	20 A	1	Receptacles in 4TH GRADE CLASSROOM 27	22
23	Receptacles in ART STORAGE 123	1	20 A	#10			11A/9A	#10	20 A	1	Receptacles in 5TH GRADE CLASSROOM 19	24
25	EWC on GFCI BKR	1	20 A	#12	7A/32A			#8	40 A	3	Kiln	26
27	EF #C122 & Receptacles - GFCI	1	20 A	#12		3A/32A		--	--	--	--	28
29	EF #C121 & Receptacles - GFCI, Plumbing Sensor	1	20 A	#12			6A/32A	--	--	--	--	30
31	SPACE	1	--	--	0A/0A			--	--	1	SPACE	32
33	SPACE	1	--	--		0A/0A		--	--	1	SPACE	34
35	SPACE	1	--	--			0A/0A	--	--	1	SPACE	36
37	SPARE - 20A	1	--	--	0A/0A			--	--	1	SPARE - 20A	38
39	SPARE - 20A	1	--	--		0A/0A		--	--	1	SPARE - 20A	40
41	SPARE - 20A	1	--	--			0A/0A	--	--	1	SPARE - 20A	42

Legend: Phase A,B,C values are in Amps.

Load Classification	Demand Factor	Estimated Demand	Connected Load	Panel Totals	
Motor	100.00%	250 VA	250 VA		
Power	100.00%	8530 VA	8530 VA	**Total Conn. Load:**	**36731 VA**
Power Continuous	125.00%	14265 VA	11412 VA	**Total Est. Demand:**	**35687 VA**
Receptacles	78.34%	13820 VA	17640 VA	**Total Conn.:**	**102 A**
				Total Est. Demand:	**99 A**

Panel - CDP

Bus - 800 A / MCB - 800 A

Fed From - **MSB** | Service - **480/277 3ph 4w**

In Room - **CONTROL ROOM 138**
Mount - **Surface Mnt / NEMA 1**
Branch AIC - **22,000 AIC**
Total Demand Load - **427 A**
% Imbalance - **4**

Notes:, ** See Riser Diagram for feeder info. **

#	Load Name	P	Bkr	Wire	A	B	C	Wire	Bkr	P	Load Name	#
1	Panel CH - w/Main CB	3	125 A	#1/0	16A/0A			--	--	1	SPACE	2
3	--	--	--	--		15A/41A		#1/0	125 A	3	TXCC - 75 kVA, 115C Rise	4
5	--	--	--	--			16A/42A	--	--	--	--	6
7	SPACE	1	--	--	0A/41A			--	--	--	--	8
9	SPACE	1	--	--		0A/14A		#12	20 A	3	Water Heater 12KW in STORAGE 139	10
11	TXCL - 112.5 kVA, 115C Rise	3	175 A	#2/0			124A/14A	--	--	--	--	12
13	--	--	--	--	126A/14A			--	--	--	--	14
15	--	--	--	--		111A/126A		#250kc	250 A	3	Panel CHAC	16
17	SPACE	1	--	--			0A/126A	--	--	--	--	18
19	Panel CHAC2	3	250 A	#250kc	120A/126A			--	--	--	--	20
21	--	--	--	--		120A/0A		--	--	1	SPACE	22
23	--	--	--	--			120A/0A	--	--	1	SPACE	24
25	SPACE	1	--	--	0A/0A			--	--	1	SPACE	26
27	SPACE	1	--	--		0A/0A		--	--	1	SPACE	28
29	SPACE	1	--	--			0A/0A	--	--	1	SPACE	30
31	SPACE	1	--	--	0A/0A			--	--	1	SPACE	32
33	SPACE	1	--	--		0A/0A		--	--	1	SPACE	34
35	SPACE	1	--	--			0A/0A	--	--	1	SPACE	36
37	SPARE - 20A	1	--	--	0A/0A			--	--	1	SPARE - 20A	38
39	SPARE - 20A	1	--	--		0A/0A		--	--	1	SPARE - 20A	40
41	SPARE - 20A	1	--	--			0A/0A	--	--	1	SPARE - 20A	42

Legend: Phase A,B,C values are in Amps.

Load Classification	Demand Factor	Estimated Demand	Connected Load	Panel Totals	
HVAC	100.00%	202227 VA	202227 VA		
Lighting	125.00%	19254 VA	15403 VA	**Total Conn. Load:**	**362641 VA**
Motor	100.00%	22325 VA	22325 VA	**Total Est. Demand:**	**354764 VA**
NonLinear Tech	82.31%	28165 VA	34220 VA	**Total Conn.:**	**436 A**
Power	100.00%	30208 VA	30208 VA	**Total Est. Demand:**	**427 A**
Power Continuous	125.00%	14265 VA	11412 VA		
Receptacles	65.43%	21200 VA	32400 VA		
Water Heating	125.00%	15000 VA	12000 VA		
Electric Dryer	100.00%	4400 VA	4400 VA		

Panel - CC

Bus - 250 A / MCB - 250 A

Fed From - **TXCC** | Service - **120/208 3ph 4w**

In Room - **CONTROL ROOM 138**
Mount - **Surface Mnt / NEMA 1**
Branch AIC - **14,000 AIC**
Total Demand Load - **78 A**
% Imbalance - **2**

Notes:, ** See Riser Diagram for feeder info. **

#	Load Name	P	Bkr	Wire	A	B	C	Wire	Bkr	P	Load Name	#
1	NonLinear Outlet	1	20 A	#12	2A/7A			#12	20 A	1	AV Screen & NonLinear Outlet	2
3	NonLinear Outlet	1	20 A	#10		6A/13A		#8	20 A	1	Copier	4
5	NonLinear Outlet	1	20 A	#12			2A/23A	#10	30 A	2	Tech Rack L6-30R	6
7	AV Screen & NonLinear Outlet	1	20 A	#10	7A/23A			--	--	--	--	8
9	Copier	2	30 A	#8		23A/3A		#12	20 A	1	NonLinear Outlet in MEDIA CENTER 91	10
11	--	--	--	--			23A/3A	#12	20 A	1	NonLinear Outlet in STORAGE 139	12
13	NonLinear Outlet in MEDIA CENTER 91	1	20 A	#12	3A/3A			#12	20 A	1	NonLinear Outlet	14
15	NonLinear Outlet	1	20 A	#12		3A/6A		#10	20 A	1	NonLinear Outlet	16
17	NonLinear Outlet	1	20 A	#12			3A/6A	#10	20 A	1	NonLinear Outlet	18
19	NonLinear Outlet	1	20 A	#10	6A/7A			#8	20 A	1	NonLinear Outlet & AV Screen	20
21	NonLinear Outlet & AV Screen in 4TH GRADE CLASSROOM 30	1	20 A	#12		7A/7A		#8	20 A	1	AV Screen & NonLinear Outlet in 5TH GRADE CLASSROOM 20	22
23	NonLinear Outlet & AV Screen in ART STORAGE 123	1	20 A	#12			7A/7A	#10	20 A	1	AV Screen & NonLinear Outlet in LANGUAGE SCIENCE 54	24
25	AV Screen & NonLinear Outlet in 4TH GRADE CLASSROOM 27	1	20 A	#12	7A/7A			#8	20 A	1	AV Screen & NonLinear Outlet	26
27	AV Screen & NonLinear Outlet	1	20 A	#10		7A/0A		--	--	1	SPARE - 20A	28
29	AV Screen & NonLinear Outlet	1	20 A	#10			7A/0A	--	--	1	SPARE - 20A	30
31	SPACE	1	--	--	0A/0A			--	--	1	SPACE	32
33	SPACE	1	--	--		0A/0A		--	--	1	SPACE	34
35	SPACE	1	--	--			0A/0A	--	--	1	SPACE	36
37	SPD - 60A	3	--	--	0A/25A			#1/0	125 A	3	Panel CC2	38
39	--	--	--	--		0A/25A		--	--	--	--	40
41	--	--	--	--			0A/20A	--	--	--	--	42

Legend: Phase A,B,C values are in Amps.

Load Classification	Demand Factor	Estimated Demand	Connected Load	Panel Totals	
NonLinear Tech	82.31%	28165 VA	34220 VA		
				Total Conn. Load:	**34220 VA**
				Total Est. Demand:	**28165 VA**
				Total Conn.:	**95 A**
				Total Est. Demand:	**78 A**

Panel - CL3

Bus - 225 A / MLO - 0 A

Fed From - **CL** | Service - **120/208 3ph 4w**

In Room - **CONTROL ROOM 138**
Mount - **Surface Mnt / NEMA 1**
Branch AIC - **14,000 AIC**
Total Demand Load - **85 A**
% Imbalance - **11**

Notes:, ** See Riser Diagram for feeder info. **

#	Load Name	P	Bkr	Wire	A	B	C	Wire	Bkr	P	Load Name	#
1	EF #A140	1	20 A	#12	1A/2A			#12	20 A	1	Receptacles in MUSIC 70	2
3	Receptacles in 4TH GRADE CLASSROOM 28	1	20 A	#10		9A/10A		#12	20 A	1	Theatrical Lighting Relay Panel Controls	4
5	Receptacles - GFCI in CONTROL ROOM 138	1	20 A	#12			2A/3A	#12	20 A	1	Receptacles - GFCI in ART 53	6
7	Receptacles - GFCI	1	20 A	#12	6A/10A			#12	20 A	1	Theatrical Lighting Opto Splitter	8
9	Motorized Shades in MEDIA CENTER 91	1	20 A	#8		9A/4A		#12	20 A	1	EF #D110	10
11	Motorized Shades in MEDIA CENTER 91	1	20 A	#6			12A/4A	#12	20 A	1	EF #D112	12
13	Motorized Shades in MEDIA CENTER 91	1	20 A	#8	9A/4A			#12	20 A	1	EF #C119	14
15	Receptacles in 5TH GRADE CLASSROOM 17	1	20 A	#8		9A/15A		#12	20 A	2	#D113 - MS-AC-2T - Thru 30A Disc. - 20A Fuses	16
17	Receptacles in 5TH GRADE CLASSROOM 18	1	20 A	#8			9A/15A	--	--	--	--	18
19	Receptacles in 4TH GRADE CLASSROOM 29	1	20 A	#10	9A/15A			#12	20 A	2	#D107 - MS-AC-2T - Thru 30A Disc. - 20A Fuses	20
21	ROOFTOP MAINTENANCE OUTLET	1	20 A	#12		9A/15A		--	--	--	--	22
23	#D115 - MS-AC-2T - Thru 30A Disc. - 20A Fuses	2	20 A	#12			15A/0A	#12	20 A	3	Theatrical Lighting Relay Panel	24
25	--	--	--	--	15A/0A			--	--	--	--	26
27	ROOFTOP MAINTENANCE OUTLET	1	20 A	#8		9A/0A		--	--	--	--	28
29	UH #C123	2	40 A	#8			24A/2A	#12	20 A	1	Receptacles - GFCI	30
31	--	--	--	--	24A/2A			#12	20 A	1	Receptacles - GFCI	32
33	SPACE	1	--	--		0A/2A		#12	20 A	1	Receptacles - GFCI	34
35	SPACE	1	--	--			0A/2A	#12	20 A	1	Receptacles - GFCI	36
37	SPACE	1	--	--	0A/0A			--	--	1	SPACE	38
39	SPACE	1	--	--		0A/0A		--	--	1	SPACE	40
41	SPACE	1	--	--			0A/0A	--	--	1	SPACE	42
43	SPACE	1	--	--	0A/0A			--	--	1	SPACE	44
45	SPACE	1	--	--		0A/0A		--	--	1	SPACE	46
47	SPACE	1	--	--			0A/0A	--	--	1	SPACE	48
49	SPARE - 20A	1	--	--	0A/0A			--	--	1	SPARE - 20A	50
51	SPARE - 20A	1	--	--		0A/0A		--	--	1	SPARE - 20A	52
53	SPARE - 20A	1	--	--			0A/0A	--	--	1	SPARE - 20A	54

Legend: Phase A,B,C values are in Amps.

Load Classification	Demand Factor	Estimated Demand	Connected Load	Panel Totals	
HVAC	100.00%	11225 VA	11225 VA		
Lighting	125.00%	3000 VA	2400 VA	**Total Conn. Load:**	**30248 VA**
Motor	100.00%	8274 VA	8274 VA	**Total Est. Demand:**	**30785 VA**
Power	100.00%	2160 VA	2160 VA	**Total Conn.:**	**84 A**
Receptacles	100.00%	6480 VA	6480 VA	**Total Est. Demand:**	**85 A**

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Count

#12 Homerun	128EA	#8 Homerun	23EA	#2/0 Homerun	1EA
#10 Homerun	44EA	#4/0 Homerun	5EA	#250kcmil Homerun	2EA

Panel - SL

Bus - 125 A / MCB - 125 A

Fed From - **TXSL**   Service - **120/208 3ph 4w**

In Room - **EQUIPMENT PLATFORM...**
Mount - **Surface Mnt / NEMA 1**
Branch AIC - **14,000 AIC**
Total Demand Load - **42 A**
% Imbalance - **1**

Notes:, ** See Riser Diagram for feeder info. **

#	Load Name	P	Bkr	Wire	A	B	C	Wire	Bkr	P	Load Name	#
1	Receptacles - GFCI & Plumbing Sensor	1	20 A	#12	2 A / 4 A			#12	20 A	1	Fire Alarm Safety Function Devices	2
3	EWC on GFCI BKR	1	20 A	#12		7 A / 9 A		#12	20 A	1	EF #D116 in VEST. 120	4
5	Receptacles - GFCI & Plumbing Sensor	1	20 A	#12			2 A / 5 A	#12	20 A	1	Receptacles & Door Access Control & Receptacles - GFCI	6
7	Tech - Amplifier	1	20 A	#12	10 A / 16 A			#10	20 A	1	Hand Dryer on GFCI BKR	8
9	Hand Dryer on GFCI BKR	1	20 A	#12		16 A / 3 A		#12	20 A	1	Receptacles	10
11	Gym - Scoreboard Outlet - Verify Height	1	20 A	#10			13 A / 13 A	#12	20 A	1	Gym - Scoreboard Outlet - Verify Height	12
13	Receptacles	1	20 A	#12	3 A / 3 A			#12	20 A	1	Receptacles	14
15	Receptacles	1	20 A	#12		3 A / 5 A		#12	20 A	1	Receptacles - GFCI	16
17	Receptacles	1	20 A	#12			3 A / 3 A	#12	20 A	1	Receptacles	18
19	Receptacles	1	20 A	#12	5 A / 0 A			--	--	1	SPACE	20
21	SPACE	1	--	--		0 A / 0 A		--	--	1	SPACE	22
23	Receptacles in VEST. 120	1	20 A	#12			5 A / 0 A	--	--	1	SPACE	24
25	SPACE	1	--	--	0 A / 0 A			--	--	1	SPACE	26
27	SPACE	1	--	--		0 A / 0 A		--	--	1	SPACE	28
29	SPACE	1	--	--			0 A / 0 A	--	--	1	SPACE	30
31	SPACE	1	--	--	0 A / 0 A			--	--	1	SPACE	32
33	SPACE	1	--	--		0 A / 0 A		--	--	1	SPACE	34
35	SPACE	1	--	--			0 A / 0 A	--	--	1	SPACE	36
37	SPARE - 20A	1	--	--	0 A / 0 A			--	--	1	SPARE - 20A	38
39	SPARE - 20A	1	--	--		0 A / 0 A		--	--	1	SPARE - 20A	40
41	SPARE - 20A	1	--	--			0 A / 0 A	--	--	1	SPARE - 20A	42

Legend: Phase A,B,C values are in Amps.

Load Classification	Demand Factor	Estimated Demand	Connected Load	Panel Totals	
Motor	100.00%	1080 VA	1080 VA		
Power	100.00%	9395 VA	9395 VA	Total Conn. Load:	15138 VA
Receptacles	100.00%	4680 VA	4680 VA	Total Est. Demand:	15138 VA
				Total Conn.:	42 A
				Total Est. Demand:	42 A

Panel - BH

Bus - 125 A / MLO - 0 A

Fed From - **BDP**   Service - **480/277 3ph 4w**

In Room - **GEN. STORAGE 130**
Mount - **Surface Mnt / NEMA 1**
Branch AIC - **18,000 AIC**
Total Demand Load - **31 A**
% Imbalance - **5**

Notes:, ** See Riser Diagram for feeder info. **

#	Load Name	P	Bkr	Wire	A	B	C	Wire	Bkr	P	Load Name	#
1	Canopy/Soffit Lighting Thru M.H. Contactor	1	20 A	#12	0 A / 1 A			#12	20 A	1	Canopy/Soffit Lighting Thru M.H. Contactor	2
3	Flag Pole Lighting Thru M.H. Contactor	1	20 A	#12		1 A / 1 A		#12	20 A	1	Wall Packs Thru M.H. Contactor	4
5	Canopy/Soffit Lighting Thru M.H. Contactor	1	20 A	#12			1 A / 1 A	#12	20 A	1	Wall Packs Thru M.H. Contactor	6
7	INTERIOR LIGHTING in 3RD GRADE CLASSROOM 32	1	20 A	#12	6 A / 8 A			#12	20 A	1	INTERIOR LIGHTING in COPY/STORAGE 100	8
9	Canopy/Soffit Lighting Thru M.H. Contactor	1	20 A	#12		2 A / 5 A		#12	20 A	1	INTERIOR LIGHTING in LANGUAGE SCIENCE 54	10
11	INTERIOR LIGHTING	1	20 A	#12			8 A / 14 A	#10	20 A	1	INTERIOR LIGHTING in KINDERGARDEN CLASSROOM 64	12
13	INTERIOR LIGHTING in 3RD GRADE CLASSROOM 33	1	20 A	#12	10 A / 0 A			--	--	1	SPACE	14
15	INTERIOR LIGHTING in GEN. STORAGE 130	1	20 A	#12		7 A / 10 A		#12	20 A	1	INTERIOR LIGHTING in VEST. 114	16
17	SPACE	1	--	--			0 A / 0 A	--	--	1	SPACE	18
19	SPACE	1	--	--	0 A / 0 A			--	--	1	SPACE	20
21	SPACE	1	--	--		0 A / 0 A		--	--	1	SPACE	22
23	SPACE	1	--	--			0 A / 0 A	--	--	1	SPACE	24
25	SPACE	1	--	--	0 A / 0 A			--	--	1	SPACE	26
27	SPACE	1	--	--		0 A / 0 A		--	--	1	SPACE	28
29	SPACE	1	--	--			0 A / 0 A	--	--	1	SPACE	30
31	SPACE	1	--	--	0 A / 0 A			--	--	1	SPACE	32
33	SPACE	1	--	--		0 A / 0 A		--	--	1	SPACE	34
35	SPACE	1	--	--			0 A / 0 A	--	--	1	SPACE	36
37	SPARE - 20A	1	--	--	0 A / 0 A			--	--	1	SPARE - 20A	38
39	SPARE - 20A	1	--	--		0 A / 0 A		--	--	1	SPARE - 20A	40
41	SPARE - 20A	1	--	--			0 A / 0 A	--	--	1	SPARE - 20A	42

Legend: Phase A,B,C values are in Amps.

Load Classification	Demand Factor	Estimated Demand	Connected Load	Panel Totals	
Lighting	125.00%	23741 VA	18993 VA		
INTERIOR LIGHTING	125.00%	2063 VA	1650 VA	Total Conn. Load:	20610 VA
				Total Est. Demand:	25762 VA
				Total Conn.:	25 A
				Total Est. Demand:	31 A

Panel - SDP

Bus - 400 A / MCB - 400 A

Fed From - **MSB**   Service - **480/277 3ph 4w**

In Room - **EQUIPMENT PLATFORM...**
Mount - **Surface Mnt / NEMA 1**
Branch AIC - **18,000 AIC**
Total Demand Load - **168 A**
% Imbalance - **9**

Notes:, ** See Riser Diagram for feeder info. **

#	Load Name	P	Bkr	Wire	A	B	C	Wire	Bkr	P	Load Name	#
1	Panel UPS - w/Main CB	3	125 A	#1/0	18 A / 18 A			#6	45 A	3	TXSL - 30 kVA, 115C Rise	2
3	--	--	--	--		12 A / 18 A		--	--	--	--	4
5	--	--	--	--			12 A / 18 A	--	--	--	--	6
7	Panel SH - w/Main CB	3	125 A	#1/0	10 A / 132 A			#250kcmil	250 A	3	Panel SHAC - w/Main CB	8
9	--	--	--	--		0 A / 132 A		--	--	--	--	10
11	--	--	--	--			0 A / 132 A	--	--	--	--	12
13	SPACE	1	--	--	0 A / 0 A			--	--	1	SPACE	14
15	SPACE	1	--	--		0 A / 0 A		--	--	1	SPACE	16
17	SPACE	1	--	--			0 A / 0 A	--	--	1	SPACE	18
19	SPACE	1	--	--	0 A / 0 A			--	--	1	SPACE	20
21	SPACE	1	--	--		0 A / 0 A		--	--	1	SPACE	22
23	SPACE	1	--	--			0 A / 0 A	--	--	1	SPACE	24
25	SPACE	1	--	--	0 A / 0 A			--	--	1	SPACE	26
27	SPACE	1	--	--		0 A / 0 A		--	--	1	SPACE	28
29	SPACE	1	--	--			0 A / 0 A	--	--	1	SPACE	30
31	SPACE	1	--	--	0 A / 0 A			--	--	1	SPACE	32
33	SPACE	1	--	--		0 A / 0 A		--	--	1	SPACE	34
35	SPACE	1	--	--			0 A / 0 A	--	--	1	SPACE	36
37	SPARE - 400A	3	--	--	0 A / 0 A			--	--	3	SPARE - 70A	38
39	--	--	--	--		0 A / 0 A		--	--	--	--	40
41	--	--	--	--			0 A / 0 A	--	--	--	--	42

Legend: Phase A,B,C values are in Amps.

Load Classification	Demand Factor	Estimated Demand	Connected Load	Panel Totals	
HVAC	100.00%	87378 VA	87378 VA		
Lighting	125.00%	5444 VA	4355 VA	Total Conn. Load:	138965 VA
Motor	100.00%	32146 VA	32146 VA	Total Est. Demand:	140020 VA
Power	100.00%	10395 VA	10395 VA	Total Conn.:	167 A
Receptacles	100.00%	4860 VA	4860 VA	Total Est. Demand:	168 A

Panel - EMH

Bus - 125 A / MCB - 125 A

Fed From - **UPS**   Service - **480/277 3ph 4w**

In Room - **EQUIPMENT PLATFORM...**
Mount - **Surface Mnt / NEMA 1**
Branch AIC - **14,000 AIC**
Total Demand Load - **14 A**
% Imbalance - **33**

Notes:, ** See Riser Diagram for feeder info. **

#	Load Name	P	Bkr	Wire	A	B	C	Wire	Bkr	P	Load Name	#
1	INTERIOR LIGHTING & DOWNLIGHT in VEST. 120	1	20 A	#12	6 A / 8 A			#12	20 A	3	Booster Pump	2
3	TXEML - 30 kVA, 115C Rise	3	45 A	#6		4 A / 8 A		--	--	--	--	4
5	--	--	--	--			4 A / 8 A	--	--	--	--	6
7	--	--	--	--	4 A / 0 A			--	--	1	SPACE	8
9	SPACE	1	--	--		0 A / 0 A		--	--	1	SPACE	10
11	SPACE	1	--	--			0 A / 0 A	--	--	1	SPACE	12
13	SPACE	1	--	--	0 A / 0 A			--	--	1	SPACE	14
15	SPACE	1	--	--		0 A / 0 A		--	--	1	SPACE	16
17	SPACE	1	--	--			0 A / 0 A	--	--	1	SPACE	18
19	SPACE	1	--	--	0 A / 0 A			--	--	1	SPACE	20
21	SPACE	1	--	--		0 A / 0 A		--	--	1	SPACE	22
23	SPACE	1	--	--			0 A / 0 A	--	--	1	SPACE	24
25	SPACE	1	--	--	0 A / 0 A			--	--	1	SPACE	26
27	SPACE	1	--	--		0 A / 0 A		--	--	1	SPACE	28
29	SPACE	1	--	--			0 A / 0 A	--	--	1	SPACE	30
31	SPACE	1	--	--	0 A / 0 A			--	--	1	SPACE	32
33	SPACE	1	--	--		0 A / 0 A		--	--	1	SPACE	34
35	SPACE	1	--	--			0 A / 0 A	--	--	1	SPACE	36
37	SPARE - 20A	1	--	--	0 A / 0 A			--	--	1	SPARE - 20A	38
39	SPARE - 20A	1	--	--		0 A / 0 A		--	--	1	SPARE - 20A	40
41	SPARE - 20A	1	--	--			0 A / 0 A	--	--	1	SPARE - 20A	42

Legend: Phase A,B,C values are in Amps.

Load Classification	Demand Factor	Estimated Demand	Connected Load	Panel Totals	
Lighting	125.00%	2091 VA	1673 VA		
Motor	100.00%	8637 VA	8637 VA	Total Conn. Load:	11415 VA
Power	100.00%	1000 VA	1000 VA	Total Est. Demand:	11818 VA
Receptacles	100.00%	180 VA	180 VA	Total Conn.:	14 A
				Total Est. Demand:	14 A

Panel - BHAC

Bus - 250 A / MLO - 0 A

Fed From - **BDP**   Service - **480/277 3ph 4w**

In Room - **GEN. STORAGE 130**
Mount - **Surface Mnt / NEMA 1**
Branch AIC - **18,000 AIC**
Total Demand Load - **140 A**
% Imbalance - **0**

Notes:, ** See Riser Diagram for feeder info. **

#	Load Name	P	Bkr	Wire	A	B	C	Wire	Bkr	P	Load Name	#
1	#B106 - RTU-4T - Thru 30A Disc. - 20A Fuses	3	20 A	#12	14 A / 14 A			#12	20 A	3	#B114 - RTU-5T - Thru 30A Disc. - 20A Fuses	2
3	--	--	--	--		14 A / 14 A		--	--	--	--	4
5	--	--	--	--			14 A / 14 A	--	--	--	--	6
7	#B108 - RTU-4T - Thru 30A Disc. - 20A Fuses	3	20 A	#12	14 A / 14 A			#12	20 A	3	#B113 - RTU-4T - Thru 30A Disc. - 20A Fuses	8
9	--	--	--	--		14 A / 14 A		--	--	--	--	10
11	--	--	--	--			14 A / 14 A	--	--	--	--	12
13	#B105 - RTU-4T - Thru 30A Disc. - 20A Fuses	3	20 A	#12	14 A / 14 A			#12	20 A	3	#B103 - RTU-4T - Thru 30A Disc. - 20A Fuses	14
15	--	--	--	--		14 A / 14 A		--	--	--	--	16
17	--	--	--	--			14 A / 14 A	--	--	--	--	18
19	#B111 - RTU-5T - Thru 30A Disc. - 20A Fuses	3	20 A	#12	14 A / 14 A			#12	20 A	3	#B102 - RTU-4T - Thru 30A Disc. - 20A Fuses	20
21	--	--	--	--		14 A / 14 A		--	--	--	--	22
23	--	--	--	--			14 A / 14 A	--	--	--	--	24
25	#B104 - RTU-4T - Thru 30A Disc. - 20A Fuses	3	20 A	#12	14 A / 14 A			#12	20 A	3	#B116 - RTU-4T - Thru 30A Disc. - 20A Fuses	26
27	--	--	--	--		14 A / 14 A		--	--	--	--	28
29	--	--	--	--			14 A / 14 A	--	--	--	--	30
31	SPACE	1	--	--	0 A / 0 A			--	--	1	SPACE	32
33	SPACE	1	--	--		0 A / 0 A		--	--	1	SPACE	34
35	SPACE	1	--	--			0 A / 0 A	--	--	1	SPACE	36
37	SPARE - 20A	3	--	--	0 A / 0 A			--	--	3	SPARE - 20A	38
39	--	--	--	--		0 A / 0 A		--	--	--	--	40
41	--	--	--	--			0 A / 0 A	--	--	--	--	42

Legend: Phase A,B,C values are in Amps.

Load Classification	Demand Factor	Estimated Demand	Connected Load	Panel Totals	
HVAC	100.00%	104754 VA	104754 VA		
Motor	100.00%	11639 VA	11639 VA	Total Conn. Load:	116394 VA
				Total Est. Demand:	116394 VA
				Total Conn.:	140 A
				Total Est. Demand:	140 A

Panel - SH

Bus - 125 A / MCB - 125 A

Fed From - **SDP**   Service - **480/277 3ph 4w**

In Room - **EQUIPMENT PLATFORM...**
Mount - **Surface Mnt / NEMA 1**
Branch AIC - **18,000 AIC**
Total Demand Load - **4 A**
% Imbalance - **100**

Notes:, ** See Riser Diagram for feeder info. **

#	Load Name	P	Bkr	Wire	A	B	C	Wire	Bkr	P	Load Name	#
1	INTERIOR LIGHTING & DOWNLIGHT	1	20 A	#12	10 A / 0 A			--	--	1	SPACE	2
3	SPACE	1	--	--		0 A / 0 A		--	--	1	SPACE	4
5	SPACE	1	--	--			0 A / 0 A	--	--	1	SPACE	6
7	SPACE	1	--	--	0 A / 0 A			--	--	1	SPACE	8
9	SPACE	1	--	--		0 A / 0 A		--	--	1	SPACE	10
11	SPACE	1	--	--			0 A / 0 A	--	--	1	SPACE	12
13	SPACE	1	--	--	0 A / 0 A			--	--	1	SPACE	14
15	SPACE	1	--	--		0 A / 0 A		--	--	1	SPACE	16
17	SPACE	1	--	--			0 A / 0 A	--	--	1	SPACE	18
19	SPACE	1	--	--	0 A / 0 A			--	--	1	SPACE	20
21	SPACE	1	--	--		0 A / 0 A		--	--	1	SPACE	22
23	SPACE	1	--	--			0 A / 0 A	--	--	1	SPACE	24
25	SPACE	1	--	--	0 A / 0 A			--	--	1	SPACE	26
27	SPACE	1	--	--		0 A / 0 A		--	--	1	SPACE	28
29	SPACE	1	--	--			0 A / 0 A	--	--	1	SPACE	30
31	SPACE	1	--	--	0 A / 0 A			--	--	1	SPACE	32
33	SPACE	1	--	--		0 A / 0 A		--	--	1	SPACE	34
35	SPACE	1	--	--			0 A / 0 A	--	--	1	SPACE	36
37	SPARE - 20A	1	--	--	0 A / 0 A			--	--	1	SPARE - 20A	38
39	SPARE - 20A	1	--	--		0 A / 0 A		--	--	1	SPARE - 20A	40
41	SPARE - 20A	1	--	--			0 A / 0 A	--	--	1	SPARE - 20A	42

Legend: Phase A,B,C values are in Amps.

Load Classification	Demand Factor	Estimated Demand	Connected Load	Panel Totals	
Lighting	125.00%	3352 VA	2682 VA		
				Total Conn. Load:	2682 VA
				Total Est. Demand:	3352 VA
				Total Conn.:	3 A
				Total Est. Demand:	4 A

Panel - EML

Bus - 125 A / MCB - 125 A

Fed From - **TXEML**   Service - **120/208 3ph 4w**

In Room - **EQUIPMENT PLATFORM...**
Mount - **Surface Mnt / NEMA 1**
Branch AIC - **14,000 AIC**
Total Demand Load - **10 A**
% Imbalance - **3**

Notes:, ** See Riser Diagram for feeder info. **

#	Load Name	P	Bkr	Wire	A	B	C	Wire	Bkr	P	Load Name	#
1	Energy Management Controls (EMCS)	1	20 A	#12	4 A / 4 A			#12	20 A	1	Storm Shelter Controls	2
3	EF #STORM	2	20 A	#12		11 A / 0 A		--	--	1	SPACE	4
5	--	--	--	--			11 A / 0 A	--	--	1	SPACE	6
7	Receptacles	1	20 A	#12	2 A / 0 A			--	--	1	SPACE	8
9	SPACE	1	--	--		0 A / 0 A		--	--	1	SPACE	10
11	SPACE	1	--	--			0 A / 0 A	--	--	1	SPACE	12
13	SPACE	1	--	--	0 A / 0 A			--	--	1	SPACE	14
15	SPACE	1	--	--		0 A / 0 A		--	--	1	SPACE	16
17	SPACE	1	--	--			0 A / 0 A	--	--	1	SPACE	18
19	SPACE	1	--	--	0 A / 0 A			--	--	1	SPACE	20
21	SPACE	1	--	--		0 A / 0 A		--	--	1	SPACE	22
23	SPACE	1	--	--			0 A / 0 A	--	--	1	SPACE	24
25	SPACE	1	--	--	0 A / 0 A			--	--	1	SPACE	26
27	SPACE	1	--	--		0 A / 0 A		--	--	1	SPACE	28
29	SPACE	1	--	--			0 A / 0 A	--	--	1	SPACE	30
31	SPACE	1	--	--	0 A / 0 A			--	--	1	SPACE	32
33	SPACE	1	--	--		0 A / 0 A		--	--	1	SPACE	34
35	SPACE	1	--	--			0 A / 0 A	--	--	1	SPACE	36
37	SPARE - 20A	1	--	--	0 A / 0 A			--	--	1	SPARE - 20A	38
39	SPARE - 20A	1	--	--		0 A / 0 A		--	--	1	SPARE - 20A	40
41	SPARE - 20A	1	--	--			0 A / 0 A	--	--	1	SPARE - 20A	42

Legend: Phase A,B,C values are in Amps.

Load Classification	Demand Factor	Estimated Demand	Connected Load	Panel Totals	
Motor	100.00%	2288 VA	2288 VA		
Power	100.00%	1000 VA	1000 VA	Total Conn. Load:	3467 VA
Receptacles	100.00%	180 VA	180 VA	Total Est. Demand:	3467 VA
				Total Conn.:	10 A
				Total Est. Demand:	10 A

Panel - BHAC2

Bus - 250 A / MLO - 0 A

Fed From - **BDP**   Service - **480/277 3ph 4w**

In Room - **GEN. STORAGE 130**
Mount - **Surface Mnt / NEMA 1**
Branch AIC - **18,000 AIC**
Total Demand Load - **146 A**
% Imbalance - **0**

Notes:, ** See Riser Diagram for feeder info. **

#	Load Name	P	Bkr	Wire	A	B	C	Wire	Bkr	P	Load Name	#
1	#B101 - RTU-5T - Thru 30A Disc. - 20A Fuses	3	20 A	#12	14 A / 14 A			#12	20 A	3	#B132 - RTU-5T - Thru 30A Disc. - 20A Fuses	2
3	--	--	--	--		14 A / 14 A		--	--	--	--	4
5	--	--	--	--			14 A / 14 A	--	--	--	--	6
7	#B100 - RTU-4T - Thru 30A Disc. - 20A Fuses	3	20 A	#12	14 A / 14 A			#12	20 A	3	#A100 - RTU-5T - Thru 30A Disc. - 20A Fuses	8
9	--	--	--	--		14 A / 14 A		--	--	--	--	10
11	--	--	--	--			14 A / 14 A	--	--	--	--	12
13	#B127 - RTU-5T - Thru 30A Disc. - 20A Fuses	3	20 A	#12	14 A / 24 A			#10	30 A	3	#B131A - RTU-10T - Thru 30A Disc. - 30A Fuses	14
15	--	--	--	--		14 A / 24 A		--	--	--	--	16
17	--	--	--	--			14 A / 24 A	--	--	--	--	18
19	#B129 - RTU-4T - Thru 30A Disc. - 20A Fuses	3	20 A	#12	14 A / 24 A			#10	30 A	3	#B131B - RTU-10T - Thru 30A Disc. - 30A Fuses	20
21	--	--	--	--		14 A / 24 A		--	--	--	--	22
23	--	--	--	--			14 A / 24 A	--	--	--	--	24
25	#B130 - RTU-5T - Thru 30A Disc. - 20A Fuses	3	20 A	#12	14 A / 0 A			--	--	1	SPACE	26
27	--	--	--	--		14 A / 0 A		--	--	1	SPACE	28
29	--	--	--	--			14 A / 0 A	--	--	1	SPACE	30
31	SPACE	1	--	--	0 A / 0 A			--	--	1	SPACE	32
33	SPACE	1	--	--		0 A / 0 A		--	--	1	SPACE	34
35	SPACE	1	--	--			0 A / 0 A	--	--	1	SPACE	36
37	SPARE - 20A	3	--	--	0 A / 0 A			--	--	3	SPARE - 30A	38
39	--	--	--	--		0 A / 0 A		--	--	--	--	40
41	--	--	--	--			0 A / 0 A	--	--	--	--	42

Legend: Phase A,B,C values are in Amps.

Load Classification	Demand Factor	Estimated Demand	Connected Load	Panel Totals	
HVAC	100.00%	101429 VA	101429 VA		
Motor	100.00%	19953 VA	19953 VA	Total Conn. Load:	121382 VA
				Total Est. Demand:	121382 VA
				Total Conn.:	146 A
				Total Est. Demand:	146 A

Panel - SHAC

Bus - 250 A / MCB - 250 A

Fed From - **SDP**   Service - **480/277 3ph 4w**

In Room - **EQUIPMENT PLATFORM...**
Mount - **Surface Mnt / NEMA 1**
Branch AIC - **18,000 AIC**
Total Demand Load - **132 A**
% Imbalance - **0**

Notes:, ** See Riser Diagram for feeder info. **

#	Load Name	P	Bkr	Wire	A	B	C	Wire	Bkr	P	Load Name	#
1	#D117A - HP-AC-10T - Thru 30A Disc. - 30A Fuses	3	30 A	#10	21 A / 27 A			#10	30 A	3	#D117B - HP-AH-10T - Thru 30A Disc. - 30A Fuses	2
3	--	--	--	--		21 A / 27 A		--	--	--	--	4
5	--	--	--	--			21 A / 27 A	--	--	--	--	6
7	#D117B - HP-AC-10T - Thru 30A Disc. - 30A Fuses	3	30 A	#10	21 A / 27 A			#10	30 A	3	#D117C - HP-AH-5T - Thru 30A Disc. - 30A Fuses	8
9	--	--	--	--		21 A / 27 A		--	--	--	--	10
11	--	--	--	--			21 A / 27 A	--	--	--	--	12
13	#D117C - HP-AC-5T - Thru 30A Disc. - 15A Fuses	3	20 A	#12	9 A / 27 A			#10	30 A	3	#D117A - HP-AH-10T - Thru 30A Disc. - 30A Fuses	14
15	--	--	--	--		9 A / 27 A		--	--	--	--	16
17	--	--	--	--			9 A / 27 A	--	--	--	--	18
19	SPACE	1	--	--	0 A / 0 A			--	--	1	SPACE	20
21	SPACE	1	--	--		0 A / 0 A		--	--	1	SPACE	22
23	SPACE	1	--	--			0 A / 0 A	--	--	1	SPACE	24
25	SPACE	1	--	--	0 A / 0 A			--	--	1	SPACE	26
27	SPACE	1	--	--		0 A / 0 A		--	--	1	SPACE	28
29	SPACE	1	--	--			0 A / 0 A	--	--	1	SPACE	30
31	SPACE	1	--	--	0 A / 0 A			--	--	1	SPACE	32
33	SPACE	1	--	--		0 A / 0 A		--	--	1	SPACE	34
35	SPACE	1	--	--			0 A / 0 A	--	--	1	SPACE	36
37	SPARE - 30A	3	--	--	0 A / 0 A			--	--	3	SPARE - 20A	38
39	--	--	--	--		0 A / 0 A		--	--	--	--	40
41	--	--	--	--			0 A / 0 A	--	--	--	--	42

Legend: Phase A,B,C values are in Amps.

Load Classification	Demand Factor	Estimated Demand	Connected Load	Panel Totals	
HVAC	100.00%	87378 VA	87378 VA		
Motor	100.00%	22447 VA	22447 VA	Total Conn. Load:	109826 VA
				Total Est. Demand:	109826 VA
				Total Conn.:	132 A
				Total Est. Demand:	132 A

Panel - BDP

Bus - 800 A / MCB - 800 A

Fed From - **MSB**   Service - **480/277 3ph 4w**

In Room - **GEN. STORAGE 130**
Mount - **Surface Mnt / NEMA 1**
Branch AIC - **18,000 AIC**
Total Demand Load - **456 A**
% Imbalance - **3**

Notes:, ** See Riser Diagram for feeder info. **

#	Load Name	P	Bkr	Wire	A	B	C	Wire	Bkr	P	Load Name	#
1	Panel BH	3	125 A	#1/0	25 A / 71 A			#1/0	125 A	3	TXBC - 75 kVA, 115C Rise	2
3	--	--	--	--		25 A / 74 A		--	--	--	--	4
5	--	--	--	--			24 A / 68 A	--	--	--	--	6
7	TXBL - 112.5 kVA, 115C Rise	3	175 A	#2/0	80 A / 14 A			#12	20 A	3	Water Heater 12KW in 2ND LIB. CLOSET 132	8
9	--	--	--	--		92 A / 14 A		--	--	--	--	10
11	--	--	--	--			88 A / 14 A	--	--	--	--	12
13	Panel BHAC	3	250 A	#250kcmil	140 A / 146 A			#250kcmil	250 A	3	Panel BHAC2	14
15	--	--	--	--		140 A / 146 A		--	--	--	--	16
17	--	--	--	--			140 A / 146 A	--	--	--	--	18
19	SPACE	1	--	--	0 A / 0 A			--	--	1	SPACE	20
21	SPACE	1	--	--		0 A / 0 A		--	--	1	SPACE	22
23	SPACE	1	--	--			0 A / 0 A	--	--	1	SPACE	24
25	SPACE	1	--	--	0 A / 0 A			--	--	1	SPACE	26
27	SPACE	1	--	--		0 A / 0 A		--	--	1	SPACE	28
29	SPACE	1	--	--			0 A / 0 A	--	--	1	SPACE	30
31	SPACE	1	--	--	0 A / 0 A			--	--	1	SPACE	32
33	SPACE	1	--	--		0 A / 0 A		--	--	1	SPACE	34
35	SPACE	1	--	--			0 A / 0 A	--	--	1	SPACE	36
37	SPARE - 125A	3	--	--	0 A / 0 A			--	--	3	SPARE - 125A	38
39	--	--	--	--		0 A / 0 A		--	--	--	--	40
41	--	--	--	--			0 A / 0 A	--	--	--	--	42

Legend: Phase A,B,C values are in Amps.

Load Classification	Demand Factor	Estimated Demand	Connected Load	Panel Totals	
HVAC	100.00%	227183 VA	227183 VA		
Lighting	125.00%	23741 VA	18993 VA	Total Conn. Load:	400110 VA
Motor	100.00%	24892 VA	24892 VA	Total Est. Demand:	378860 VA
NonLinear Tech	79.20%	47125 VA	59500 VA	Total Conn.:	481 A
Power	100.00%	12939 VA	12939 VA	Total Est. Demand:	456 A
Receptacles	61.39%	26958 VA	43915 VA		
Water Heating	125.00%	15000 VA	12000 VA		
INTERIOR LIGHTING	125.00%	2063 VA	1650 VA		

Panel - BC

Bus - 250 A / MCB - 250 A

Fed From - **TXBC**   Service - **120/208 3ph 4w**

In Room - **GEN. STORAGE 130**
Mount - **Surface Mnt / NEMA 1**
Branch AIC - **14,000 AIC**
Total Demand Load - **130 A**
% Imbalance - **8**

Notes:, ** See Riser Diagram for feeder info. **

#	Load Name	P	Bkr	Wire	A	B	C	Wire	Bkr	P	Load Name	#
1	NonLinear Outlet in AP OFFICE 96	1	20 A	#12	6 A / 7 A			#12	20 A	1	AV Screen & NonLinear Outlet in 2ND GRADE CLASSROOM 37	2
3	NonLinear Outlet in CONFERENCE ROOM 94	1	20 A	#12		6 A / 13 A		#8	20 A	1	Copier in STUDENT RECORDS 103	4
5	NonLinear Outlet in RECEPTION 93	1	20 A	#12			3 A / 23 A	#10	30 A	2	Tech Rack L6-30R	6
7	AV Screen & NonLinear Outlet in 2ND GRADE CLASSROOM 38	1	20 A	#12	7 A / 23 A			--	--	--	--	8
9	Copier in STUDENT RECORDS 103	1	20 A	#8		13 A / 23 A		#8	30 A	2	Copier in STUDENT RECORDS 103	10
11	NonLinear Outlet in VEST. 116	1	20 A	#12			6 A / 23 A	--	--	--	--	12
13	NonLinear Outlet	1	20 A	#12	3 A / 6 A			#12	20 A	1	NonLinear Outlet in COUNSELOR 97	14
15	NonLinear Outlet	1	20 A	#12		3 A / 6 A		#12	20 A	1	NonLinear Outlet in CUST. CLOSET 129	16
17	NonLinear Outlet & AV Screen in GIFTED/TALENTED 52	1	20 A	#12			7 A / 7 A	#12	20 A	1	NonLinear Outlet & AV Screen	18
19	NonLinear Outlet & AV Screen in CBI 61	1	20 A	#12	7 A / 7 A			#12	20 A	1	AV Screen & NonLinear Outlet in 3RD GRADE CLASSROOM 35	20
21	NonLinear Outlet & AV Screen in COMPUTER LAB 109	1	20 A	#12		7 A / 7 A		#12	20 A	1	AV Screen & NonLinear Outlet in 3RD GRADE CLASSROOM 36	22
23	AV Screen & NonLinear Outlet in 3RD GRADE CLASSROOM 34	1	20 A	#10			7 A / 7 A	#12	20 A	1	AV Screen & NonLinear Outlet in 2ND GRADE CLASSROOM 41	24
25	AV Screen & NonLinear Outlet in 3RD GRADE CLASSROOM 32	1	20 A	#10	7 A / 7 A			#12	20 A	1	AV Screen & NonLinear Outlet in 2ND GRADE CLASSROOM 39	26
27	AV Screen & NonLinear Outlet in 3RD GRADE CLASSROOM 33	1	20 A	#10		7 A / 7 A		#12	20 A	1	AV Screen & NonLinear Outlet in 2ND GRADE CLASSROOM 40	28
29	SPARE - 20A	1	--	--			0 A / 0 A	--	--	1	SPARE - 20A	30
31	SPACE	1	--	--	0 A / 0 A			--	--	1	SPACE	32
33	SPACE	1	--	--		0 A / 0 A		--	--	1	SPACE	34
35	SPACE	1	--	--			0 A / 0 A	--	--	1	SPACE	36
37	SPD - 60A	3	--	--	0 A / 85 A			#4/0	225 A	3	Panel BC2	38
39	--	--	--	--		0 A / 83 A		--	--	--	--	40
41	--	--	--	--			0 A / 80 A	--	--	--	--	42

Legend: Phase A,B,C values are in Amps.

Load Classification	Demand Factor	Estimated Demand	Connected Load	Panel Totals	
NonLinear Tech	79.24%	46750 VA	59000 VA		
				Total Conn. Load:	59000 VA
				Total Est. Demand:	46750 VA
				Total Conn.:	164 A
				Total Est. Demand:	130 A

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Count

#12 Homerun	77EA	#1/0 Homerun	4EA	#8 Homerun	3EA	#2/0 Homerun	1EA
#10 Homerun	14EA	#6 Homerun	2EA	#1/0 Homerun	3EA	#250kcmil Homerun	3EA

Panel - BC2

Fed From - **BC**

Bus - 225 A / MLO - 0 A

Service - **120/208 3ph 4w**

In Room - **GEN. STORAGE 130**
Mount - **Surface Mnt / NEMA 1**
Branch AIC - **14,000 AIC**
Total Demand Load - **69 A**
% Imbalance - **5**

Notes:, ** See Riser Diagram for feeder info. **

#	Load Name	P	Bkr	Wire	A	B	C	Wire	Bkr	P	Load Name	#
1	AV Screen	1	20 A	#12	4.4A / 0.0A			#4	20 A	1	Marquee Sign	2
3	NonLinear Outlet & AV Screen in CBI 57	1	20 A	#12		7.7A / 0.0A		#4	20 A	1	Marquee Sign	4
5	NonLinear Outlet in REGISTAR 106	1	20 A	#12			3.4A / 0.0A	#8	30 A	2	Tech Rack L6-30R in REGISTAR 106	6
7	Printer in RECEPTION 93	1	40 A	#8	25.4A / 0.0A			--	--	--	--	8
9	Copier in STUDENT RECORDS 103	2	30 A	#8		22.4A / 0.0A		#8	30 A	2	Tech Rack L6-30R in REGISTAR 106	10
11	--	--	--	--			22.4A / 0.0A	--	--	--	--	12
13	NonLinear Outlet in REGISTAR 106	1	20 A	#12	3.4A / 0.0A			#12	20 A	1	NonLinear Outlet	14
15	NonLinear Outlet in REGISTAR 106	1	20 A	#12		3.4A / 0.0A		#12	20 A	1	NonLinear Outlet in RECEPTION 93	16
17	NonLinear Outlet in RECEPTION 93	1	20 A	#12			3.4A / 7.7A	#12	20 A	1	NonLinear Outlet & AV Screen in PRE-K / K LIB. CLOSET 134	18
19	NonLinear Outlet & AV Screen in KINDERGARDEN CLASSROOM	1	20 A	#10	7.4A / 7.4A			#12	20 A	1	NonLinear Outlet & AV Screen in CBI 58	20
21	NonLinear Outlet & AV Screen in KINDERGARDEN CLASSROOM	1	20 A	#10		7.4A / 7.4A		#12	20 A	1	NonLinear Outlet & AV Screen in CBI 60	22
23	NonLinear Outlet & AV Screen in KINDERGARDEN CLASSROOM	1	20 A	#10			7.4A / 0.0A	--	--	1	SPACE	24
25	SPACE	1	--	--	0.0A / 0.0A			--	--	1	SPACE	26
27	SPACE	1	--	--		0.0A / 0.0A		--	--	1	SPACE	28
29	SPACE	1	--	--			0.0A / 0.0A	--	--	1	SPACE	30
31	SPACE	1	--	--	0.0A / 0.0A			--	--	1	SPACE	32
33	SPACE	1	--	--		0.0A / 0.0A		--	--	1	SPACE	34
35	SPACE	1	--	--			0.0A / 0.0A	--	--	1	SPACE	36
37	SPACE	1	--	--	0.0A / 0.0A			--	--	1	SPACE	38
39	SPACE	1	--	--		0.0A / 0.0A		--	--	1	SPACE	40
41	SPACE	1	--	--			0.0A / 0.0A	--	--	1	SPACE	42
43	SPACE	1	--	--	0.0A / 0.0A			--	--	1	SPACE	44
45	SPACE	1	--	--		0.0A / 0.0A		--	--	1	SPACE	46
47	SPACE	1	--	--			0.0A / 0.0A	--	--	1	SPACE	48
49	SPD - 60A	3	--	--	0.0A / 0.0A			--	--	1	SPARE - 20A	50
51	--	--	--	--		0.0A / 0.0A		--	--	1	SPARE - 20A	52
53	--	--	--	--			0.0A / 0.0A	--	--	1	SPARE - 20A	54

Legend: Phase A,B,C values are in Amps.

Load Classification	Demand Factor	Estimated Demand	Connected Load	Panel Totals
NonLinear Tech	83.42%	24760 VA	29680 VA	
				Total Conn. Load: 29680 VA
				Total Est. Demand: 24760 VA
				Total Conn.: 82 A
				Total Est. Demand: 69 A

Panel - BL

Fed From - **TXBL**

Bus - 400 A / MCB - 400 A

Service - **120/208 3ph 4w**

In Room - **GEN. STORAGE 130**
Mount - **Surface Mnt / NEMA 1**
Branch AIC - **18,000 AIC**
Total Demand Load - **152 A**
% Imbalance - **13**

Notes:, ** See Riser Diagram for feeder info. **

#	Load Name	P	Bkr	Wire	A	B	C	Wire	Bkr	P	Load Name	#
1	Fire Alarm Safety Function Devices in GEN. STORAGE 130	1	20 A	#12	4.4A / 4.4A			#12	20 A	1	Energy Management Controls (EMCS) in GEN. STORAGE 130	2
3	Fire Alarm Safety Function Devices in GEN. STORAGE 130	1	20 A	#12		4.4A / 4.4A		#12	20 A	1	Energy Management Controls (EMCS) in GEN. STORAGE 130	4
5	Receptacles	1	20 A	#12			0.0A / 0.0A	#12	20 A	1	EF #B120 & Receptacles - GFCI, Plumbing Sensor in RESTROO...	6
7	Receptacles in RECEPTION 93	1	20 A	#12	3.4A / 0.0A			#8	20 A	1	ROOFTOP MAINTENANCE OUTLET	8
9	Receptacles & Door Access Control in RECEPTION 93	1	20 A	#12		0.4A / 0.0A		#12	20 A	1	Receptacles & Receptacles - GFCI & Door Access Control in VES...	10
11	EWC on GFCI BKR	1	20 A	#12			7.4A / 0.0A	#10	20 A	1	Receptacles & Door Access Control & Receptacles - GFCI in VES...	12
13	Receptacles in AP OFFICE 96	1	20 A	#12	8.4A / 0.0A			#12	20 A	1	Receptacles	14
15	Receptacles & Door Access Control & Receptacles - GFCI in 3RD...	1	20 A	#8		12.4A / 0.0A		#12	20 A	1	Receptacles in CONFERENCE ROOM 94	16
17	Receptacles in COUNSELOR 97	1	20 A	#12			8.4A / 0.0A	#12	20 A	1	Receptacles in COMPUTER LAB 109	18
19	Receptacles in 3RD GRADE CLASSROOM 35	1	20 A	#10	9.4A / 9.4A			#10	20 A	1	ROOFTOP MAINTENANCE OUTLET	20
21	Receptacles	1	20 A	#12		9.4A / 9.4A		#12	20 A	1	Receptacles in PRINCIPAL 95	22
23	Receptacles in TEACHER'S LOUNGE 99	1	20 A	#10			9.4A / 0.0A	#10	20 A	1	Receptacles in 3RD GRADE CLASSROOM 34	24
25	Receptacles in 2ND GRADE CLASSROOM 38	1	20 A	#10	9.4A / 0.0A			--	--	1	SPARE - 20A	26
27	Receptacles in 3RD GRADE CLASSROOM 33	1	20 A	#8		9.4A / 9.4A		#10	20 A	1	Receptacles in 2ND GRADE CLASSROOM 39	28
29	Receptacles in 2ND GRADE CLASSROOM 40	1	20 A	#12			9.4A / 0.0A	--	--	1	SPARE - 20A	30
31	SPACE	1	--	--	0.0A / 0.0A			--	--	1	SPACE	32
33	SPACE	1	--	--		0.0A / 0.0A		--	--	1	SPACE	34
35	SPACE	1	--	--			0.0A / 0.0A	--	--	1	SPACE	36
37	Panel BL2	3	125 A	#1/0	53.4A / 72.4A			#4/0	225 A	3	Panel BL3	38
39	--	--	--	--		60.4A / 79.4A		--	--	--	--	40
41	--	--	--	--			58.4A / 77.4A	--	--	--	--	42

Legend: Phase A,B,C values are in Amps.

Load Classification	Demand Factor	Estimated Demand	Connected Load	Panel Totals
HVAC	100.00%	6240 VA	6240 VA	
Motor	100.00%	8058 VA	8058 VA	**Total Conn. Load:** 71590 VA
NonLinear Tech	100.00%	500 VA	500 VA	**Total Est. Demand:** 54643 VA
Power	100.00%	12939 VA	12939 VA	**Total Conn.:** 199 A
Receptacles	61.39%	26958 VA	43915 VA	**Total Est. Demand:** 152 A

Panel - BL2

Fed From - **BL**

Bus - 125 A / MLO - 0 A

Service - **120/208 3ph 4w**

In Room - **GEN. STORAGE 130**
Mount - **Surface Mnt / NEMA 1**
Branch AIC - **14,000 AIC**
Total Demand Load - **47 A**
% Imbalance - **12**

Notes:, ** See Riser Diagram for feeder info. **

#	Load Name	P	Bkr	Wire	A	B	C	Wire	Bkr	P	Load Name	#
1	EF #A118.1 & Plumbing Sensor	1	20 A	#12	1.4A / 0.0A			#12	20 A	1	Receptacles in COUNSELOR 105	2
3	EF #A125 & Receptacles - GFCI	1	20 A	#12		3.4A / 0.0A		#8	20 A	1	Receptacles & Door Access Control in K / PRE-K COMMON ARE...	4
5	Receptacles	1	20 A	#12			3.4A / 0.0A	#12	20 A	1	EF #A112, EF #A113 & Receptacles - GFCI, Plumbing Sensor in...	6
7	Receptacles & Receptacles - GFCI & Door Access Control	1	20 A	#10	6.4A / 7.1A			#12	20 A	1	Ice Machine on GFCI BKR in CLINIC 92	8
9	EWC on GFCI BKR	1	20 A	#12		7.4A / 0.0A		#10	20 A	1	Receptacles in 2ND GRADE CLASSROOM 37	10
11	Receptacles in STUDENT RECORDS 103	1	20 A	#12			6.4A / 10.4A	#12	20 A	1	Refrigerator on GFCI BKR in CLINIC 92	12
13	Receptacles in STUDENT RECORDS 103	1	20 A	#12	2.4A / 2.4A			#12	20 A	1	Receptacles - GFCI in CLINIC 92	14
15	Receptacles in STUDENT RECORDS 103	1	20 A	#12		2.4A / 2.4A		#12	20 A	1	Receptacles in STUDENT RECORDS 103	16
17	Receptacles in STUDENT RECORDS 103	1	20 A	#12			2.4A / 2.4A	#12	20 A	1	Receptacles in STUDENT RECORDS 103	18
19	Receptacles - GFCI	1	20 A	#12	2.4A / 0.0A			#12	20 A	1	Receptacles in CLINIC 92	20
21	Receptacles - GFCI in CLINIC 92	1	20 A	#12		2.4A / 0.0A		#10	20 A	1	Receptacles in COPY/STORAGE 100	22
23	Receptacles - GFCI in CLINIC 92	1	20 A	#12			3.4A / 9.4A	#12	20 A	1	Receptacles in GIFTED/TALENTED 52	24
25	Receptacles in 2ND GRADE CLASSROOM 41	1	20 A	#12	9.4A / 9.4A			#8	20 A	1	Receptacles & Receptacles - GFCI in PRE-K / K LIB. CLOSET 134	26
27	Receptacles in 3RD GRADE CLASSROOM 32	1	20 A	#10		9.4A / 9.4A		#10	20 A	1	Receptacles in CBI 57	28
29	Receptacles in 3RD GRADE CLASSROOM 36	1	20 A	#10			9.4A / 9.4A	#10	20 A	1	Receptacles in CBI 60	30
31	SPACE	1	--	--	0.0A / 0.0A			--	--	1	SPACE	32
33	SPACE	1	--	--		0.0A / 0.0A		--	--	1	SPACE	34
35	SPACE	1	--	--			0.0A / 0.0A	--	--	1	SPACE	36
37	SPARE - 20A	1	--	--	0.0A / 0.0A			--	--	1	SPARE - 20A	38
39	SPARE - 20A	1	--	--		0.0A / 0.0A		--	--	1	SPARE - 20A	40
41	SPARE - 20A	1	--	--			0.0A / 0.0A	--	--	1	SPARE - 20A	42

Legend: Phase A,B,C values are in Amps.

Load Classification	Demand Factor	Estimated Demand	Connected Load	Panel Totals
Motor	100.00%	500 VA	500 VA	
Power	100.00%	3414 VA	3414 VA	**Total Conn. Load:** 20289 VA
Receptacles	80.53%	13190 VA	16380 VA	**Total Est. Demand:** 17099 VA
				Total Conn.: 56 A
				Total Est. Demand: 47 A

Panel - BL3

Fed From - **BL**

Bus - 225 A / MLO - 0 A

Service - **120/208 3ph 4w**

In Room - **GEN. STORAGE 130**
Mount - **Surface Mnt / NEMA 1**
Branch AIC - **14,000 AIC**
Total Demand Load - **76 A**
% Imbalance - **9**

Notes:, ** See Riser Diagram for feeder info. **

#	Load Name	P	Bkr	Wire	A	B	C	Wire	Bkr	P	Load Name	#
1	Receptacles & Door Access Control	1	20 A	#12	2.4A / 2.4A			#12	20 A	1	EF #A114 & Receptacles - GFCI, Plumbing Sensor	2
3	Receptacles & Door Access Control	1	20 A	#12		2.4A / 3.4A		#12	20 A	1	EF #A116 & Receptacles - GFCI, Plumbing Sensor	4
5	EF #A121.1, EF #A123.1 & Plumbing Sensor in RESTROOM 152	1	20 A	#12			2.4A / 3.4A	#12	20 A	1	Receptacles in CUST. CLOSET 129	6
7	Receptacles - GFCI & Door Access Control & Receptacles	1	20 A	#12	5.4A / 5.4A			#12	20 A	1	EF #B115 & Receptacles - GFCI, Circulation Pump in 2ND LIB...	8
9	EF #B117	1	20 A	#12		4.4A / 12.4A		#10	30 A	1	Floor Box & AV Screen in PRINCIPAL 95	10
11	EF #D109D	1	20 A	#6			12.4A / 18.4A	#10	30 A	1	Hand Dryer on GFCI BKR	12
13	Receptacles & Receptacles - GFCI in KINDERGARDEN...	1	20 A	#6	9.4A / 9.4A			#8	20 A	1	Receptacles & Receptacles - GFCI in KINDERGARDEN...	14
15	Hand Dryer on GFCI BKR	1	30 A	#10		18.4A / 2.4A		#12	20 A	1	Receptacles - GFCI in GEN. STORAGE 130	16
17	Receptacles in REGISTAR 106	1	20 A	#12			2.4A / 4.4A	#10	20 A	1	EF #D109G	18
19	Receptacles - GFCI	1	20 A	#12	2.4A / 4.4A			#10	20 A	1	EF #D109C	20
21	EF #D109E	1	20 A	#10		4.4A / 9.4A		#12	20 A	1	Receptacles in CBI 58	22
23	Receptacles in CBI 61	1	20 A	#12			9.4A / 0.0A	--	--	1	SPACE	24
25	Receptacles & Receptacles - GFCI in KINDERGARDEN...	1	20 A	#8	9.4A / 15.4A			#10	20 A	2	#A119 - MS-AC-2T - Thru 30A Disc. - 20A Fuses	26
27	#B123 - MS-AC-2T - Thru 30A Disc. - 20A Fuses	2	20 A	#12		15.4A / 15.4A		--	--	--	--	28
29	--	--	--	--			15.4A / 15.4A	#12	20 A	2	#B124 - MS-AC-2T - Thru 30A Disc. - 20A Fuses	30
31	SPACE	1	--	--	0.4A / 15.4A			--	--	--	--	32
33	SPACE	1	--	--		0.4A / 0.0A		--	--	1	SPACE	34
35	SPACE	1	--	--			0.4A / 0.0A	--	--	1	SPACE	36
37	SPACE	1	--	--	0.4A / 0.0A			--	--	1	SPACE	38
39	SPACE	1	--	--		0.4A / 0.0A		--	--	1	SPACE	40
41	SPACE	1	--	--			0.4A / 0.0A	--	--	1	SPACE	42
43	SPACE	1	--	--	0.4A / 0.0A			--	--	1	SPACE	44
45	SPACE	1	--	--		0.4A / 0.0A		--	--	1	SPACE	46
47	SPACE	1	--	--			0.4A / 0.0A	--	--	1	SPACE	48
49	SPARE - 20A	1	--	--	0.4A / 0.0A			--	--	1	SPARE - 20A	50
51	SPARE - 20A	1	--	--		0.4A / 0.0A		--	--	1	SPARE - 20A	52
53	SPARE - 20A	1	--	--			0.4A / 0.0A	--	--	1	SPARE - 20A	54

Legend: Phase A,B,C values are in Amps.

Load Classification	Demand Factor	Estimated Demand	Connected Load	Panel Totals
HVAC	100.00%	6240 VA	6240 VA	
Motor	100.00%	7433 VA	7433 VA	**Total Conn. Load:** 27239 VA
NonLinear Tech	100.00%	500 VA	500 VA	**Total Est. Demand:** 27239 VA
Power	100.00%	4455 VA	4455 VA	**Total Conn.:** 76 A
Receptacles	100.00%	8636 VA	8636 VA	**Total Est. Demand:** 76 A

Count

#12 Homerun	66EA	#4 Homerun	2EA	#6 Homerun	2EA	#4/0 Homerun	1EA
#8 Homerun	11EA	#10 Homerun	24EA	#1/0 Homerun	1EA		