

Distribution: 899-HP-1-01

Location: ELECTRICAL 17-1-041

Supply From: 899-ATS-1-01

Mounting: Surface

Enclosure: Type 1

Volts: 480/277 Wye & GRD

Phases: 3

Wires: 4

A.I.C. Rating: 65KAIC

Main's Type: MCB

Mains Rating: 800 A

MCB Rating: 800 A

Notes:

CKT	Circuit Description	# of Poles	Frame Size	Trip Rating	Load	Remarks
899-HP-1-011	PLUMBING RM. 899-EH-1-02 3#12 & 1#12G - 3/4"C	3	30 A	20 A	5.00 kVA	
899-HP-1-012	899-HP-XFMR-04 (899-PL-1-04)	3	200 A	125 A	75.90 kVA	75 KVA XFMR (CLG. MTD.)
899-HP-1-013	899-HP-XFMR-03 (899-PL-1-02)	3	200 A	125 A	69.76 kVA	75 KVA XFMR (CLG. MTD.)
899-HP-1-014	899-HP-1-02	3	100 A	60 A	14.82 kVA	LIGHTING PANEL
899-HP-1-015	899-HP-VFMR-02 (899-PL-1-01)	3	200 A	125 A	60.34 kVA	75 KVA XFMR (CLG. MTD.)
899-HP-1-016	899-DWH-1-02 - 3#6 & 1#10G - 1"C	3	60 A	60 A	30.00 kVA	
899-HP-1-017	899-DWH-1-01 - 3#10 & 1#10G - 3/4"C	3	20 A	20 A	12.00 kVA	
899-HP-1-018	899-DOAS-R-01 - 3#10 & 1#6G - 2"C	3	200 A	125 A	98.89 kVA	
899-HP-1-019	899-DOAS-R-02 (899-PL-1-01)	3	200 A	125 A	98.89 kVA	
899-HP-1-0110	899-EH-1-01 - 3#10 & 1#10G - 3/4"C	3	30 A	30 A	5.00 kVA	
899-HP-1-0111	899-CU-R-01 - 3#10 & 1#10G - 3/4"C	3	20 A	25 A	17.53 kVA	
899-HP-1-0112	899-CU-R-02 - 3#10 & 1#10G - 3/4"C	3	30 A	25 A	17.53 kVA	
899-HP-1-0113	899-CU-R-03 - 3#10 & 1#10G - 3/4"C	3	30 A	25 A	17.53 kVA	
899-HP-1-0114	899-CU-R-04 - 3#10 & 1#10G - 3/4"C	3	30 A	25 A	17.53 kVA	
899-HP-1-0115	899-CU-R-05 - 3#10 & 1#10G - 3/4"C	3	30 A	25 A	17.53 kVA	
899-HP-1-0116	Spare	3	--	100 A	0.00 kVA	(100AMP FRAME)
899-HP-1-0117	Spare (FOR FUTURE SOLAR PANEL)	3	--	250 A	0.00 kVA	(400AMP FRAME)
899-HP-1-0118						
Total Conn. Load:					559.86 kVA	
Total Amps:					673 A	

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals
HVAC	141.57 kVA	75.00%	106.18 kVA	Total Conn. Load: 559.86 kVA Total Est. Demand: 493.87 kVA Total Conn. Current: 673 A Total Est. Demand Current: 594 A
Heating	287.23 kVA	100.00%	287.23 kVA	
Kitchen Equipment - Non-Dwelling Unit	8.70 kVA	65.00%	5.66 kVA	
Lighting	14.70 kVA	100.00%	14.70 kVA	
Other	59.85 kVA	85.00%	50.87 kVA	
Power	0.36 kVA	100.00%	0.36 kVA	
Receptacle	47.14 kVA	60.00%	28.57 kVA	
Spare	0.32 kVA	100.00%	0.32 kVA	

1. FOR ADDITIONAL FEEDER SIZE, REFER TO POWER RISER DIAGRAM IN DRAWING E-700

Branch Panel: 899-LP-1-013

Location: ELEC CLOSET 17-1-013

Supply From: 899-HP-XFMR-03

Mounting: Surface

Enclosure: Type 1

Volts: 120/208 Wye & GRD

Phases: 3

Wires: 4

A.I.C. Rating: 22kVAIC

Main's Type: M.C.B

Main's Rating: 225 A

MCB Rating: 225 A

Notes:

CKT	Circuit Description	Trip	Poles	A	B	C	Poles	Trip	Circuit Description	CKT
899-LP-1-0291	ELEC CLOSET GUTTER KING CP (GFCI BRK.)	20 A	1	0.20 kVA 0.19 kVA	0.50 kVA 0.58 kVA		2	15 A	899-BSB-1-03, 04, AND 05 UNITS 2#12 & 1#120 - 3/4" C	899-LP-1-0292
899-LP-1-0293	MAIN ENTRY EXTERIOR LIGHTING	20 A	1							899-LP-1-0284
899-LP-1-0295	LP3 FIXTURES LOBBY/CONF. RM. LIGHTING	20 A	1			0.50 kVA 0.25 kVA	2	20 A		899-LP-1-0286
899-LP-1-0297	899-AC-1-050, 050, 05E, AND RSF UNITS 2#10 & 1#100 - 3/4" C	20 A	2	0.49 kVA 0.25 kVA	0.49 kVA 0.50 kVA		2	20 A		899-LP-1-0288
899-LP-1-0299		20 A	2			0.50 kVA 0.50 kVA	2	30 A		899-LP-1-0290
899-LP-1-02911	GUTTER DE-ICING (GFCI BRK.) 2#10 & 1#100 - 3/4" C	20 A	2	0.50 kVA 1.32 kVA	0.64 kVA 1.32 kVA		2	20 A		899-LP-1-0292
899-LP-1-02913		20 A	2			0.64 kVA 0.86 kVA	2	20 A		899-LP-1-0294
899-LP-1-02915	899-AC-AE, 04E, 05A, AND 05B UNITS 2#10 & 1#100 - 3/4" C	20 A	2			0.64 kVA 0.86 kVA	2	20 A		899-LP-1-0296
899-LP-1-02917		20 A	2			0.64 kVA 0.86 kVA	2	20 A		899-LP-1-0298
899-LP-1-02919		20 A	2	0.38 kVA 0.86 kVA	0.86 kVA		2	20 A		899-LP-1-0300
899-LP-1-02921	899-LP-1-02A	100 A	3		7.22 kVA 1.94 kVA		2	30 A		899-LP-1-02922
899-LP-1-02923		20 A	1			7.18 kVA 1.94 kVA	2	30 A		899-LP-1-02924
899-LP-1-02925	HEAT TRACING - ITEM AB (GFCI BRK.)	20 A	1	0.40 kVA 2.11 kVA	0.60 kVA 2.09 kVA	1.19 kVA 2.50 kVA	3	50 A		899-LP-1-02926
899-LP-1-02927	STORAGE TRAP PRIMERS ITEM B3	20 A	1							899-LP-1-02928
899-LP-1-02929	HEAT MAT STAFF LOUNGE 2#12 & 1#120 - 3/4" C (GFCI BRK.)	20 A	2	1.19 kVA 0.40 kVA	0.00 kVA 1.32 kVA		1	20 A		899-LP-1-02930
899-LP-1-02931	Spare	20 A	1							899-LP-1-02932
899-LP-1-02933	PRESCHOOL/KREP PLAYGROUND HEAT TRACING - ITEM AB (GFCI BRK.)	20 A	1			0.40 kVA 1.32 kVA	2	20 A		899-LP-1-02934
899-LP-1-02935	HEAT MAT KREP 2 - 2#12 & 1#120 - 3/4" C (GFCI BRK.)	20 A	2	1.32 kVA 1.94 kVA	1.32 kVA 1.94 kVA	1.32 kVA 1.94 kVA	2	30 A		899-LP-1-02936
899-LP-1-02937		20 A	2			1.32 kVA 1.94 kVA	2	30 A		899-LP-1-02938
899-LP-1-02941	HEAT MAT PRESCHOOL 2 - 2#12 & 1#120 - 3/4" C (GFCI BRK.)	20 A	2	1.32 kVA 1.94 kVA	1.94 kVA 0.50 kVA	1.84 kVA 0.50 kVA	2	20 A		899-LP-1-02940
899-LP-1-02943		20 A	2			1.84 kVA 0.50 kVA	2	20 A		899-LP-1-02942
899-LP-1-02945	HEAT MAT PRESCHOOL 2#10 & 1#100 - 3/4" C (GFCI BRK.)	20 A	2	0.00 kVA 0.50 kVA	0.00 kVA 0.50 kVA		2	20 A		899-LP-1-02944
899-LP-1-02947		20 A	1							899-LP-1-02946
899-LP-1-02949	GUTTER DE-ICING (GFCI BRK.) 2#10 & 1#100 - 3/4" C	20 A	1	0.00 kVA 0.50 kVA	0.00 kVA 0.50 kVA		2	20 A		899-LP-1-02948
899-LP-1-02951	Spare	20 A	1			0.00 kVA 0.00 kVA	1	20 A		899-LP-1-02950
899-LP-1-02953	Spare	20 A	1							899-LP-1-02952
899-LP-1-02955	Spare	20 A	1	0.00 kVA 0.00 kVA	0.00 kVA 0.00 kVA		1	20 A		899-LP-1-02954
899-LP-1-02957	Spare	20 A	1							899-LP-1-02956
899-LP-1-02959	Spare	20 A	1			0.00 kVA 0.00 kVA	1	20 A		899-LP-1-02958
899-LP-1-02961	Spare	20 A	1	0.00 kVA 0.00 kVA	0.00 kVA		1	20 A		899-LP-1-02962
899-LP-1-02963		20 A	1			0.00 kVA 0.00 kVA	1	20 A		899-LP-1-02964
899-LP-1-02965	Spare	20 A	1							899-LP-1-02966
				Total Load:	23.28 kVA	23.01 kVA	23.48 kVA			
				Total Amps:	194 A	192 A	196 A			

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals
HVAC	4.35 kVA	75.00%	3.26 kVA	Total Conn. Load: 69.76 kVA Total Est. Demand: 62.38 kVA Total Conn. Current: 194 A Total Est. Demand Current: 173 A
Heating	33.65 kVA	100.00%	33.65 kVA	
Kitchen Equipment - Non-Dwelling Unit	3.00 kVA	80.00%	2.40 kVA	
Lighting	1.00 kVA	100.00%	1.00 kVA	
Other	6.58 kVA	65.00%	7.29 kVA	
Power	0.36 kVA	100.00%	0.36 kVA	
Receptacle	18.82 kVA	76.57%	14.41 kVA	

Branch Panel: 899-HP-1-01

Location: ELEC CLOSET 17-1-013

Supply From: 899-HP-1-01

Mounting: Surface

Enclosure: Type 1

Volts: 480/277 Wye & GRD

Phases: 3

Wires: 4

A.I.C. Rating: 65kAIC

Main's Type: M.C.B

Main's Rating: 100 A

MCB Rating: 60 A

Notes:

CKT	Circuit Description	Trip	Poles	A	B	C	Poles	Trip	Circuit Description	CKT	
899-HP-1-0241	PARKING AREA/ENTRY SITE LIGHTING 2#8 & 1#8G -1°C	30 A	1	1.29 kVA	0.81 kVA			1	20 A	PARKING AREA/GEN. SITE LIGHTING 2#8 & 1#8G -1°C	899-HP-1-0242
899-HP-1-0243	Spare	30 A	1		0.00 kVA	0.55 kVA		1	20 A	BLDG. EXT. ENTRY/INFANT/TODDLER PLAYGRD. LTC. 2#10 &...	899-HP-1-0244
899-HP-1-0245	PRESCHOOL I/2 CLASSROOM/RESTRM. LTG.	30 A	1			1.28 kVA	1.28 kVA	1	20 A	KREP I/2 CLASSROOM/RESTRM. LTG.	899-HP-1-0246
899-HP-1-0247	INFANT I-4 CLASSROOM/CHANGING STATION LTC.	30 A	1	1.51 kVA	0.41 kVA			1	20 A	KREP/PRESCHOOL CORRIDOR LIGHTING	899-HP-1-0248
899-HP-1-0249	TODDLER 1 - 4 CLASSROOM/CHANGING STATION LTC.	30 A	1		1.61 kVA	1.86 kVA		1	20 A	STPE LOUNGE/INNOVATION/OFFICE/LOBBY CONF./STUDIO/MVMT...	899-HP-1-024910
899-HP-1-02411	INFANT/TODDLER CLASSROOMS CORRIDOR LIGHTING	30 A	1			0.52 kVA	0.00 kVA	1	20 A	Spare	899-HP-1-02412
899-HP-1-02413	ROOF MEP AREA LIGHTING	30 A	1	0.08 kVA	0.50 kVA			1	20 A	ELEC CLOSET - 899-TF-1-01	899-HP-1-02414
899-HP-1-02415	ELEC/ WARMING STORAGE/ STORAGE LIGHTING	30 A	1		0.98 kVA	0.22 kVA		1	20 A	EXIT LIGHTS	899-HP-1-02416
899-HP-1-02417	LOBBY/RECEPTION/ CORRIDOR/COPY/WORK LIGHTING	30 A	1			0.86 kVA	0.22 kVA	1	20 A	EXIT LIGHTS	899-HP-1-02418
899-HP-1-02419	BLDG. EXT. PARKING/KREP/PRESCH...	30 A	1	0.46 kVA	0.00 kVA			1	20 A	Spare	899-HP-1-02420
899-HP-1-02421	Spare	30 A	1		0.00 kVA	0.00 kVA		1	20 A	Spare	899-HP-1-02422
899-HP-1-02423	TELE/DATA 899-TF-1-02	30 A	1			0.50 kVA	0.00 kVA	1	20 A	Spare	899-HP-1-02424
Total Load:				5.07 kVA	5.20 kVA	4.65 kVA					
Total Amps:				19 A	19 A	17 A					

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals
Owner	13.70 kVA	100.00%	13.70 kVA	Total Conn. Load: 14.92 kVA
Spare	1.00 kVA	85.00%	0.85 kVA	Total Est. Demand: 14.77 kVA
	0.22 kVA	100.00%	0.22 kVA	Total Conn. Current: 18 A
				Total Est. Demand Current: 18 A

Branch Panel: 899-LP-1-02A

Location: ELEC CLOSET LP-1-013

Supply From: 899-LP-1-02

Mounting: Surface

Enclosure: Type 1

Volts: 120/208 Wye & GRD

Phases: 3

Wires: 4

A.I.C. Rating: 23kAIC

Main Type: M.C.B

Mains Rating: 100 A

MCB Rating: 100 A

Notes:

CKT	Circuit Description	Trip	Poles	A	B	C	Poles	Trip	Circuit Description	CKT
899-LP-1-02A#1	PARKING AREA SECURITY/ACCESS DEVICE (ITEM A0)	20 A	1	0.20 kVA	0.36 kVA		1	20 A	PLUMBING/STORAGE RECEPTABLES	899-LP-1-02A#2
899-LP-1-02A#3	SECURITY/ACCESS DEVICE (ITEM A0)	20 A	1		0.20 kVA	0.54 kVA	1	20 A	INNOVATION STUDIO RECEPTABLES	899-LP-1-02A#4
899-LP-1-02A#5	EXTERIOR RECEPTABLES - CLASSROOMS	20 A	1			0.36 kVA	0.60 kVA	1	STAFF LOUNGE PANTRY APPLIANCE	899-LP-1-02A#6
899-LP-1-02A#7	K/REP 1/2 CLASSROOM RESTROOM RECEPTABLES	20 A	1	0.72 kVA	1.26 kVA		1	20 A	STORAGE/CELEC RECEPTABLES	899-LP-1-02A#8
899-LP-1-02A#9	STAFF LOUNGE PANTRY APPLIANCE	20 A	1		0.60 kVA	1.20 kVA	1	20 A	PRESCHOOL 1/2 CLASSROOM RESTROOM RECEPTABLES	899-LP-1-02A#10
899-LP-1-02A#11	STAFF LOUNGE WIREMOLD	20 A	1			0.50 kVA	0.72 kVA	1	STAFF LOUNGE PANTRY APPLIANCE	899-LP-1-02A#12
899-LP-1-02A#13	K/REP 1/2 CLASSROOM RECEPTABLES	20 A	1	1.44 kVA	0.18 kVA		1	20 A	PRINTER/COPIER RECEPTABLE	899-LP-1-02A#14
899-LP-1-02A#15	PRESCHOOL 1/2 CLASSROOM/RESTROOM RECEPTABLES	20 A	1		1.44 kVA	0.18 kVA	1	20 A	PRINTER/COPIER RECEPTABLE	899-LP-1-02A#16
899-LP-1-02A#17	K/REP 1 CLASSROOM RECEPTABLES	20 A	1			1.62 kVA	0.18 kVA	1	PARKING AREA SECURITY/ACCESS DEVICE (ITEM A0)	899-LP-1-02A#18
899-LP-1-02A#19	STAFF LOUNGE RECEPTABLES	20 A	1	0.54 kVA	0.72 kVA		1	20 A	CONFERENCE RM RECEPTABLES	899-LP-1-02A#20
899-LP-1-02A#21	INNOVATION STUDIO RECEPTABLES	20 A	1		0.36 kVA	0.72 kVA	1	20 A	K/REP/PRESCHOOL/COPY/WORK CORRIDOR RECEPTABLES	899-LP-1-02A#22
899-LP-1-02A#23	INNOVATION STUDIO RECEPTABLES	20 A	1			0.36 kVA	0.72 kVA	1	DIRECTORS OFFICE RECEPTABLES	899-LP-1-02A#24
899-LP-1-02A#25	K/REP 2 CLASSROOM RECEPTABLES	20 A	1	1.62 kVA	0.72 kVA		1	20 A	ROOF RECEPTABLES	899-LP-1-02A#26
899-LP-1-02A#27	PRESCHOOL 1 CLASSROOM RECEPTABLES	20 A	1		1.62 kVA	0.36 kVA	1	20 A	DOAS INTERNAL LIGHTING	899-LP-1-02A#28
899-LP-1-02A#29	PRESCHOOL 1 CLASSROOM RECEPTABLES	20 A	1			1.62 kVA	0.50 kVA	1	STAFF LOUNGE WIREMOLD	899-LP-1-02A#30
899-LP-1-02A#31	Spare	20 A	1	0.00 kVA	0.60 kVA		1	20 A	STAFF LOUNGE ITEM A9 - WATER COOLER	899-LP-1-02A#32
899-LP-1-02A#33	Spare	20 A	1		0.00 kVA	0.00 kVA	1	20 A	Spare	899-LP-1-02A#34
899-LP-1-02A#35	Spare	20 A	1			0.00 kVA	0.00 kVA	1	Spare	899-LP-1-02A#36
899-LP-1-02A#37	Spare	20 A	1	0.00 kVA	0.00 kVA		1	20 A	Spare	899-LP-1-02A#38
899-LP-1-02A#39	Spare	20 A	1		0.00 kVA	0.00 kVA	1	20 A	Spare	899-LP-1-02A#40
899-LP-1-02A#41	Spare	20 A	1			0.00 kVA	0.00 kVA	1	Spare	899-LP-1-02A#42
				Total Load:	8.36 kVA	7.22 kVA	7.16 kVA			
				Total Amps:	70 A	60 A	60 A			
Legend:										
Load Classification				Connected Load	Demand Factor	Estimated Demand	Panel Totals			
Kitchen Equipment - Non-Dwelling Unit				3.00 kVA	80.00%	2.40 kVA				
Other				0.94 kVA	85.00%	0.80 kVA	Total Conn. Load: 22.76 kVA			
Power				0.36 kVA	100.00%	0.36 kVA	Total Est. Demand: 17.79 kVA			
Receptacle				18.46 kVA	77.09%	14.23 kVA	Total Conn. Current: 63 A			
							Total Est. Demand Current: 49 A			

PANEL SCHEDULE NOTES:

1. PROVIDE BMS INTERFACE IS LIMITED TO DISABLING FLOOR RADIANT HEAT COORDINATE EXACT CRITERIA/WIRING REQUIREMENTS WITH BMS VENDOR.
2. ALL WIRING SHALL BE 2#12 & 1#12G - 3/4" UNLESS OTHERWISE NOTED.
3. ALL RUNS OF 75 FEET SHALL BE #10 AWG.
4. ENERGY METERS NOTED ON E-700 MAYBE INTEGRATED UNTO THE PANELBOARD IN LIEU OF PROVIDING A SEPARATE WALL MOUNTED UNIT.

Branch Panel: 899-LP-1-041

Location: ELECTRICAL 17-1-041
Supply From: 899-HP-XFMR-02
Mounting: Surface
Enclosure: Type 1

Volts: 120/208 Wye & GRD
Phases: 3
Wires: 4

A.I.C. Rating: 23KAIC
Main's Type: M.C.B
Main's Rating: 225 A
MCB Rating: 225 A

Notes:

CKT	Circuit Description	Trip	Poles	A	B	C	Poles	Trip	Circuit Description	CKT
899-LP-1-01#1	FA PANEL 3#10 & 1#10G - 3/4"C (LOCKABLE TYP. BRK.) - TELE DAT...	20 A	1	0.18 kVA 0.03 kVA						899-LP-1-01#2
899-LP-1-01#3	HEAT MAT TODDLER 3 2#8 & 1#10G 3/4"C (GFCI BRK.)	20 A	2		2.26 kVA 0.03 kVA			2	20 A 899-AC-1-07- 2#12 & 1#12G - 3/4"	899-LP-1-01#4
899-LP-1-01#5						2.26 kVA 0.50 kVA		1	20 A 899-TFC-1-03	899-LP-1-01#6
899-LP-1-01#7				0.05 kVA 1.73 kVA						899-LP-1-01#8
899-LP-1-01#9	899-GXF-R-01 2#12 & 1#12G - 3/4"	20 A	2		0.05 kVA 2.18 kVA			3	60 A 767-LP-1-03 (GENERATOR PANEL) FOR FEEDER SIZE REFER TO ONE LINE DIAGRAM	899-LP-1-01#10
899-LP-1-01#11						0.18 kVA 1.50 kVA				899-LP-1-01#12
899-LP-1-01#13	899-AC-1-06 2#12 & 1#12G - 3/4"	20 A	2	0.18 kVA 0.79 kVA				2	20 A 899-AC-1-02A, 02B, 02C, 02D, AND 02E AC UNITS 2#10 & 1#10G - 3/4"	899-LP-1-01#14
899-LP-1-01#15	899-AC-1-03A, 03B, 03C, 03D, AND 03E UNITS 2#10 & 1#10G - 3/4"	20 A	2		0.80 kVA 0.79 kVA					899-LP-1-01#16
899-LP-1-01#17						0.90 kVA 1.05 kVA				899-LP-1-01#18
899-LP-1-01#19	HEAT MAT INFANT 3 2#12 & 1#12G - 3/4"C (GFCI BREAKER)	20 A	2	1.30 kVA 1.05 kVA				2	20 A 899-AC-1-01A, 01B, 01C, 01D UNITS 2#10 & 1#10G - 3/4"	899-LP-1-01#20
899-LP-1-01#21					1.30 kVA 1.30 kVA					899-LP-1-01#22
899-LP-1-01#23	HEAT MAT TODDLER 1 2#8 & 1#10G 3/4"C (GFCI BRK.)	30 A	2			2.26 kVA 1.30 kVA		2	20 A HEAT MAT INFANT 3 2#12 & 1#12G 3/4"C (GFCI BREAKER)	899-LP-1-01#24
899-LP-1-01#25				2.26 kVA 0.15 kVA				2	20 A 899-AC-1-02F AND 02G UNITS 2#10 & 1#10G - 3/4"	899-LP-1-01#26
899-LP-1-01#27	899-TXF-R-02 2#12 & 1#12G - 3/4"	20 A	2		0.05 kVA 0.15 kVA					899-LP-1-01#28
899-LP-1-01#29						0.05 kVA 0.00 kVA		1	20 A Spare	899-LP-1-01#30
899-LP-1-01#31				0.05 kVA 0.25 kVA						899-LP-1-01#32
899-LP-1-01#33	899-TXF-R-01 2#12 & 1#12G - 3/4"	20 A	2		0.05 kVA 0.25 kVA			2	20 A 899-CU-1-06 2#12 & 1#12G - 3/4"	899-LP-1-01#34
899-LP-1-01#35						0.05 kVA 0.25 kVA		2	20 A WATER HEATER RM RIRC CIRC PUMP 2#12 & 1#12G - 3/4"	899-LP-1-01#36
899-LP-1-01#37				0.05 kVA 0.25 kVA						899-LP-1-01#38
899-LP-1-01#39					0.25 kVA 1.30 kVA					899-LP-1-01#40
899-LP-1-01#41	899-CU-1-07 2#12 & 1#12G - 3/4"	20 A	2			0.25 kVA 1.30 kVA		2	20 A HEAT MAT INFANT 2 2#12 & 1#12G 3/4"C (GFCI BREAKER)	899-LP-1-01#42
899-LP-1-01#43	HEAT MAT INFANT 1 2#12 & 1#12G - 3/4"C (GFCI BREAKER)	20 A	2	1.30 kVA 1.30 kVA						899-LP-1-01#44
899-LP-1-01#45					1.30 kVA 1.30 kVA			2	20 A HEAT MAT INFANT 1 2#12 & 1#12G 3/4"C (GFCI BREAKER)	899-LP-1-01#46
899-LP-1-01#47	HEAT MAT INFANT 4 2#10 & 1#10G - 3/4"C (GFCI BREAKER)	20 A	2			1.30 kVA 1.30 kVA		2	20 A HEAT MAT INFANT 4 2#12 & 1#12G 3/4"C (GFCI BREAKER)	899-LP-1-01#48
899-LP-1-01#49				1.30 kVA 1.30 kVA						899-LP-1-01#50
899-LP-1-01#51	HEAT MAT INFANT 2 2#12 & 1#12G - 3/4"C (GFCI BREAKER)	20 A	2		1.30 kVA 1.66 kVA			2	20 A HEAT MAT MOVEMENT MATTERS 2#10 & 1#10G - 3/4"C (GFCI BRK.) - ADD ALT.	899-LP-1-01#52
899-LP-1-01#53				1.30 kVA		1.30 kVA 1.66 kVA				899-LP-1-01#54
899-LP-1-01#55	HEAT MAT TODDLER 2 2#8 & 1#10G 3/4"C (GFCI BRK.)	30 A	2	2.26 kVA 1.83 kVA				2	20 A HEAT MAT MOVEMENT MATTERS 2#10 & 1#10G - 3/4"C (GFCI BRK.) - ADD ALT.	899-LP-1-01#56
899-LP-1-01#57					2.26 kVA 1.83 kVA					899-LP-1-01#58
899-LP-1-01#59	HEAT MAT TODDLER 4 2#10 & 1#10G 3/4"C (GFCI BRK.)	30 A	2			2.26 kVA 0.00 kVA		1	20 A ERCS PANEL 3#10 & 1#10G - 3/4"C (LOCKABLE TYP. BRK.) - TELE DAT...	899-LP-1-01#60
899-LP-1-01#61				2.26 kVA 0.00 kVA				1	20 A Spare	899-LP-1-01#62
899-LP-1-01#63	Spare	20 A	1		0.00 kVA 0.00 kVA			1	20 A Spare	899-LP-1-01#64
899-LP-1-01#65	Spare	20 A	1			0.00 kVA 0.00 kVA		1	20 A Spare	899-LP-1-01#66
899-LP-1-01#67	Spare	20 A	1	0.00 kVA 0.00 kVA				1	20 A Spare	899-LP-1-01#68
899-LP-1-01#69	Spare	20 A	1		0.00 kVA 0.00 kVA			1	20 A Spare	899-LP-1-01#70
899-LP-1-01#71	Spare	20 A	1			0.00 kVA 0.00 kVA		1	20 A Spare	899-LP-1-01#72
899-LP-1-01#73	Spare	20 A	1	0.00 kVA 0.00 kVA				1	20 A Spare	899-LP-1-01#74
899-LP-1-01#75	Spare	20 A	1		0.00 kVA 0.00 kVA			1	20 A Spare	899-LP-1-01#76
899-LP-1-01#77	Spare	20 A	1			0.00 kVA 0.00 kVA		1	20 A Spare	899-LP-1-01#78
899-LP-1-01#79	Spare	20 A	1	0.00 kVA 0.00 kVA				1	20 A Spare	899-LP-1-01#80
899-LP-1-01#81	Spare	20 A	1		0.00 kVA 0.00 kVA			1	20 A Spare	899-LP-1-01#82
899-LP-1-01#83	Spare	20 A	1			0.00 kVA 0.00 kVA		1	20 A Spare	899-LP-1-01#84
Total Load:				19.93 kVA	21.40 kVA	19.64 kVA				
Total Amps:				165 A	179 A	164 A				

Branch Panel: 899-LP-1-03

Location:
Supply From: 899-LP-1-01
Mounting: Surface
Enclosure: Type 1

Volts: 120/208 Wye & GRD
Phases: 3
Wires: 4

A.I.C. Rating: 25KAIC
Main's Type: M.C.B
Main's Rating: 100 A
MCB Rating: @0 A

Notes:
GENERATOR MOUNTED - NEMA 3R

CKT	Circuit Description	Trip	Poles		A	B	C	Poles	Trip	Circuit Description	CKT
899-LP-1-03#1	GEN DAMPER (INTERNAL WIRING TO GENERATOR)	20 A	1	0.08 kVA	0.08 kVA			1	20 A	GEN HEATER (INTERNAL WIRING TO GENERATOR)	899-LP-1-03#2
899-LP-1-03#5	GEN CUTLETER (INTERNAL WIRING TO GENERATOR)	20 A	1		0.18 kVA	1.50 kVA		2	30 A	BATT CHARGER AND BLOCK 2#10 & JUDGE - JMS (INTERNAL WIRING TO GENERATOR)	899-LP-1-03#4
899-LP-1-03#5	Spare	20 A	1				0.00 kVA	1.50 kVA	1	20 A	899-LP-1-03#6
899-LP-1-03#7	PORTABLE GEN. BATT CHARGER AND BLOCK 2#10 & #1105 - 34°C (INTERNAL WIRING TO GENERATOR)	30 A	2	1.50 kVA	0.08 kVA			1	20 A	PORTABLE GEN. HEATER (INTERNAL WIRING TO GENERATOR)	899-LP-1-03#8
899-LP-1-03#9	Spare	20 A	1		1.50 kVA	0.00 kVA		1	20 A	Spare	899-LP-1-03#10
899-LP-1-03#11	Spare	20 A	1				0.00 kVA	0.00 kVA	20 A	Spare	899-LP-1-03#12
899-LP-1-03#13	Spare	20 A	1	0.00 kVA	0.00 kVA			1	20 A	Spare	899-LP-1-03#14
899-LP-1-03#15	Space	--	--		0.00 kVA	0.00 kVA		--	--	Space	899-LP-1-03#16
899-LP-1-03#17	Space	--	--				0.00 kVA		--	Space	899-LP-1-03#18
Total Load:				1.73 kVA		3.18 kVA	1.50 kVA				
Total Amps:				15 A		27 A	13 A				

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals
Other	6.23 kVA	85.00%	5.29 kVA	Total Conn. Load: 6.41 kVA Total Est. Demand: 5.47 kVA Total Conn. Current: 18 A Total Est. Demand Current: 15 A
Receptacle	0.18 kVA	100.00%	0.18 kVA	

REGENERON
REAL ESTATE &
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Building #17
Campus Expansion Child
Day-care Center

777 Old Saw Mill River Road
Mount Pleasant, NY 10591

Project No. B17-DAYCARE

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Gensler

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Structural Engineer

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MEP / IT / Security Engineer

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(212) 615-3700 Fax

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(914) 273-2102 Fax

Landscape Architect

Langan
21 Penn Plaza, 360 West 31st Street, 8th Floor
New York, NY 10001
(212) 479-5400 Phone
(212) 479-5444 Fax

Key Plan

No.	Date	Description
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0	06.20.2022	ISSUED FOR PERMIT
1	06.20.2022	100% CONSTRUCTION DOCUMENTS
2	07.01.2022	100% CONSTRUCTION DOCUMENTS-3

[illegible]

Plot Date: 07.01.2022

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Professional Seal and Signature

Vendor Name: COSENTINI

Discipline: Electrical Drawn By: AI

ELECTRICAL SCHEDULES
SHEET 1

Scale: _____ Floor: _____

Γ 600

E-000

FILE: BIM 350/J005.3508.000 - Regeneron, Day Care Facility Tarrytown210104_TTCX Daycare_E_2020.rvt PLOTTED ON 11/23/21