

# **Attachment 1 - Inventory of Electrical Power Distribution Equipment and Cables to be Maintained, Inspected, and/or Tested Under This Scope of Work**

## 1) Switchgear Assemblies, Low-Voltage.

Location	Device ID	Current Rating
B14	MDP	1200
B58	Switchgear 58	3200
B98	B98 Service (indoor)	2000
B98	B98 Service (outdoor)	2000
B98	B98 Service (outdoor)	2000
B104	104 Switchboard	1200
B140	MDP	1200

## 2) Transformers, Liquid-Filled.

Transformer	kVA	Primary	Secondary	Circuit
T/13	225	4,160 V	208 V	2
T/14	500	4,160 V	208 V	2
T/19	150	4,160 V	208 V	9
T/22	225	4,160 V	208 V	4
T/26 (old T/48)	300	4,160 V	208 V	9
T/30	112.5	4,160 V	208 V	9
T/33	150	4,160 V	208 V	9
T/33A	75	4,160 V	208 V	9
T/39/40	75	4,160 V	208 V	9
T/49	75	4,160 V	208 V	9
T/58A	2,000	4,160 V	480 V	3
T/58B	300	4,160 V	480 V	9
T/60	112.5	4,160 V	208 V	2
T/64/72	225	4,160 V	208 V	9
T/68	75	4,160 V	208 V	9
T/93	150	4,160 V	208 V	2
T/98	1,500	4,160 V	480 V	3
T/100	300	4,160 V	480 V	3
T/101	1,000	4,160 V	480 V	6
T/102	1,000	4,160 V	480 V	5
T/103	1,000	4,160 V	480 V	7
T/104	2,000	4,160 V	480 V	8
T/125	300	4,160 V	208 V	8
T/128/129	300	4,160 V	208 V	2
T/130	150	4,160 V	208 V	2

T/131	150	4,160 V	208 V	2
T/132/133	750	4,160 V	208 V	2
T/140	500	4160 V	208 V	9

## 3) Switches, Bolted-Pressure, Low-Voltage.

Location	Device ID	Ampacity
B14	Main	1200

## 4) Switches, Air, Medium-Voltage, Metal-Enclosed.

Switch	Circuit
SW-MH46	2
S&C PMH-9	2
SW-MH26-A	3
SW-MH26-B	4
SW-MH28-A	3
SW-MH28-B	4
SW-MH49-A	3
SW-MH49-B	4
SW-MH34A	8
SW-MH22-A	9
SW-MH43	9
SW-MH25	9
SW-MH48	9
SW-MH54	2

## 5) Circuit Breakers, Air, Insulated-Case/ Molded-Case.

Location	Device ID	Trip Rating
B14	Chiller	400
B14	Generator	350
B14	Transfer Switch	400
B19	Main	400
B26	Main	400
B30	Main	400
B58	Generator	800
B60	Main	600
B64/72	Generator	150
B64/72	Main	600
B98	Generator	800

B125	Main	800
B128/129	Generator	800
B128/129	Main	800
B128/129	North	400
B128/129	South	400
B128/129	Spare	400
B130	Main	400
B130	Generator	250
B131	Main	400
B131	Generator	250
B132/133	Generator	600
B140	Generator	400
B140	Generator	100
B140	Generator	100
B140	Main	400
B140	Main	100
B140	Main	100
B140	Panel 1N1	200
B140	Panel 1N2	100
B140	Panel 1N3	100
B140	Panel 1N4	100
B140	Panel 2N1	200
B140	Panel 1ER1	400
B140	Panel 1CR1	100
B140	Panel 1LS1	100
B140	Panel SPD	60

6) Circuit Breakers, Draw-Out Air, Low-Voltage Power.

Location	Device ID	Frame Size
B58	58/DP1	800
B58	Alt Source	3200
B58	Bus Duct	800
B58	Chiller CK-1	800
B58	Chiller CK-2	800
B58	58/DP2	800
B58	58/K1	800
B58	Main	3200
B58	MCC-P1	800
B58	MCC-P2	800
B58	58/MSR	800
B58	58/NDP	800

B98	DP-A	600
B98	DP-B	600
B98	DP-C	600
B98	B-PH	600
B98	DSB	1600
B98	Main	3000
B98	MCC	225
B98	MCC 2	800
B98	New Main	2000
B98	Trane Ckt #1	600
B98	Trane Ckt #2	600A
B98	ATS 1	600
B98	ATS 2	600
B101	ATS 101	600
B101	DS-206	800
B101	Main	1600
B101	MCC	600
B101	MDP	600
B101	Spare	600
B101	T-1	600
B101	T-2	600
B101	T-3	600
B101	T-4	600
B101	T-5	600
B101	T-6	600
B102	Chiller	800
B102	Main	1600
B102	MCC	600
B102	PA 6	600
B102	PB	600
B102	Spare	600
B102	MCC	600
B103	PE	600
B103	EMN	800
B103	Main	1600
B103	PF	600
B103	Spare	600
B104	Alt Source	3200
B104	FDR Trane Chiller	600
B104	EM #1 B102	600
B104	EM #2 B103	600
B104	EM #3 B101	600

B104	EM #4 B104	600
B104	FDR EMN	600
B104	EP B125	800
B104	FDR 1	600
B104	FDR 2	600
B104	FDR 3	600
B104	FDR 4	600
B104	FDR 5	600
B104	FDR 6	600
B104	Generator	1400
B104	New Main	3200
B104	Old Main	1600
B104	Panel NX	800

7) Circuit Breakers, Medium-Voltage Power

Location	Device ID	Trip Rating
B99	Circuit 1	1200
B99	Circuit 2	1200
B99	Circuit 3	1200
B99	Circuit 4	1200
B99	Circuit 5	1200
B99	Circuit 6	1200
B99	Circuit 7	1200
B99	Circuit 8	1200
B99	Circuit 9	1200
B99	Spare	1200
B99	Spare	1200

8) Protective Relays, Electronic, Medium-Voltage.

Location	Device ID	Description
B99	RLY-102A	GE MULTILIN 350
B99	RLY-104B	GE MULTILIN 350
B99	RLY-109A	GE MULTILIN 350
B99	RLY-F1	GE MULTILIN 350
B99	RLY-F2	GE MULTILIN 350
B99	RLY-F3	GE MULTILIN 350
B99	RLY-F4	GE MULTILIN 350
B99	RLY-F5	GE MULTILIN 350
B99	RLY-F6	GE MULTILIN 350
B99	RLY-F7	GE MULTILIN 350

B99	RLY-F8	GE MULTILIN 350
B99	RLY-F9	GE MULTILIN 350
B99	RLY-MAIN-1	GE MULTILIN 750
B99	RLY-MAIN-2	GE MULTILIN 750
B99	RLY-TIE	GE MULTILIN 750
B99	RLY-UTILITY	BASLER BE1-50/51B, Series 100

9) Facility Grounding Systems.

Buildings 14, 19, 22/69, 25, 49, 58, 60, 64/72, 93, 98, 99, 101, 102, 103, 104, 125, 128, 129, 130, 131, 132, 133, 140, 211, 212, 214, & 216.

10) Medium-Voltage Cables

<b>Cable</b>	<b>From</b>	<b>To</b>	<b>Size</b>
Circuit #2	B99 Main Sub	T/14, T/48, T/60, T/93, T/128/129, T/130/131, T/132/133	4/0
Circuit #3	B99 Main Sub	T/58A	500 MCM
Circuit #4	B99 Main Sub	T/98	500 MCM
Circuit #5	B99 Main Sub	T/102	4/0
T/103 – T/102	T/103	T/102	4/0
Circuit #6	B99 Main Sub	T/101	4/0
T/101 – T/104	T/101	T/104	4/0
Circuit #7	B99 Main Sub	T/103	4/0
Circuit #8	B99 Main Sub	T/104	4/0
Circuit #9	B99 Main Sub	T/26	4/0
T/64/72 – T/26	T/64/72	T/26	4/0
T/19 – T/68	T/19	T/68	4/0
T/30 – T/39/40	T/30	T/39/40	4/0
T/49 – T/33A	T/49	T/33A	4/0
SW-MH22A – T/140	SW-MH22A	T/140	4/0
T/58B – T/30	T/58B	T/30	4/0
T/64/72 – T/58B	T/64/72	T/58B	4/0
T/64/72 – T/49	T/64/72	T/49	4/0
*T/99 – B99 Main Sub	T/99	B99 Main Sub	*
* T/99 (69 kV / 4.16 kV) and cables to B99 Main Substation busway is owned by Ameren Illinois. Contractor shall coordinate with Ameren.			

## 11) Panelboards &amp; Disconnects (Inspection Only).

Building	Equipment ID	Volts	Size
B14	14/EM	208/120	400
B14	14/MDP	208/120	1200
B14	ATS	208/120	400
B14	T/14 Chiller Disconnect	600	400
B19	T/19 Main Disconnect	600	400
B19	19/MDP1	208/120	400
B19	19/MDP2	208/120	225
B19	19/MDP3	208/120	400
B22	22/MDP-1 (Left)	480	400
B22	22/MDP-2 (Right)	480	400
B25	25/MDP	208/120	400
B33	33/DP-1	208/120	600
B33	33/DP-2	208/120	400
B49	49/MDP	208/120	400
B58	58/MDP	480/277	600
B58	58/H	480/277	400
B58	58/DP2	480/277	250
B58	58/DP1	480/277	600
B58	Chiller Compressor 1&2	480	400
B58	Chiller Compressor 3&4	480	600
B58	58/NE	240/120	400
B58	58/EP4	480/277	250
B60	60/MDP1	208/120	400
B60	60/MDP2	208/120	225
B64	64/MDP	208/120	600
B68	68/MDP1	208/120	200
B93	93/MDP	208/120	400
B93	T1 Primary Disconnect	600	200
B93	T1 Secondary Disconnect	240	60
B98	Main Switchgear	480/277	3000
B98	98/DP-C	480/277	400
B98	98/EDP1	480/277	400
B98	98/EDP2	480/277	400
B98	98/ATS-1	480	400
B98	98/ATS-2	480	400
B98	98/ATS-3	480	400
B98	98/EMCC1	480	600
B98	98/EMCC2	480	600
B98	98/MCC1	480	600

B98	98/MCC2	480	600
B98	98/BPH	480/277	400
B98	98/2DP-A	480/277	400
B98	98/2DP-B	480/277	400
B98	98/DSB	480/277	1200
B98	98/2RP-A1	208/120	250
B98	98/2RP-A2	208/120	250
B98	98/2RP-A3	208/120	250
B98	98/2RP-B1	208/120	250
B98	98/2RP-B2	208/120	250
B98	98/2RP-B3	208/120	250
B98	2DP-A T1 Sec Disconnect	240	400
B98	2DP-B T2 Sec Disconnect	240	400
B98	Trane Ckt #1 Disconnect	480	800
B98	Trane Ckt #2 Disconnect	480	400
B101	101/EMCCA	480	N/L
B101	101/EMCCB	480	N/L
B101	101/MCC	480	N/L
B101	101/MDP-1	480/277	600
B101	101-1	480/277	800
B101	Main Switchgear	480/277	2000
B101	101/A1-A	208/120	250
B101	101/B1-A	208/120	250
B101	101/C1-A	208/120	250
B101	101/F1	480	800
B101	T1 Primary Disconnect	480	200
B101	T1 Sec Disconnect	240	100
B101	T2 Primary Disconnect	480	200
B101	T2 Sec Disconnect	240	100
B101	T3 Primary Disconnect	480	200
B101	T3 Sec Disconnect	240	100
B101	T4 Primary Disconnect	480	200
B101	T4 Sec Disconnect	240	100
B101	T5 Disconnect	480	200
B101	T6 Disconnect	480	200
B102	Main Switchboard	480/277	2000
B102	102/PA	480/277	600
B102	102/PAA	480/277	400
B102	Panel PB	480/277	600
B102	102/J5	208/120	250
B102	102/J6	208/120	250
B102	102/J7	208/120	250



B102	102/SK3	208/120	400
B102	102/EMA2	480	400
B102	102/PP1	480/277	400
B102	102/PP2	480/277	400
B102	102/PP3	480/277	400
B102	102/PP4	480/277	400
B102	102/A	208/120	250
B102	102/B	208/120	250
B102	102/AB	208/120	250
B102	102/C	208/120	250
B102	102/CD	208/120	250
B102	102/E	208/120	250
B102	102/F	208/120	250
B102	102/EF	208/120	250
B102	102/G	208/120	250
B102	102/H	208/120	250
B102	102/GH	208/120	250
B102	102/EAMLS	480/277	250
B102	102/EMACE	480/277	250
B102	102/EMBLS	480/277	250
B102	102/EMBCE	480/277	250
B102	102/MCC	480	N/L
B102	102/EMCC	480	N/L
B102	102/MDP1	480/277	800
B102	102/EDP	480	N/L
B103	Main Switchboard	480/277	1600
B103	103/PF	480/277	600
B103	103/MDP1	480/277	N/L
B103	103/EMCC	480/277	N/L
B103	103/MCC	480/277	600
B104	Main Switchboard	480/277	3200
B104	104/P2	480/277	600
B104	104/EMDP-2	480/277	400
B104	104/EMDP3	208/120	350
B125	125/MDP	208/120	800
B128/129	MDP1	208/120	800
B128/129	EMDP	208/120	400
B128	Panel A-1	208/120	400
B128	Panel A-2	208/120	400
B128	Panel EM-1	208/120	250
B128	Panel EM-2	208/120	250
B129	Panel A-1	208/120	400

B129	Panel A-2	208/120	400
B129	Panel EM-1	208/120	250
B129	Panel EM-2	208/120	250
B130	Panel EDP	208/120	250
B130	Panel NRP1	208/120	150
B130	Panel NRP2	208/120	150
B130	Panel NRP3	208/120	150
B130	Panel ELRP	208/120	150
B130	Panel EPP1	208/120	100
B130	Panel EPP2	208/120	150
B131	Panel EDP	208/120	250
B131	Panel NRP1	208/120	150
B131	Panel NRP2	208/120	150
B131	Panel NRP3	208/120	150
B131	Panel ELRP	208/120	150
B131	Panel EPP1	208/120	100
B131	Panel EPP2	208/120	150
B132	MDP	208/120	600
B133	MDP	208/120	600
B211	211-BP0	480/277	200
B211	211-BP1	208/120	110
B212	212-BP0	480/277	200
B212	212-BP1	208/120	110
B214	214-BP0	480/277	150
B214	214-BP1	208/120	110
B216	216-BP0	480/277	150
B216	216-BP1	208/120	110
B140	AHU-1	208	100
B140	AHU-2	208	60
B140	CU-1A	208	100
B140	CU-1B	208	100
B140	CU-2	208	100
B140	BPP-1	208	100
B140	HU-1A	208	100
B140	HU-1B	208	100

**End of Attachment 1**