



Estimate List, by estimates

Leo Wright

F.H. Paschen

0000 - NCPA - Base Term - 12/03/2018 to 11/30/2022

Schaumburg Station 22 MCC Replacement - NCPA RQN 2021-2261309970

Leo Wright

Estimator: Leo Wright

Schaumburg Station 22 MCC Replacement

Division Summary (MF04)

01 - General Requirements	\$41,489.75	23 - Heating, Ventilating, and Air-Conditioning (HVAC)	
02 - Existing Conditions		25 - Integrated Automation	
03 - Concrete		26 - Electrical	\$264,838.00
04 - Masonry		27 - Communications	
05 - Metals		28 - Electronic Safety and Security	
06 - Wood, Plastics, and Composites		31 - Earthwork	
07 - Thermal and Moisture Protection		32 - Exterior Improvements	
08 - Openings		33 - Utilities	
09 - Finishes		34 - Transportation	
10 - Specialties		35 - Waterway and Marine Transportation	
11 - Equipment		41 - Material Processing and Handling Equipment	
12 - Furnishings		44 - Pollution Control Equipment	
13 - Special Construction		46 - Water and Wastewater Equipment	
14 - Conveying Equipment		48 - Electric Power Generation	
21 - Fire Suppression		Other	\$5,381.75
22 - Plumbing		MF04 Total (Without totalling components)	\$311,709.50
Totalling Components			
Priced Line Items	\$311,709.50	NCPA - Regular Hours (-6.0000%)	\$(18,702.57)
RSMean NORTH SUBURBAN, IL CCI 2021Q3, 121.40%	\$66,705.83		

Grand Total **\$359,712.76**

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Item	Description	UM	Crew	Quantity	Material	Labor	Equipment	Unit Cost	Total	
1	01-00-00-00-0001	Owners Allowance	LSUM	1.0000	0.00	0.00	0.00	\$29,000.00	\$29,000.00	
2	01-11-31-30-0200	Engineering fees, electrical, minimum Engineering, design, and shop drawings for custom made MCC equipment	Contract	171,945.0000	0.00	0.00	0.00	4.1000%	\$7,049.75	
3	01-31-13-90-0100	Performance Bond, for buildings, maximum Provide project performance and payment bond	Job	360,000.0000	0.00	0.00	0.00	1.0000%	\$3,600.00	
4	01-54-36-50-1400	Mobilization or demobilization, delivery charge for equipment, hauled on 20-ton capacity towed trailer Mobilize and demobilize electrical equipment and material	Ea.	B-34U	2.0000	0.00	673.60	246.40	\$920.00	\$1,840.00
5	26-00-00-00-0001	MCC Equipment and Electrical Material Package Provide custom made Motor Control Center and misc equipment and materials per attached specifications. Line item is for material and equipment costs only.	LSum	1.0000	171,945.00	0.00	0.00	\$171,945.00	\$171,945.00	
6	26-05-13-10-3300	Cable terminations, outdoor systems, 35 kV, 400 kcmil to 750 kcmil stranded Cable terminations	Ea.	1 ELEC	6.0000	1,567.50	157.50	0.00	\$1,725.00	\$10,350.00
7	26-24-13-20-0290	Switchboards, main lugs only, 3 pole, 4 wire, to 480 volt, 1,200 amp LABOR ONLY. (4) aluminum 3/0 mechanical lugs in main section	Ea.	2 ELEC	4.0000	0.00	1,692.50	0.00	\$1,692.50	\$6,770.00
8	26-24-13-20-0440	R&R - Switchboards, main circuit breaker, 3 pole, 3 wire, to 600 volt, 1,200 amp LABOR ONLY. Remove and replace (1) 1200 Amp main breaker	Ea.	2 ELEC	1.0000	0.00	3,580.00	0.00	\$3,580.00	\$3,580.00
9	26-24-13-20-1610	Switchboards, busway connection, 400 amp LABOR ONLY. Busway connections.	Ea.	2 ELEC	6.0000	0.00	341.00	0.00	\$341.00	\$2,046.00
10	26-24-13-20-1620	Switchboards, busway connection, 600 amp LABOR ONLY. Busway connections.	Ea.	2 ELEC	6.0000	0.00	391.00	0.00	\$391.00	\$2,346.00
11	26-24-13-20-1640	Switchboards, busway connection, 1,200 amp LABOR ONLY. Busway connections.	Ea.	2 ELEC	6.0000	0.00	606.00	0.00	\$606.00	\$3,636.00
12	26-24-13-20-1740	Switchboards, shunt trip for remote operation, 1,200-2,000 amp LABOR ONLY. Electronic trip unit with power metering	Ea.	2 ELEC	1.0000	0.00	180.00	0.00	\$180.00	\$180.00
13	26-24-13-20-1940	Switchboards, 3 current transformer, 1,200 amp, factory installed LABOR ONLY. Control power transformers	Ea.	2 ELEC	1.0000	0.00	320.00	0.00	\$320.00	\$320.00
14	26-24-13-20-2270	Switchboards, contactor control, 200 amp LABOR ONLY. Controller for MCC sections.	Ea.	1 ELEC	6.0000	0.00	755.00	0.00	\$755.00	\$4,530.00
15	26-24-13-20-3200	Switchboards, transition section between	Ea.	2 ELEC	6.0000	0.00	1,947.50	0.00	\$1,947.50	\$11,685.00

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Item	Description	UM	Crew	Quantity	Material	Labor	Equipment	Unit Cost	Total
	switchboard and transformer or motor control center, 4 wire aluminum bus, 1,200 amp LABOR ONLY. Transition sections at six section MCC								
16	26-24-13-30-0500 R&R - Switchboards, distribution section, aluminum bus bars, 4 W, 120/208 or 277/480 V, 1,200 amp, excl breakers LABOR ONLY. Remove and replace Nema 1 six section MCC with 1200 A power bus bars	Ea.	2 ELEC	6.0000	0.00	4,355.00	0.00	\$4,355.00	\$26,130.00
17	26-24-13-40-0430 Circuit breaker, 3 pole, 480 V, 125 to 400 amp, LA frame, for feeder section LABOR ONLY. Breakers for individual MCC sections	Ea.	1 ELEC	6.0000	0.00	350.00	0.00	\$350.00	\$2,100.00
18	26-24-16-30-0400 R&R - Panelboards, 1 phase 3 wire, main lugs, 120/240 V, 225 amp, 30 circuits, NQOD, incl 20 A 1 pole bolt-on breakers LABOR ONLY. Remove and replace (2) 30 circuit panel board, main breaker	Ea.	2 ELEC	2.0000	0.00	3,470.00	0.00	\$3,470.00	\$6,940.00
19	26-24-19-20-1160 R&R - Motor starter, size 2, FVNR, type B, circuit breaker, NEMA 1 LABOR ONLY. Remove and replace	Ea.	2 ELEC	3.0000	0.00	820.00	0.00	\$820.00	\$2,460.00
20	26-24-19-20-2360 R&R - Motor starter, size 3, FVNR, type B, circuit breaker, NEMA 1 LABOR ONLY. Remove and replace	Ea.	2 ELEC	1.0000	0.00	1,580.00	0.00	\$1,580.00	\$1,580.00
21	26-24-19-20-4860 R&R - Motor starter, size 5, FVNR, type B, circuit breaker, NEMA 1 LABOR ONLY. Remove and replace	Ea.	2 ELEC	2.0000	0.00	3,160.00	0.00	\$3,160.00	\$6,320.00
22	26-24-19-20-8100 Motor control centers, pilot light, standard, & push button LABOR ONLY	Ea.	1 ELEC	15.0000	0.00	64.20	0.00	\$64.20	\$963.00
23	26-24-19-20-8120 Motor control centers, pilot light, push to test, & push button LABOR ONLY	Ea.	1 ELEC	15.0000	0.00	63.80	0.00	\$63.80	\$957.00
24	ELEC Electricians - 2021 RSMeans Facilities O&P Rate Electrical man hours for misc demo of existing MCC and equipment not covered above, prep for new MCC and equipment, handling of new equipment, assembly, wiring, programing, start up, owner training, etc.	Hour		55.0000	0.00	97.85	0.00	\$97.85	\$5,381.75

Estimate Grand Total 359,712.76