

NOTE:

1. THIS BILL OF MATERIALS DOES NOT INCLUDE ANY MATERIALS REQUIRED FOR GROUNDING OF EQUIPMENT. THE CONTRACTOR IS RESPONSIBLE FOR PURCHASING ALL EQUIPMENT NECESSARY FOR GROUNDING AS SPECIFIED IN THE DRAWINGS.
2. QUANTITIES FOR MANHOLE AND PULL BOX WALL SUPPORTS ASSUMES THAT EACH 10' SECTION WILL BE CUT INTO ONE MANHOLE WALL SUPPORT AND ONE PULL BOX WALL SUPPORT.

Item No.	Equipment Description	Manufacturer (or Equal)	Part Number (or Equal)	Base Quantity	Spares	Total
T50	50 kVA Single Phase Pad-Mounted Transformer (by Owner)	ERMCO	Loop Feed Type II	1	0	1
T100	100 kVA Single Phase Pad-Mounted Transformer (by Owner)	ERMCO	Loop Feed Type II	1	0	1
T167	167 kVA Single Phase Pad-Mounted Transformer (by Owner)	ERMCO	Loop Feed Type II	1	0	1
1	Three Phase Junction Cabinet, 25 kV, 600 A, 30"x67"x23", Four Parking Stands, Three Back Plates	APS	APS306723-ACACA CA	1	0	1
2	Polymer Concrete Junction Box, Square Enclosure, 48"x48"x48", Tier 15, Flush mount	Oldcastle	4848	2	0	2
3	Secondary Pedestal, Above Grade, With Penta Bolt and Hasp, 15" x 15" x 30"	Nordic	PSP-151530	1	0	1
4	15 kV, 200 A Loadbreak Junction, with U-straps, 4 Interfaces	Eaton	LJ215C4U	3	0	3
5	15 kV, 200 A Loadbreak Elbow	Elastimold	161LR-BS240	15	1	16
6	15 kV, 200 A Insulated Shielded Elbow Surge Arrester, 12.7 kV RMS MCOV	Elastimold	167ESA-15	3	1	4
7	15 kV Cable Splice	3M	5411-C1-1/0	6	1	7
8	Flood-Seal Multi-port Bus Connectors, 6 outlets, with rubber insulating sleeve covers	Homac	175 Series FXL33-175 FS1175	21	1	22
9	Flood-Seal Dual Adapter Kit	Homac	175 Series FS175DPK	14	2	16
10	Flood-Seal Multi-port Bus Connectors, 3 outlets, Y type, with rubber insulating sleeve covers	Homac	125 Series FSY125-21 CS2011	8	1	9
11	Flood-Seal Multi-port Bus Connectors, 2-bolt, 6 outlets, with rubber insulating sleeve covers	Homac	125 Series FSN 6-125-AWR CS2011	10	1	11
12	Flood-Seal Multi-port Bus Connectors, 2-bolt, 4 outlets, with rubber insulating sleeve covers	Homac	125 Series FSN 4-125-AWR CS2011	0	0	0
13	Flood-Seal Multi-port Bus Connectors, 1&2-bolt, 4 outlets	Homac	125 Series FS 31-125-AWR	3	1	4
14	Flood-Seal Sealing Sleeve, 2-bolt	Homac	WL 2 P	3	1	4
15	Flood-Seal Sealing Sleeve, 1-bolt	Homac	WS 2 P	6	2	8
16	Flood-Seal Sealing Sleeve, Small Conductor Adapter, #12 & #10	Homac	SC	6	2	8
17	Manhole Wall Support, stainless steel slotted channel, 72" long, 13/16" x 1-5/8", 12 GA	Unistrut	P3300T-10SS	6	1	7
18	Pull Box Wall Support, stainless steel slotted channel, 48" long, 13/16" x 1-5/8", 12 GA					0
19	Cable Support Bracket, stainless steel slotted channel, 18" long, 1-5/8"x1-5/8", 12 GA, with hex head screws and channel nuts with spring	Unistrut	P2946-SS	57	3	60
20	Cable Clamp, 1-7/8", polymer, with stainless steel strap	Unistrut	030N034SS	191	14	205
21	600 V Terminal Lug, 500 kcmil AL, 2-hole NEMA	Blackburn	AL500-NTN	88	9	97
22	600 V Terminal Lug, 350 kcmil AL, 2-hole NEMA	Blackburn	AL350-NTN	30	3	33
23	600 V Terminal Lug, # 4/0 AWG AL, 2-hole NEMA	Blackburn	AL4/0-NTN	7	2	9
24	600 V Terminal Lug, # 2/0 AWG AL, 2-hole NEMA	Blackburn	AL2/0-NTN	13	1	14
25	600 V Terminal Lug, # 1/0 AWG AL, 2-hole NEMA	Blackburn	AL1/0-NTN	0	0	0
26	600 V Terminal Lug, # 10 AWG AL, 2-hole NEMA			6	2	8
27	600 V Terminal Lug, # 12 AWG AL, 2-hole NEMA			3	1	4
28	600 V Terminal Lug, 500 kcmil AL, 1-hole NEMA	Blackburn	AL500-48	2	1	3
29	600 V Terminal Lug, 350 kcmil AL, 1-hole NEMA	Blackburn	AL350-48	1	1	2
30	600 V Terminal Lug, # 4/0 AWG AL, 1-hole NEMA	Blackburn	AL4/0-48	2	1	3
31	600 V Terminal Lug, # 2/0 AWG AL, 1-hole NEMA	Blackburn	AL2/0-48	6	1	7
32	600 V Terminal Lug, # 1/0 AWG AL, 1-hole NEMA	Blackburn	AL1/0-48	0	0	0
33	600 V Terminal Lug, # 10 AWG AL, 1-hole NEMA	Burndy	YA10A-TN	10	2	12
34	600 V Terminal Lug, # 12 AWG AL, 1-hole NEMA	Burndy	YA12A-TN	6	1	7
35	4-hole NEMA Stud Connectors (ea) for xfmr sized 10-75 kVA	Homac	2042-1	2	1	3
36	4-hole NEMA Stud Connectors (ea) for xfmr sized 100-167 kVA	Homac	2042-2	6	1	7
37	15 kV URD Cable No. 1/0 AWG AL, EPR (ft)			1565	85	1650
38	600 V, Single Conductor Secondary UD Cable 500 kcmil AL (ft)			4140	110	4250
39	600 V, Single Conductor Secondary UD Cable 350 kcmil AL (ft)			1380	70	1450
40	600 V, Single Conductor Secondary UD Cable 500 kcmil AL (ft), Color Coded Red			3400	100	3500
41	600 V, Single Conductor Secondary UD Cable 350 kcmil AL (ft), Color Coded Red			850	50	900
42	600 V, Triplex Secondary UD Cable, 500-350 kcmil AL (ft), by Owner			65	35	100
43	600 V, Triplex Secondary UD Cable, 4/0-2/0 AWG AL (ft), by Owner			55	45	100
44	600 V, Quadruplex Secondary UD Cable, 4/0-2/0 AWG AL (ft), by Owner			75	90	165
45	600 V, Single Conductor Secondary UD Cable, #10 AWG AL (ft), by Owner			280	120	400
46	600 V, Single Conductor Secondary UD Cable, #12 AWG CU (ft), by Owner			140	60	200
47	600 V, Single Conductor Secondary UD Cable, #2/0 AWG Cu (ft), by Owner			180	20	200


1		ADDENDUM 1	12/15/22
0		BID ISSUE	12/01/22
NO.	REVISIONS	DATE	

PRELIMINARY
NOT TO BE USED FOR CONSTRUCTION

REVISION 12/15/22

CITY OF GEORGETOWN
GEORGETOWN, SC

FRONT ST ELECTRIC UPGRADE - PH. 2
BILL OF MATERIALS



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EWN	LMB	DATE: 10/31/22	DWG. NO. E2005
SCALE: NONE	JOB NO. 220901	SHEET NO.	1 OF 1