220/380 VOLT FEEDER SCHEDULE (LARGE SITE)

PHASE	BETWEEN MAGAZINES		LENGTH FEET	LENGTH METERS	LOAD (AMPS)	AL. CONDUCTOR MM²	AL. CONDUCTOR CIR. MILS	3-PHASE VOLTS DROP	TOTAL VOLTS DROP	PHASE TO NEUT VOLTS	BUCK-BOOST TRANSFORMER RATED KVA	BUCK-BOOST TRANSFORMER CONN. FIG.	VOLTAGE BOOST	VOLTAGE CORRECTED
A	GUARD HOUSE	107	400	121.9	68.4	25	49339	17.3	17.3	215.2	.108	A	10.7	225.9
	107	104	660	201.2	9.1	10	19736	9.5	26.8	203.9	.108	C	20.4	224.3
	104	101	660	201.2	4.5	6	11841	7.8	34.6	199.4	.108	C	19.9	219.3
	107	110	660	201.2	9.1	10	19736	9.5	26.8	203.9	.108	C	20.4	224.3
▼	110	113	660	201.2	4.5	6	11841	7.8	34.6	199.4	.108	C	19.9	219.3
B	GUARD HOUSE	107	400	121.9	68.4	25	49339	17.3	-	-	-	-	-	-
	107	106	220	67.1	9.1	10	19736	3.1	20.4	207.6	.108	A	10.4	218.0
	106	104	440	134.1	4.5	10	19736	3.1	23.5	-	-	-	-	-
	104	103	220	67.1	4.5	6	11841	2.6	26.1	204.3	.108	C	20.4	224.7
	107	108	220	67.1	13.6	10	19736	4.7	22.0	206.7	.108	A	10.3	217.0
	108	110	440	134.1	9.1	10	19736	6.3	28.3	-	-	-	-	-
	110	111	220	67.1	9.1	6	11841	5.3	33.6	200.0	.108	C	20.0	220.0
▼	111	114	660	201.2	4.5	6	11841	7.8	41.4	195.5	.144	D	26.0	221.5
C	GUARD HOUSE	107	400	121.9	63.9	25	49339	16.3	-	-	-	-	-	-
	107	105	440	134.1	9.1	10	19736	6.3	22.6	206.3	.108	A	10.3	216.6
	105	104	220	67.1	4.5	10	19736	1.6	24.2	-	-	-	-	-
	104	102	440	134.1	4.5	6	11841	5.2	29.4	202.4	.108	C	20.2	222.6
	107	109	440	134.1	9.1	10	19736	6.3	22.6	206.3	.108	A	10.3	216.6
	109	110	220	67.1	4.5	10	19736	1.6	24.2	-	-	-	-	-
▼	110	112	440	134.1	4.5	6	11841	5.2	29.4	202.4	.108	C	20.2	222.6
A	107	122	480	146.3	45.6	16	31577	21.6	38.9	196.9	.144	D	26.2	223.1
	122	119	660	201.2	9.1	10	19736	9.5	48.4	191.4	.144	D	25.5	216.9
	119	116	660	201.2	4.5	6	11841	7.8	56.2	186.9	.216	E	37.4	224.3
	122	124	440	134.1	9.1	10	19736	6.3	45.2	193.3	.144	D	25.8	219.1
▼	124	127	660	201.2	4.5	6	11841	7.8	53.0	188.8	.216	E	37.8	226.5
B	107	122	480	146.3	45.6	16	31577	21.6	38.9	-	-	-	-	-
	122	121	220	67.1	13.6	10	19736	4.7	43.6	194.2	.144	D	25.9	220.1
	121	119	440	134.1	9.1	10	19736	6.3	49.9	-	-	-	-	-
	119	118	220	67.1	9.1	6	11841	5.3	55.2	187.5	.216	E	37.5	225.0
	118	115	660	201.2	4.5	6	11841	7.8	63.0	183.0	.216	E	36.6	219.6
	122	124	440	134.1	9.1	10	19736	6.3	45.2	-	-	-	-	-
	124	125	220	67.1	9.1	6	11841	5.3	50.5	190.2	.144	D	25.4	215.6
▼	125	128	660	201.2	4.5	6	11841	7.8	58.3	185.7	.216	E	37.1	222.8
C	107	122	480	146.3	45.6	16	31577	21.6	37.9	-	-	-	-	-
	122	120	440	134.1	9.1	10	19736	6.3	44.2	193.9	.144	D	25.8	219.7
	120	119	220	67.1	4.5	10	19736	1.6	45.8	-	-	-	-	-
	119	117	440	134.1	4.5	6	11841	5.2	51.0	189.9	.144	D	25.3	215.2
	122	123	220	67.1	13.6	10	19736	4.7	42.6	194.8	.144	D	26.0	220.8
	123	124	220	67.1	9.1	10	19736	3.1	45.7	-	-	-	-	-
	124	126	440	134.1	9.1	6	11841	10.5	56.2	186.9	.216	E	37.4	224.3
▼	126	129	660	201.2	4.5	6	11841	7.8	64.0	182.4	.216	E	36.5	218.9
A	122	137	480	146.3	22.8	16	31577	10.8	49.7	190.7	.144	D	25.4	216.1
	137	134	660	201.2	9.1	10	19736	9.5	59.2	185.2	.216	E	37.0	222.2
	134	131	660	201.2	4.5	6	11841	7.8	67.0	180.7	.216	E	36.1	216.8
	137	139	440	134.1	9.1	10	19736	6.3	45.2	193.3	.144	D	25.8	219.0
▼	139	142	660	201.2	4.5	6	11841	7.8	53.0	188.8	.216	E	37.8	226.6
B	122	137	480	146.3	22.8	16	31577	10.8	49.7	-	-	-	-	-
	137	136	220	67.1	13.6	10	19736	4.7	54.4	188.0	.216	E	37.6	225.6
	136	134	440	134.1	9.1	10	19736	6.3	60.7	-	-	-	-	-
	134	133	220	67.1	9.1	6	11841	5.3	66.0	181.3	.216	E	36.2	217.5
	133	130	660	201.2	4.5	6	11841	7.8	73.8	176.8	.216	E	35.3	212.1
	137	139	440	134.1	9.1	10	19736	6.3	56.0	-	-	-	-	-
	139	140	220	67.1	9.1	6	11841	5.3	61.3	184.0	.216	E	36.8	220.8
▼	140	143	660	201.2	4.5	6	11841	7.8	69.1	179.5	.216	E	35.9	215.4
C	122	137	480	146.3	22.8	16	31577	10.8	48.7	-	-	-	-	-
	137	135	440	134.1	9.1	10	19736	6.3	55.0	187.6	.216	E	37.5	225.1
	135	134	220	67.1	4.5	10	19736	1.6	56.6	-	-	-	-	-
	134	132	440	134.1	4.5	6	11841	5.2	61.8	183.7	.216	E	36.7	220.4
	137	138	220	67.1	13.6	10	19736	4.7	53.4	188.6	.216	E	37.7	226.3
	138	139	220	67.1	9.1	10	19736	3.1	56.5	-	-	-	-	-
	139	141	440	134.1	9.1	6	11841	10.5	67.0	180.7	.216	E	36.1	216.8
▼	141	144	660	201.2	4.5	6	11841	7.8	74.8	176.2	.216	E	35.2	212.0
A	GUARD HOUSE	152	1520	463.3	68.4	50	98678	32.8	32.8	200.4	.108	C	20.0	220.4
	152	149	660	201.2	9.1	10	19736	9.5	42.3	195.0	.144	D	26.0	221.0
	149	146	660	201.2	4.5	6	11841	7.8	50.1	190.5	.144	D	25.4	215.9
	152	154	440	134.1	9.1	10	19736	6.3	39.1	196.8	.108	C	19.7	216.5
▼	154	157	660	201.2	4.5	6	11841	7.8	46.9	192.3	.144	D	25.6	217.9
B	GUARD HOUSE	152	1520	463.3	68.4	50	98678	32.8	32.8	-	-	-	-	-
	152	151	220	67.1	13.6	10	19736	4.7	37.5	197.7	.108	C	19.8	217.5
	151	149	440	134.1	9.1	10	19736	6.3	43.8	-	-	-	-	-
	149	148	220	67.1	9.1	6	11841	5.3	49.1	191.0	.144	D	25.4	216.4
	148	145	660	201.2	4.5	6	11841	7.8	56.9	186.5	.216	E	37.2	223.2
	152	154	440	134.1	9.1	10	19736	6.3	39.1	-	-	-	-	-
	154	155	220	67.1	9.1	6	11841	5.3	44.4	193.8	.144	D	25.8	219.6
▼	155	158	660	201.2	4.5	6	11841	7.8	52.2	189.3	.144	D	25.2	214.5
C	GUARD HOUSE	152	1520	463.3	63.9	50	98678	30.7	30.7	-	-	-	-	-
	152	150	440	134.1	9.1	10	19736	6.3	37.0	198.0	.108	C	19.8	217.8
	150	149	220	67.1	4.5	10	19736	1.6	38.6	-	-	-	-	-
	149	147	440	134.1	4.5	6	11841	5.2	43.8	194.1	.144	D	25.9	220.0
	152	153	220	67.1	13.6	10	19736	4.7	35.4	199.0	.108	C	19.9	218.9
	153	154	220	67.1	9.1	10	19736	3.1	38.5	-	-	-	-	-
	154	156	440	134.1	9.1	6	11841	10.5	49.0	191.1	.144	D	25.5	216.6
▼	156	159	660	201.2	4.5	6	11841	7.8	56.8	186.6	.216	E	37.3	223.9
A	152	167	480	146.3	45.6	35	69074	9.9	42.7	194.7	.144	D	26.0	220.7
	167	164	660	201.2	9.1	10	19736	9.5	52.2	189.3	.144	D	25.2	214.5
	164	163	220	67.1	4.5	10	19736	1.6	53.8	-	-	-	-	-
	163	161	440	134.1	4.5	6	11841	5.2	59.0	185.3	.216	E	37.0	222.3
	167	169	440	134.1	9.1	10	19736	6.3	49.0	191.1	.144	D	25.5	216.6
	169	170	220	67.1	4.5	10	19736	1.6	50.6	-	-	-	-	-
▼	170	172	440	134.1	4.5	6	11841	5.2	55.8	187.2	.216	E	37.4	224.6
B	152	167	480	146.3	45.6	35	69074	9.9	42.7	-	-	-	-	-
	167	166	220	67.1	13.6	10	19736	4.7	47.4	192.0	.144	D	25.6	217.6
	166	163	660	201.2	9.1	10	19736	9.5	56.9	186.5	.216	E	37.3	223.8
	163	160	660	201.2	4.5	6	11841	7.8	64.7	182.0	.216	E	36.4	218.4
	167	170	660	201.2	9.1	10	19736	9.5	52.2	189.3	.144	D	25.2	214.5
▼	170	173	660	201.2	4.5	6	11841	7.8	60.0	184.7	.216	E	37.0	221.7
C	152	167	480	146.3	41.0	35	69074	8.9	39.6	-	-	-	-	-
	167	165	440	134.1	9.1	10	19736	6.3	45.9	192.9	.144	D	25.7	218.6
	165	163	440	134.1	4.5	10	19736	3.1	49.0	-	-	-	-	-
	163	162	220	67.1	4.5		11841	2.6	51.6	189.6	.144	D	25.3	214.9
	167	168	220	67.1	13.6	10	19736	4.7	44.3	193.8	.144	D	25.8	219.6
	168	170	440	134.1	9.1	10	19736	6.3	50.6	-	-	-	-	-
	170	171	220	67.1	9.1	6	11841	5.3	55.9	187.1	.216	E	37.4	224.5
▼	171	174	660	201.2	4.5	6	11841	7.8	63.7	182.6	.216	E	36.5	219.1

220/380 VOLT FEEDER SCHEDULE (LARGE SITE)

PHASE	BETWEEN MAGAZINES		LENGTH FEET	LENGTH METERS	LOAD (AMPS)	AL. CONDUCTOR MM²	AL. CONDUCTOR CIR. MILS	3-PHASE VOLTS DROP	TOTAL VOLTS DROP	PHASE TO NEUT VOLTS	BUCK-BOOST TRANSFORMER RATED KVA	BUCK-BOOST TRANSFORMER CONN. FIG.	VOLTAGE BOOST	VOLTAGE CORRECTED
A	167	182	480	146.3	22.8	35	69074	9.9	47.6	191.9	.144	D	25.6	217.5
	182	179	660	201.2	9.1	10	19736	9.5	57.1	186.4	.216	E	37.3	223.7
	179	176	660	201.2	4.5	6	11841	7.8	64.9	181.9	.216	E	36.4	218.3
	182	184	440	134.1	9.1	10	19736	6.3	53.9	188.3	.216	E	37.7	226.0
▼	184	187	660	201.2	4.5	6	11841	7.8	61.7	183.8	.216	E	36.8	220.5
B	167	182	480	146.3	22.8	35	69074	9.9	47.6	-	-	-	-	-
	182	181	220	67.1	13.6	10	19736	4.7	52.3	189.2	.144	D	25.2	214.4
	181	179	440	134.1	9.1	10	19736	6.3	58.6	-	-	-	-	-
	179	178	220	67.1	9.1	6	11841	5.3	63.9	182.5	.216	E	36.5	219.0
	178	175	660	201.2	4.5	6	11841	7.8	71.7	178.0	.216	E	35.6	213.6
	182	184	440	134.1	9.1	10	19736	6.3	53.9	-	-	-	-	-
	184	185	220	67.1	9.1	6	11841	5.3	59.2	185.2	.216	E	37.0	222.2
▼	185	188	660	201.2	4.5	6	11841	7.8	67.0	180.7	.216	E	36.1	216.8
C	167	182	480	146.3	18.2	35	69074	3.9	43.5	-	-	-	-	-
	182	180	440	134.1	9.1	10	19736	6.3	49.8	190.6	.144	D	25.4	216.0
	180	179	220	67.1	4.5	10	19736	1.6	51.4	-	-	-	-	-
	179	177	440	134.1	4.5	6	11841	5.2	56.6	186.7	.216	E	37.3	224.0
	182	183	220	67.1	9.1	10	19736	3.1	46.6	192.5	.144	D	25.7	218.1
	183	184	220	67.1	4.5	10	19736	1.6	48.2	-	-	-	-	-
▼	184	186	440	134.1	4.5	6	11841	5.2	53.4	188.8	.216	E	37.7	226.3

220/380 VOLT FEEDER SCHEDULE (MEDIUM SITE)

PHASE	BETWEEN MAGAZINES		LENGTH FEET	LENGTH METERS	LOAD (AMPS)	AL. CONDUCTOR MM²	AL. CONDUCTOR CIR. MILS	3-PHASE VOLTS DROP	TOTAL VOLTS DROP	PHASE TO NEUT VOLTS	BUCK-BOOST TRANSFORMER RATED KVA	BUCK-BOOST TRANSFORMER CONN. FIG.	VOLTAGE BOOST	VOLTAGE CORRECTED
A	GUARD HOUSE	101	600	182.9	22.8	16	31577	13.5	13.5	211.6	.108	A	10.6	222.1
	101	103	500	152.4	18.2	16	31577	9.0	22.5	-	-	-	-	-
	103	104	300	91.4	4.5	6	11841	3.6	26.1	204.3	.108	C	20.4	224.7
	103	107	450	137.1	13.6	10	19736	9.7	32.2	200.8	.108	C	20.0	220.8
	107	110	660	201.1	9.1	6	11841	15.8	48.0	191.7	.144	D	25.5	217.2
▼	110	113	660	201.1	4.5	6	11841	7.8	55.8	187.1	.216	E	37	224.5
B	GUARD HOUSE	102	820	250.0	22.8	16	31577	18.5	18.5	208.7	.144	B	13.9	222.6
	102	103	260	79.2	18.2	16	31577	4.7	23.2	-	-	-	-	-
	103	105	520	158.5	4.5	6	11841	6.1	29.3	202.4	.108	C	20.2	222.6
	103	107	450	137.1	13.6	10	19736	9.7	32.9	-	-	-	-	-
	107	108	220	67.0	13.6	6	11841	7.9	40.8	195.8	.144	D	26.1	221.9
	108	111	660	201.1	9.1	6	11841	15.8	56.6	186.7	.216	E	37.3	224.0
▼	111	114	660	201.1	4.5	6	11841	7.8	64.4	182.2	.216	E	36.4	218.6
C	GUARD HOUSE	103	1040	317.0	22.8	16	31577	23.4	23.4	205.9	.144	B	13.7	219.6
	103	106	220	67.0	18.2	16	31577	3.9	27.3	203.6	.108	C	20.4	224.0
	106	107	270	82.3	13.6	10	19736	5.8	33.1	-	-	-	-	-
	107	109	440	134.1	13.6	6	11841	15.8	48.9	191.1	.144	D	25.5	216.6
	109	112	660	201.1	9.1	6	11841	15.8	64.7	182.0	.216	E	36.4	218.4
▼	112	115	660	201.1	4.5	6	11841	7.8	72.5	177.5	.216	E	35.5	213.0
A	GUARD HOUSE	116	420	128.0	22.8	16	31577	9.4	9.4	214.0	.108	A	10.7	224.7
	116	119	660	201.1	18.2	10	19736	19.0	28.4	205.0	.108	C	20.3	223.3
	119	120	340	103.6	13.6	10	19736	7.3	35.7	-	-	-	-	-
	120	122	440	134.1	9.1	6	11841	10.5	46.2	192.7	.144	D	25.7	218.4
	122	140	660	201.1	4.5	6	11841	7.8	54.0	188.2	.216	E	37.6	225.8
▼	120	127	1060	323.0	4.5	6	11841	12.5	48.2	191.5	.144	D	25.5	217.0
B	GUARD HOUSE	116	420	128.0	22.8	16	31577	9.4	-	-	-	-	-	-
	116	117	220	67.0	22.8	10	19736	7.4	17.3	209.4	.144	B	13.9	223.3
	117	120	800	243.8	18.2	10	19736	23.0	40.3	196.1	.144	D	26.1	222.2
	120	123	660	201.1	4.5	6	11841	7.8	48.1	191.6	.144	D	25.5	217.1
	120	125	620	189.0	9.1	6	11841	14.8	55.1	187.5	.216	E	37.5	225.0
▼	125	128	660	201.1	4.5	6	11841	7.8	62.9	183.0	.216	E	36.6	219.6
C	GUARD HOUSE	116	420	128.0	22.8	16	31577	9.4	-	-	-	-	-	-
	116	118	440	134.1	22.8	10	19736	15.8	25.2	204.8	.108	C	20.5	225.3
	118	120	560	170.7	18.2	10	19736	16.0	41.3	-	-	-	-	-
	120	121	220	67.0	9.1	6	11841	5.3	46.6	192.5	.144	D	25.6	218.2
	121	124	660	201.1	4.5	6	11841	7.8	54.4	188.0	.216	E	37.6	225.6
	120	126	840	256.0	9.1	6	11841	20.1	61.4	183.9	.216	E	36.8	220.7
▼	126	139	700	213.3	4.5	6	11841	8.4	69.8	179.1	.216	E	35.8	214.9
A	GUARD HOUSE	129	480	146.3	18.2	16	31577	8.6	8.6	214.4	.108	A	10.7	225.1
	129	132	820	249.9	13.6	6	11841	29.4	38.0	197.4	.108	C	19.7	217.1
	132	137	700	213.3	9.1	6	11841	16.8	54.8	-	-	-	-	-
	137	138	220	67.0	4.5	6	11841	2.6	57.4	186.2	.216	E	37.2	223.4
▼	137	134	640	195.0	4.5	6	11841	7.6	62.4	183.3	.216	E	36.7	220.0
B	GUARD HOUSE	129	480	146.3	13.6	16	31577	6.4	6.4	-	-	-	-	-
	129	130	220	67.0	13.6	6	11841	7.9	14.3	211.1	.108	A	10.5	221.6
	130	133	820	249.9	9.1	6	11841	19.6	33.9	199.5	.108	C	20.0	219.8
	133	137	480	146.3	4.5	6	11841	5.7	39.6	-	-	-	-	-
▼	137	136	220	67.0	4.5	6	11841	2.6	42.2	195.0	.144	D	26.0	221.0
C	GUARD HOUSE	129	480	146.3	13.6	16	31577	6.4	6.4	-	-	-	-	-
	129	131	440	134.1	13.6	6	11841	15.7	22.1	206.6	.144	B	13.7	220.3
	131	137	1080	329.1	9.1	6	11841	25.9	48.0	191.7	.144	D	25.6	217.3
▼	137	135	440	134.1	4.5	6	11841	5.2	53.2	188.7	.216	E	37.7	226.4

220 380 VOLT FEEDER SCHEDULE (SMALL SITE)

PHASE	BETWEEN MAGAZINES		LENGTH FEET	LENGTH METERS	LOAD (AMPS)	AL. CONDUCTOR MM²	AL. CONDUCTOR CIR. MILS	3-PHASE VOLTS DROP	TOTAL VOLTS DROP	PHASE TO NEUT VOLTS	BUCK-BOOST TRANSFORMER RATED KVA	BUCK-BOOST TRANSFORMER CONN. FIG.	VOLTAGE BOOST	VOLTAGE CORRECTED
A	GUARD HOUSE	101	400	121.9	13.6	10	19736	8.6	8.6	214.4				
	101	103	220	67.1	9.1	10	19736	3.1	11.7	212.6				
	103	S-W TOWER	250	76.2	4.5	10	19736	1.8	13.5	211.6				
	103	N-W TOWER	250	76.2	4.5	10	19736	1.8	13.5	211.6				
	GUARD HOUSE	S-E TOWER	170	51.8	4.5	6	11841	2.0	2.0	218.2				
▼	GUARD HOUSE	N-E TOWER	200	60.9	4.5	6	11841	2.4	2.4	218.0				

NOTE:
THE VOLTS DROP CALCULATIONS FOR PHASES B AND C ARE SIMILAR TO THAT SHOWN FOR PHASE A.

PERIMETER LIGHTING 220/380 VOLT FEEDER SCHEDULE (LARGE SITE)

PHASE	BETWEEN LIGHTING POLES		LENGTH FEET	LENGTH METERS	LOAD (AMPS)	AL. CONDUCTOR MM²	AL. CONDUCTOR CIR. MILS	3-PHASE VOLTS DROP	TOTAL VOLTS DROP	PHASE TO NEUT VOLTS	BUCK-BOOST TRANSFORMER RATED KVA	BUCK-BOOST TRANSFORMER CONN. FIG.	VOLTAGE PHASE TO NEUT. BOOST	VOLTAGE PHASE TO NEUT. CORRECTED	VOLTAGE 3-PHASE FEEDER CORRECTED
C	GUARD HOUSE	3	400	121.9	36.0	70	138149	3.25	3.25	217.5					
	3	6	300	91.4	34.0	70	138149	2.3	5.55	216.2					
	6	9	300	91.4	32.0	70	138149	2.17	7.72	214.9					
	9	12	300	91.4	30.0	50	98678	2.84	10.6	213.5					
	12	15	300	91.4	28.0	50	98678	2.65	13.25	211.7					
	15	18	300	91.4	26.0	50	98678	2.5	15.75	210.3					
	18	21	300	91.4	24.0	25	49339	4.55	20.3	207.7	3-10 3-31	F	20.8	228.5	395.8
	21	24	300	91.4	22.0	25	49339	4.17	24.47	206.1					
	24	27	300	91.4	20.0	25	49339	3.79	27.96	202.9					
	27	30	300	91.4	18.0	16	31577	5.58	33.3	200.8					
	30	33	300	91.4	16.0	16	31577	4.73	38.0	198.1					
	33	36	300	91.4	14.0	16	31577	4.14	42.14	195.7					
	36	39	300	91.4	12.0	10	19736	5.68	47.8	192.4					
	39	42	300	91.4	10.0	10	19736	4.73	52.5	189.7	3-18 3-31	F	20.97	230.7	399.53
	42	45	300	91.4	8.0	10	19736	3.79	3.79	188.5					
	45	48	300	91.4	6.0	6	11841	4.73	8.52	185.8					
	48	51	300	91.4	4.0	6	11841	3.15	11.67	184.0					
▼	51	54	300	91.4	2.0	6	11841	1.58	13.25	183.1					

NOTES:
1. THE ABOVE CALCULATIONS ARE BASED ON USING HIGH PRESSURE SODIUM LAMPS.
2. THE VOLTS DROP CALCULATIONS FOR PHASES A AND B ARE SIMILAR TO THAT SHOWN FOR PHASE C.
3. VOLTS DROP CALCULATIONS FOR THE FEEDER SERVING POLES 55 THROUGH 107 ARE SIMILAR TO THAT SHOWN FOR THE FEEDER SERVING POLES 1 THROUGH 54.

PERIMETER LIGHTING 220/380 VOLT FEEDER SCHEDULE (MEDIUM SITE)

PHASE	BETWEEN LIGHTING POLES		LENGTH FEET	LENGTH METERS	LOAD (AMPS)	AL. CONDUCTOR MM²	AL. CONDUCTOR CIR. MILS	3-PHASE VOLTS DROP	TOTAL VOLTS DROP	PHASE TO NEUT VOLTS	BUCK-BOOST TRANSFORMER RATED KVA	BUCK-BOOST TRANSFORMER CONN. FIG.	VOLTAGE PHASE TO NEUT. BOOST	VOLTAGE PHASE TO NEUT. CORRECTED	VOLTAGE 3-PHASE FEEDER CORRECTED
C	GUARD HOUSE	3	340	103.6	24.0	25	49339	5.15	5.15	217.0					
	3	6	300	91.4	22.0	25	49339	4.17	9.32	214.6					
	6	9	300	91.4	20.0	25	49339	3.79	13.1	212.4					
	9	12	300	91.4