ELECTRIC SINGLE LINE EQUIPMENT SCHEDULE

NOTES:
ALL CONDUIT SIZES INDICATED ARE MINIMUM SIZES. INCREASE SIZES AS REQUIRED TO ACCOMMODATE CONDUCTOR PULLING EASE, FIELD CONDITIONS, ETC.

"CU" = COPPER CONDUCTOR, "AL" = ALUMINUM CONDUCTOR

TYPICAL EQUIPMENT NAME NOMENCLATURE:
1 - POWER DISTRIBUTION SYSTEM (BLANK - NORMAL, E - EMERGENCY, S - STANDBY, L - LIFE SAFETY)
2 - DESCRIPTION (H - 480Y/277V, L - 208Y/120V)
3 - FLOOR / LEVEL
4 - SEQUENCE

FEEDER ID NOMENCLATURE:
*** - INDICATES FEEDER SIZED TO COMPENSATE FOR VOLTAGE DROP**
1 - GROUND TYPE (MAY BE BLANK)
U = EQUIPMENT GROUND CONDUCTOR REMOVED FOR SERVICE ENTRANCE FROM UTILITY
P = PARITY-SIZED EQUIPMENT GROUND CONDUCTOR
X = EXISTING FEEDER TO REMAIN UNLESS OTHERWISE NOTED
T = UPSIZED GROUND CONDUCTORS FOR TRANSFORMER SECONDARY
2 - CONDUCTOR AMPACITY
3 - TOTAL NUMBER OF PHASE AND GROUNDED ("NEUTRAL") CONDUCTORS
4 - CONDUCTOR MATERIAL: C = COPPER, A = ALUMINUM
5 - SPECIAL (MAY BE BLANK)
I = ISOLATED GROUND (PROVIDE CONTINUOUS INSULATED ISOLATED EQUIPMENT GROUNDING CONDUCTOR(S) FROM INSULATED ISOLATED GROUND BAR(S) TO RESPECTIVE UPSTREAM SERVICE ENTRANCE OR DERIVED SYSTEM GROUNDING ELECTRODE CONDUCTOR AS APPLICABLE.

EQUIPMENT	PHASE	POWER BRANCH	EQUIPMENT TYPE	SUPPLY FROM	SPACE NUMBER	SPACE NAME	VOLTAGE	POLES	WIRES	DEMAND (kVA)	DEMAND (A)	MAINS RATING (A)	MAINS FRAME RATING (A)	MAINS TYPE	FEEDER ID	FEEDER	VD %	LUGS TYPE	SPD	ULSE	GEC	ENCLOSURE TYPE	200% NEUTRAL	K-RATING	FAULT CURRENT (A)	SHORT CIRCUIT RATING (A)	NOTES
GENERATOR	New Construction	EMERGENCY	Generator		X	EXTERIOR	480	3														NEMA 3R			123		GENERAC, OUTDOOR STANDBY GENERATOR, 277/480 VAC 3 PHASE, NATURAL GAS, 150 KW RATING, ENCLOSURE - STANDARD - STEEL, BLOCK HEATER 1500W, NO MAIN LINE CIRCUIT BREAKER (MLCB), BUS BARS ONLY, LH, 100DBA ALARM HORN, REMOTE EMERGENCY STOP BREAK GLASS EPA CERTIFIED, INDUSTRIAL GREY ENCLOSURE, INSTALLATION NOT INCLUDED. PRICE INCLUDES FACTORY STARTUP ONLY. ATS SOLD SEPARATELY. CONTACT PETER SMITH 860-287-1457 TO SCHEDULE START-UP.
-- DG	New Construction	EMERGENCY	Fused Switch	GENERATOR	X	EXTERIOR	480	3	4	0.0 kVA	0 A	200	200	FUSED	200-4A	(4) #250 KCMIL AL, (1) #4 AWG AL GND. IN 3" CONDUIT	0					NEMA 1			123	14000	
---- W1	New Construction	EMERGENCY	WireWay	DG	137	DOCK	480	3	4	0.0 kVA	0 A	200	200		200-4A	(4) #250 KCMIL AL, (1) #4 AWG AL GND. IN 3" CONDUIT	0					NEMA 1			123	14000	
------ DATS1	New Construction	EMERGENCY	Fused Switch	W1	137	DOCK	480	3	4	0.0 kVA	0 A	200	200	FUSED	TAP200-4A	(4) #250 KCMIL AL, (1) #4 AWG AL GND. IN 3" CONDUIT	0					NEMA 1			123	14000	DIRECT BUY - EQUIPMENT TO BE OWNER PROVIDED AND CONTRACTOR INSTALLED.
-------- ATS1	New Construction	EMERGENCY	ATS - Emergency	DATS1	137	DOCK	480	3	4	0.0 kVA	0 A	200	200		100-4A	(4) #1/0 AWG AL, (1) #6 AWG AL GND. IN 2" CONDUIT	0					NEMA 1			123	14000	
------ DATS2	New Construction	OPTIONAL STANDBY	Fused Switch	W1	137	DOCK	480	3	4	0.0 kVA	0 A	200	200	FUSED	TAP200-4A	(4) #250 KCMIL AL, (1) #4 AWG AL GND. IN 3" CONDUIT	0					NEMA 1			123	14000	DIRECT BUY - EQUIPMENT TO BE OWNER PROVIDED AND CONTRACTOR INSTALLED.
-------- ATS2	New Construction	OPTIONAL STANDBY	ATS - Emergency	DATS2	137	DOCK	480	3	4	0.0 kVA	0 A	200	200		225-4A	(4) #300 KCMIL AL, (1) #2 AWG AL GND. IN 3" CONDUIT	0					NEMA 1			123	14000	
UTILITY	New Construction	NORMAL	Pad Mounted Transformer		X	EXTERIOR	480	3						MAIN LUGS ONLY								NEMA 3R			65000		
-- MSB	New Construction	NORMAL	Switchboard	UTILITY	138	ELECTRICAL	480	3	4	1944.1 kVA	2338 A	3000	3000	100% ELECTRONIC LSI ERM	U3000-4A	(8) SETS OF (4) #750 KCMIL AL IN 4" CONDUIT EACH	0.472			Yes	Yes	NEMA 1			66312	100000	DIRECT BUY - EQUIPMENT TO BE OWNER PROVIDED AND CONTRACTOR INSTALLED.
---- HA	New Construction	NORMAL	Branch Panelboard	MSB	138	ELECTRICAL	480	3	4	68.6 kVA	83 A	225	225	MAIN LUGS ONLY	225-4A	(4) #300 KCMIL AL, (1) #2 AWG AL GND. IN 3" CONDUIT	0.513					NEMA 1			54525	65000	DIRECT BUY - EQUIPMENT TO BE OWNER PROVIDED AND CONTRACTOR INSTALLED.
---- HB	New Construction	NORMAL	Branch Panelboard	MSB	138	ELECTRICAL	480	3	4	37.2 kVA	45 A	225	225	MAIN LUGS ONLY	225-4A	(4) #300 KCMIL AL, (1) #2 AWG AL GND. IN 3" CONDUIT	0.493					NEMA 1			55143	65000	DIRECT BUY - EQUIPMENT TO BE OWNER PROVIDED AND CONTRACTOR INSTALLED.
---- MGC	New Construction	NORMAL	Switchboard	MSB	X	EXTERIOR	480	3	4	0.0 kVA	0 A	1600	1600	100% ELECTRONIC LSI ERM	1600-4A	(5) SETS OF (4) #600 KCMIL AL, (1) #350 KCMIL AL GND. IN 4" CONDUIT EACH	0.472					NEMA 3R			65583	100000	DIRECT BUY - EQUIPMENT TO BE OWNER PROVIDED AND CONTRACTOR INSTALLED.
---- PPA4	New Construction	NORMAL	Branch Panelboard	MSB	138	ELECTRICAL	480	3	4	288.8 kVA	347 A	600	600	MAIN LUGS ONLY	600-4A	(2) SETS OF (4) #500 KCMIL AL, (1) #2/0 AWG AL GND. IN 4" CONDUIT EACH	0.513					NEMA 1			62267	65000	DIRECT BUY - EQUIPMENT TO BE OWNER PROVIDED AND CONTRACTOR INSTALLED.
---- ATS1	New Construction	NORMAL	4-Pole ATS	MSB	137	DOCK	480	3	4	21.1 kVA	25 A	200	200		200-4A	(4) #250 KCMIL AL, (1) #4 AWG AL GND. IN 3" CONDUIT	0.483					NEMA 1			52279	65000	EQUIPMENT MANUFACTURER - EQUIPMENT WITH THIS NOTE SHALL BE FURNISHED BY THE EQUIPMENT MANUFACTURER AND CONTRACTOR INSTALLED.
------ EHA	New Construction	NORMAL	Branch Panelboard	ATS1	137	DOCK	480	3	4	21.1 kVA	25 A	125	125	THERMAL MAGNETIC	125-4A	(4) #2/0 AWG AL, (1) #4 AWG AL GND. IN 2" CONDUIT	0.5		Yes			NEMA 1			40018	50000	DIRECT BUY - EQUIPMENT TO BE OWNER PROVIDED AND CONTRACTOR INSTALLED.
---- ATS2	New Construction	NORMAL	4-Pole ATS	MSB	137	DOCK	480	3	4	126.1 kVA	152 A	200	200		200-4A	(4) #250 KCMIL AL, (1) #4 AWG AL GND. IN 3" CONDUIT	0.527					NEMA 1			54508	65000	EQUIPMENT MANUFACTURER - EQUIPMENT WITH THIS NOTE SHALL BE FURNISHED BY THE EQUIPMENT MANUFACTURER AND CONTRACTOR INSTALLED.
------ EHB	New Construction	NORMAL	Branch Panelboard	ATS2	137	DOCK	480	3	4	126.1 kVA	152 A	225	225	THERMAL MAGNETIC	225-4A	(4) #300 KCMIL AL, (1) #2 AWG AL GND. IN 3" CONDUIT	0.593					NEMA 1			46600	50000	DIRECT BUY - EQUIPMENT TO BE OWNER PROVIDED AND CONTRACTOR INSTALLED.
-------- TELB	New Construction	NORMAL	45 kVA Transformer	EHB	211	ELECTRICAL CLOSET	480	3	3	31.8 kVA	38 A	80	80		80-3C	(3) #3 AWG CU, (1) #8 AWG CU GND. IN 1-1/4" CONDUIT	2.363					NEMA 1			6803	14000	DIRECT BUY - EQUIPMENT TO BE OWNER PROVIDED AND CONTRACTOR INSTALLED.
---------- ELB	New Construction	NORMAL	Branch Panelboard	TELB	211	ELECTRICAL CLOSET	208	3	4	31.8 kVA	88 A	125	125	THERMAL MAGNETIC	T125-4AI	(4) #2/0 AWG AL, (2) #4 AWG AL GND. IN 2" CONDUIT	2.441					NEMA 1			6583	10000	DIRECT BUY - EQUIPMENT TO BE OWNER PROVIDED AND CONTRACTOR INSTALLED.
-------- TELD	New Construction	NORMAL	45 kVA Transformer	EHB	138	ELECTRICAL	480	3	3	14.2 kVA	17 A	80	80		80-3C	(3) #3 AWG CU, (1) #8 AWG CU GND. IN 1-1/4" CONDUIT	0.67					NEMA 1			6803	14000	DIRECT BUY - EQUIPMENT TO BE OWNER PROVIDED AND CONTRACTOR INSTALLED.
---------- ELD	New Construction	NORMAL	Branch Panelboard	TELD	138	ELECTRICAL	208	3	4	14.2 kVA	39 A	125	125	THERMAL MAGNETIC	T125-4AI	(4) #2/0 AWG AL, (2) #4 AWG AL GND. IN 2" CONDUIT	0.712					NEMA 1			6507	10000	DIRECT BUY - EQUIPMENT TO BE OWNER PROVIDED AND CONTRACTOR INSTALLED.
-------- TLP	New Construction	NORMAL	45 kVA Transformer	EHB			480	3	3	45.8 kVA	55 A	80	80		80-3C	(3) #3 AWG CU, (1) #8 AWG CU GND. IN 1-1/4" CONDUIT	2.787					NEMA 1			6803	14000	DIRECT BUY - EQUIPMENT TO BE OWNER PROVIDED AND CONTRACTOR INSTALLED.
---------- LP	New Construction	NORMAL	Branch Panelboard	TLP	151	RX STORAGE	208	3	4	45.8 kVA	127 A	150	150	THERMAL MAGNETIC	T150-4AI	(4) #3/0 AWG AL, (2) #1/0 AWG AL GND. IN 3" CONDUIT	2.978					NEMA 1			6389	10000	DIRECT BUY - EQUIPMENT TO BE OWNER PROVIDED AND CONTRACTOR INSTALLED.
-------- TELA	New Construction	NORMAL	45 kVA Transformer	EHB	211	ELECTRICAL CLOSET	480	3	3	30.9 kVA	37 A	70	70		70-3C	(3) #4 AWG CU, (1) #8 AWG CU GND. IN 1-1/4" CONDUIT	2.683					NEMA 1			6803	14000	DIRECT BUY - EQUIPMENT TO BE OWNER PROVIDED AND CONTRACTOR INSTALLED.
---------- ELA	New Construction	NORMAL	Branch Panelboard	TELA	211	ELECTRICAL CLOSET	208	3	4	21.4 kVA	59 A	125	125	THERMAL MAGNETIC	T125-4AI	(4) #2/0 AWG AL, (2) #4 AWG AL GND. IN 2" CONDUIT	2.736					NEMA 1			6583	10000	DIRECT BUY - EQUIPMENT TO BE OWNER PROVIDED AND CONTRACTOR INSTALLED.
---------- ELC	New Construction	NORMAL	Branch Panelboard	TELA	211	ELECTRICAL CLOSET	208	3	4	9.6 kVA	27 A	125	125	THERMAL MAGNETIC	T125-4A	(4) #2/0 AWG AL, (1) #4 AWG AL GND. IN 2" CONDUIT	2.708					NEMA 1			6489	10000	DIRECT BUY - EQUIPMENT TO BE OWNER PROVIDED AND CONTRACTOR INSTALLED.
---- PPA3	New Construction	NORMAL	Branch Panelboard	MSB	211	ELECTRICAL CLOSET	480	3	4	284.2 kVA	342 A	400	400	MAIN LUGS ONLY	*500-4A	(2) SETS OF (4) #350 KCMIL AL, (1) #2/0 AWG AL GND. IN 3" CONDUIT EACH	2.737					NEMA 1			17422	25000	DIRECT BUY - EQUIPMENT TO BE OWNER PROVIDED AND CONTRACTOR INSTALLED.
------ TLF	New Construction	NORMAL	150 kVA Transformer	PPA3			480	3	3	118.7 kVA	143 A	225	225	MAIN LUGS ONLY	225-3A	(3) #300 KCMIL AL, (1) #2 AWG AL GND. IN 3" CONDUIT	2.77					NEMA 1			10266	14000	DIRECT BUY - EQUIPMENT TO BE OWNER PROVIDED AND CONTRACTOR INSTALLED.
-------- LF1	New Construction	NORMAL	Branch Panelboard	TLF	211	ELECTRICAL CLOSET	208	3	4	118.7 kVA	329 A	400	400	THERMAL MAGNETIC	T400-4A	(2) SETS OF (4) #250 KCMIL AL, (1) #2 AWG AL GND. IN 3" CONDUIT EACH	2.962	FEED-THROUGH				NEMA 1			9922	22000	DIRECT BUY - EQUIPMENT TO BE OWNER PROVIDED AND CONTRACTOR INSTALLED.
---------- LF2	New Construction	NORMAL	Fused Switch	LF1	211	ELECTRICAL CLOSET	208	3	4	65.4 kVA	181 A	400	400	MAIN LUGS ONLY	400-4A	(2) SETS OF (4) #250 KCMIL AL, (1) #1 AWG AL GND. IN 3" CONDUIT EACH	2.99					NEMA 1			9823	22000	DIRECT BUY - EQUIPMENT TO BE OWNER PROVIDED AND CONTRACTOR INSTALLED.
---- TLDPA	New Construction	NORMAL	300 kVA Transformer	MSB	138	ELECTRICAL	480	3	3	331.0 kVA	398 A	450	450	MAIN LUGS ONLY	450-3A	(2) SETS OF (3) #300 KCMIL AL, (1) #1/0 AWG AL GND. IN 3" CONDUIT EACH	0.564					NEMA 1			20693	25000	DIRECT BUY - EQUIPMENT TO BE OWNER PROVIDED AND CONTRACTOR INSTALLED.
------ LDPA	New Construction	NORMAL	Distribution Panelboard	TLDPA	138	ELECTRICAL	208	3	4	331.0 kVA	919 A	1200	1200	ELECTRONIC LSI ERM	T1200-4A	(4) SETS OF (4) #500 KCMIL AL, (1) #1/0 AWG AL GND. IN 4" CONDUIT EACH	0.778					NEMA 1			20150	25000	DIRECT BUY - EQUIPMENT TO BE OWNER PROVIDED AND CONTRACTOR INSTALLED.
-------- DEF1	New Construction	NORMAL	Branch Panelboard	LDPA	138	ELECTRICAL	208	3	4	156.5 kVA	434 A	600	600	MAIN LUGS ONLY	600-4A	(2) SETS OF (4) #500 KCMIL AL, (1) #2/0 AWG AL GND. IN 4" CONDUIT EACH	0.813					NEMA 1			19858	22000	DIRECT BUY - EQUIPMENT TO BE OWNER PROVIDED AND CONTRACTOR INSTALLED.
-------- FLA1	New Construction	NORMAL	Branch Panelboard	LDPA	138	ELECTRICAL	208	3	4	81.8 kVA	227 A	400	400	MAIN LUGS ONLY	400-4A	(2) SETS OF (4) #250 KCMIL AL, (1) #1 AWG AL GND. IN 3" CONDUIT EACH	0.828					NEMA 1			19369	22000	DIRECT BUY - EQUIPMENT TO BE OWNER PROVIDED AND CONTRACTOR INSTALLED.
-------- LD1	New Construction	NORMAL	Branch Panelboard	LDPA	138	ELECTRICAL	208	3	4	35.1 kVA	98 A	225	225	MAIN LUGS ONLY	225-4A	(4) #300 KCMIL AL, (1) #2 AWG AL GND. IN 3" CONDUIT	0.828					NEMA 1			18392	22000	DIRECT BUY - EQUIPMENT TO BE OWNER PROVIDED AND CONTRACTOR INSTALLED.
---- PPA1	New Construction	NORMAL	Branch Panelboard	MSB	126	HALL 'A'	480	3	4	415.3 kVA	499 A	600	600	MAIN LUGS ONLY	600-4A	(2) SETS OF (4) #500 KCMIL AL, (1) #2/0 AWG AL GND. IN 4" CONDUIT EACH	2.406					NEMA 1			24947	35000	DIRECT BUY - EQUIPMENT TO BE OWNER PROVIDED AND CONTRACTOR INSTALLED.
------ D176B-480	New Construction	NORMAL	Fused Switch	PPA1	113	DELI PREP 'A'	0	3	4	29.1 kVA	35 A	45	45		45-4C	(4) #6 AWG CU, (1) #10 AWG CU GND. IN 1" CONDUIT	2.739					NEMA 1			9155	14000	
------ TJKL	New Construction	NORMAL	225 kVA Transformer	PPA1	126	HALL 'A'	480	3	3	165.7 kVA	199 A	350	350		350-3A	(3) #750 KCMIL AL, (1) #1 AWG AL GND. IN 4" CONDUIT	2.455					NEMA 1			11513	14000	DIRECT BUY - EQUIPMENT TO BE OWNER PROVIDED AND CONTRACTOR INSTALLED.
-------- LJ	New Construction	NORMAL	Branch Panelboard	TJKL	126	HALL 'A'	208	3	4	165.7 kVA	460 A	600	600	THERMAL MAGNETIC	T600-4A	(2) SETS OF (4) #500 KCMIL AL, (1) #1/0 AWG AL GND. IN 4" CONDUIT EACH	2.552	FEED-THROUGH				NEMA 1			[illegible]	22000	DIRECT BUY - EQUIPMENT TO BE OWNER PROVIDED AND CONTRACTOR INSTALLED.
---------- LK	New Construction	NORMAL	Branch Panelboard	LJ	126	HALL 'A'	208	3	4	99.2 kVA	275 A	600	600	MAIN LUGS ONLY	600-4A	(2) SETS OF (4) #500 KCMIL AL, (1) #2/0 AWG AL GND. IN 4" CONDUIT EACH	2.566	FEED-THROUGH				NEMA 1			[illegible]	22000	DIRECT BUY - EQUIPMENT TO BE OWNER PROVIDED AND CONTRACTOR INSTALLED.
------------ LL	New Construction	NORMAL	Branch Panelboard	LK	126	HALL 'A'	208	3	4	31.3 kVA	87 A	600	600	MAIN LUGS ONLY	600-4A	(2) SETS OF (4) #500 KCMIL AL, (1) #2/0 AWG AL GND. IN 4" CONDUIT EACH	2.57	FEED-THROUGH				NEMA 1			[illegible]	22000	DIRECT BUY - EQUIPMENT TO BE OWNER PROVIDED AND CONTRACTOR INSTALLED.
---- PPR	New Construction	NORMAL	Branch Panelboard	MSB	138	ELECTRICAL	480	3	4	356.7 kVA	429 A	600	600	MAIN LUGS ONLY	600-4A	(2) SETS OF (4) #500 KCMIL AL, (1) #2/0 AWG AL GND. IN 4" CONDUIT EACH	0.526					NEMA 1			[illegible]	65000	DIRECT BUY - EQUIPMENT TO BE OWNER PROVIDED AND CONTRACTOR INSTALLED.
------ PROTOCOL A	New Construction	NORMAL	Fused Switch	PPR	133	BACKROOM	480	3	4	66.1 kVA	79 A	100	100	FUSED	100-4A	(4) #1/0 AWG AL, (1) #6 AWG AL GND. IN 2" CONDUIT	0.953					NEMA 1			[illegible]	[illegible]	
------ PROTOCOL B	New Construction	NORMAL	Fused Switch	PPR	133	BACKROOM	480	3	4	83.6 kVA	101 A	150	200	FUSED	150-4A	(4) #3/0 AWG AL, (1) #4 AWG AL GND. IN 3" CONDUIT	0.84					NEMA 1			[illegible]	[illegible]	
------ PROTOCOL C	New Construction	NORMAL	Fused Switch	PPR	133	BACKROOM	480	3	4	48.4 kVA	58 A	80	100	FUSED	80-4C	(4) #3 AWG CU, (1) #8 AWG CU GND. IN 1-1/4" CONDUIT	0.803					NEMA 1			[illegible]	25000	
------ PROTOCOL D	New Construction	NORMAL	Fused Switch	PPR	133	BACKROOM	480	3	4	48.4 kVA	58 A	80	100	FUSED	80-4C	(4) #3 AWG CU, (1) #8 AWG CU GND. IN 1-1/4" CONDUIT	1.305					NEMA 1			[illegible]	14000	
------ PROTOCOL E	New Construction	NORMAL	Fused Switch	PPR	133	BACKROOM	480	3	4	83.6 kVA	101 A	150	200	FUSED	150-4A	(4) #3/0 AWG AL, (1) #4 AWG AL GND. IN 3" CONDUIT	[illegible]					NEMA 1			13415	18000	

ELECTRIC 277V CONTACTOR SCHEDULE

CONTACTOR RATING TYP. 30AMP/600v
NOTES:COIL VOLTAGE: 277v

"BC" CONTROL REMARKS

NOTES: ALL CONTACTORS ARE TO BE 12 POLE, UNLESS OTHERWISE NOTED. EC TO PROVIDE ONE ENCLOSURE FOR EACH PANEL LISTED IN "BC" CONTROL REMARKS.REFER TO DETAIL ESD-13 FOR CONTACTOR WIRING DIAGRAM.

ALL OFF 2/3 LIGHTING REDUCTION LHA1,LHA3	NIGHT SET-BACK 1/3 LIGHTING REDUCTION LHA2,LHA4	DUST TO DAWN: LHD2, LHD3. DUSK TO 10:00PM:LEHA1, LHB8	MOMENTARY OVERRIDE:OFF FROM 10:00PM TO 8:00 AM.

SUPPLY	CIRCUIT NUMBER	LOAD NAME	Contactor
LEHA1			
EHA	5	NN13 TT	LEHA1
EHA	12	NN13	LEHA1
EHA	13	SITE LIGHTING	LEHA1
LEHB1			
EHB	13	B10 B11	LEHB1
EHB	14	B10 B11	LEHB1
EHB	15	B10 B11	LEHB1
EHB	18	B10	LEHB1
LHA1			
HA	1	B10	LHA1
HA	6	B10	LHA1
HA	14	B10	LHA1
HA	22	B10	LHA1
HA	30	B10	LHA1
HA	38	B10	LHA1
LHA2			
HA	3	B10	LHA2
HA	10	B10	LHA2
HA	18	B10	LHA2
HA	26	B10	LHA2
HA	34	B11	LHA2
LHA3			
HA	2	B10	LHA3
HA	8	B10	LHA3
HA	16	B10	LHA3
HA	24	B10	LHA3
HA	32	B10	LHA3
HA	40	ASSOCIATE WOMEN 207 C8 C1 K3 16'	LHA3
LHA4			
HA	4	B10	LHA4
HA	12	B10	LHA4
HA	20	B10	LHA4
HA	28	B10	LHA4
HA	36	B11	LHA4
LHB1			
HB	1	K3 24' K3 16' K3 28' SPECIALTY LIGHTING	LHB1
HB	2	AA1 LIGHTING AA1	LHB1
HB	3	AA1 AA1	LHB1
LHB3			
HB	9	DELI SERVICE 'A' 116 CC1	LHB3
LHB4			
HB	10	CHEESE SHOP 121 CC1	LHB4
LHB5			
HB	11	MEAT / SEAFOOD SERVICE 129 C1	LHB5
LHB6			
HB	14	PHARMACY 145 C1	LHB6
LHB7			
HB	16	LL9 TT	LHB7
LHB8			
HB	19,21	SITE LIGHTING	LHB8
HB	22,24	SITE LIGHTING	LHB8
HB	23,25	SITE LIGHTING	LHB8
HB	26,28	SITE LIGHTING	LHB8
HB	27,29	SITE LIGHTING	LHB8

Electrical Equipment Schedule

Family	Equipment Mark	Family and Type	KLH Mains Frame Rating	KLH Mains Rating	DC FURN	KLH Short Circuit Rating	KLH Auto Short Circuit Rating
Disconnect - Toggle Switch	CP1	Disconnect - Toggle Switch: Disconnect - Toggle Switch	20	20	EC		
Disconnect - Toggle Switch	CSP1	Disconnect - Toggle Switch: Disconnect - Toggle Switch	20	20	EC		Yes
Disconnect - Toggle Switch	CU-1	Disconnect - Toggle Switch: Disconnect - Toggle Switch	20	20	EC	10000	Yes
Disconnect - Toggle Switch	CU-2	Disconnect - Toggle Switch: Disconnect - Toggle Switch	60	60	EC	10000	Yes
Disconnect - Toggle Switch	CU-3	Disconnect - Toggle Switch: Disconnect - Toggle Switch	20	20	EC		
Direct Connection	DOAS-1	Direct Connection: Direct Connection	90	90	EC		Yes
Direct Connection	DOAS-2	Direct Connection: Direct Connection	90	90	EC		Yes
Disconnect - Toggle Switch	EF-CC	Disconnect - Toggle Switch: Disconnect - Toggle Switch	15	15	EC	10000	Yes
Disconnect - Toggle Switch	EF-E	Disconnect - Toggle Switch: Disconnect - Toggle Switch	20	20	EC	10000	Yes
Disconnect - Toggle Switch	EF-EP	Disconnect - Toggle Switch: Disconnect - Toggle Switch	20	20	EC		Yes
Disconnect - Toggle Switch	EF-G1	Disconnect - Toggle Switch: Disconnect - Toggle Switch	20	20	EC	10000	Yes
Disconnect - Toggle Switch	EF-G2	Disconnect - Toggle Switch: Disconnect - Toggle Switch	20	20	EC	10000	Yes
Disconnect - Toggle Switch	EF-K1	Disconnect - Toggle Switch: Disconnect - Toggle Switch	30	30	EC	10000	Yes
Disconnect - Toggle Switch	EF-K2	Disconnect - Toggle Switch: Disconnect - Toggle Switch	20	20	EC	10000	Yes
Disconnect - Toggle Switch	EF-R1	Disconnect - Toggle Switch: Disconnect - Toggle Switch	60	60	EC	22000	Yes
Disconnect - Toggle Switch	EF-R2	Disconnect - Toggle Switch: Disconnect - Toggle Switch	20	20	EC		Yes
Disconnect - Toggle Switch	EF-R3	Disconnect - Toggle Switch: Disconnect - Toggle Switch	20	20	EC		Yes
Disconnect - Toggle Switch	EF-S	Disconnect - Toggle Switch: Disconnect - Toggle Switch	20	20	EC	10000	Yes
Disconnect - Toggle Switch	ESP1	Disconnect - Toggle Switch: Disconnect - Toggle Switch	20	20	EC		Yes
Disconnect - Toggle Switch	F-1	Disconnect - Toggle Switch: Disconnect - Toggle Switch	15	15	EC		Yes
Disconnect - Toggle Switch	F-2	Disconnect - Toggle Switch: Disconnect - Toggle Switch	15	15	EC		Yes
Disconnect - Toggle Switch	F-3	Disconnect - Toggle Switch: Disconnect - Toggle Switch	15	15	EC		Yes

ELECTRIC 120V CONTACTOR SCHEDULE

CONTACTOR RATING TYP. 30AMP/600v
NOTES:COIL VOLTAGE: 120v

"BC" CONTROL REMARKS: OFF FROM 10:00PM TO 8:00AM.

NOTES: ALL CONTACTORS ARE TO BE 12 POLE,UNLESS OTHERWISE NOTED. EC TO PROVIDE ONE ENCLOSURE FOR EACH PANEL LISTED IN "BC" CONTROL REMARKS. REFER TO DETAIL ESD-13 FOR CONTACTOR WIRING DIAGRAM.

SUPPLY	CIRCUIT NUMBER	LOAD NAME	Contactor
LLD1			
LD1	17	GM17S-4 LIGHT VALENCE GM7M-4 LIGHT VALENCE | LIGHTING ROOM 156, 156	LLD1
LD1	18	GM17S-4 LIGHT VALENCE GM20HM LIGHT VALENCE GM7M-4 LIGHT VALENCE | LIGHTING SALES 156	LLD1
LD1	19	GM17S-4 LIGHT VALENCE GM20HM LIGHT VALENCE GM7M-4 LIGHT VALENCE | LIGHTING SALES 156	LLD1
LD1	20	GM17S-4 LIGHT VALENCE GM20HM LIGHT VALENCE GM7M-4 LIGHT VALENCE | LIGHTING SALES 156	LLD1
LD1	21	GM17S-4 LIGHT VALENCE GM20HM LIGHT VALENCE GM20LM LIGHT VALENCE GM7M-4 LIGHT VALENCE | LIGHTING SALES 156	LLD1
LD1	22	GM17S-4 LIGHT VALENCE GM7M-4 LIGHT VALENCE | LIGHTING ROOM 156, 156	LLD1
LLF1			
LF1	2	GM3V CIGARETTE FIXTURE | LIGHTING CUSTOMER SERVICE 155	LLF1
LF1	31	TRACK LIGHTING	LLF1
LF1	32	TRACK LIGHTING	LLF1
LF1	33	TRACK LIGHTING	LLF1
LF1	34	TRACK LIGHTING	LLF1
LF1	35	TRACK LIGHTING	LLF1
LF1	36	TRACK LIGHTING	LLF1
LF1	37	TRACK LIGHTING	LLF1
LF1	38	TRACK LIGHTING	LLF1
LF1	39	TRACK LIGHTING	LLF1
LF1	40	TRACK LIGHTING	LLF1
LF1	41	TRACK LIGHTING	LLF1
LF1	42	TRACK LIGHTING	LLF1
LLF12			
LF1	43	TRACK LIGHTING	LLF12

GENERAL ELECTRICAL INSTALLATION NOTES

A. CUT PARALLEL SERVICE/FEEDER CONDUCTORS TO EXACTLY THE SAME LENGTHS AND USE CONDUCTORS FROM THE SAME FACTORY RUN. TORQUE ALL CONNECTIONS FOR PARALLEL SERVICE/FEEDER CONDUCTORS TO IDENTICAL VALUES.

B. EXTERIOR ELECTRICAL WORK SHALL NOT ONLY BE WEATHERPROOF AND WATER-TIGHT, BUT SHALL ALSO BE RUST-RESISTANT.

C. PROVIDE XHHW-2 CONDUCTORS FOR ALL APPLICATIONS THAT ARE BELOW GRADE OR SUBJECT TO MOISTURE.

D. UNLESS INDICATED OTHERWISE, PROVIDE FULLY-RATED OR SERIES-RATED OVERCURRENT PROTECTION (OCP) AS REQUIRED TO COMPLY WITH ALL APPLICABLE REQUIREMENTS OFNFPA 70. IF FAULT CURRENT VALUES ARE NOT INDICATED AT NODES ON THE SINGLE-LINE DIAGRAM, ALSO PROVIDE FAULT CURRENT CALCULATIONS AND FURNISH RESULTS WITH EQUIPMENT SUBMITTALS. PROVIDE EQUIPMENT AND OCP RATED TO MEET OR EXCEED THE CALCULATED AVAILABLE SERIES-RATEDFAULT CURRENT AT THE RESPECTIVE NODE IN THE POWER DISTRIBUTION SYSTEM. FURNISH ELECTRONIC COPIES OF THE ELECTRICAL DOCUMENTS TO THE MANUFACTURER'S REPRESENTATIVE AND/OR EQUIPMENT SUPPLIER SO THAT PROPERLY RATED AND BRACED EQUIPMENT IS PROVIDED UNDER BASE BID.

E. PROVIDE GROUNDING ELECTRODE CONDUCTORS IN STRICT COMPLIANCE WITH THE LATEST ADOPTED EDITION OF THE NATIONAL ELECTRICAL CODE (NFPA 70), INCLUDING ARTICLE 250 AND TABLE 250.66. THESE CONDUCTORS MAY OR MAY NOT BE INDICATED ON SINGLE-LINE DIAGRAMS, BUT SHALL BE PROVIDED UNDER BASE BID NEVERTHELESS.

F. PROVIDE EQUIPMENT GROUNDING CONDUCTORS IN STRICT COMPLIANCE WITH THE LATEST ADOPTED EDITION OF THE NATIONAL ELECTRICAL CODE (NFPA 70), INCLUDING ARTICLE 250 AND TABLE 250.122. THESE CONDUCTORS MAY OR MAY NOT BE INDICATED ON SINGLE-LINE DIAGRAMS, BUT SHALL BE PROVIDED UNDER BASE BID NEVERTHELESS.

G. LOCATIONS AND ROUTING INDICATED ON PLANS ARE SCHEMATIC AND DIAGRAMMATIC IN NATURE. LAYOUT AND INSTALL ALL ELECTRICAL WORK IN STRICT COMPLIANCE WITH CHAPTER 1, PART II, ARTICLE 110.26 OF THE LATEST ADOPTED EDITION OF THE NATIONAL ELECTRICAL CODE (NFPA 70).

H. HOLD ALL NEW OVERHEAD ELECTRICAL WORK AS TIGHTLY AS POSSIBLE TO THE BOTTOM OF THE OVERHEAD STRUCTURE. DO NOT INSTALL ANY ELECTRICAL WORK WITHIN SIX INCHES OF ROOF DECKING.

I. LAYOUT ALL PROPOSED RACEWAY ROUTING, ELEVATIONS, INSTALLATION METHODS, ETC. ON COORDINATION DRAWINGS AND COORDINATE ALL PROPOSED RACEWAY ROUTING WITH ALL AFFECTED TRADES PRIOR TO COMMENCING WITH WORK. IN ADDITION, REVIEW THE INFORMATION WITH ARCHITECT, ENGINEER AND OWNER FOR ALL AREAS WHERE THE RACEWAYS WILL BE VISIBLE AFTER COMPLETION OF CONSTRUCTION.

J. REFER TO AND COORDINATE WITH POWER FLOOR PLANS, EQUIPMENT SCHEDULES (INCLUDING EQUIPMENT COORDINATION SCHEDULES), DRAWINGS OF ALL TRADES, ALL DIVISIONS AND SECTIONS OF SPECIFICATIONS AND INSTALLERS OF ALL TRADES. BASED ON ACTUAL EQUIPMENT BEING PROVIDED, DETERMINE AND PROVIDE APPROPRIATE BREAKERS, FUSES, CONDUCTORS, CONTROLS, POWER DISTRIBUTION EQUIPMENT, ETC. PERFORM THESE SERVICES PRIOR TO FURNISHING POWER DISTRIBUTION EQUIPMENT SUBMITTALS.

K. VERIFY OVERCURRENT PROTECTION REQUIREMENTS AND CONDUCTOR REQUIREMENTS WITH ELEVATOR VENDOR PRIOR TO FURNISHING POWER DISTRIBUTION EQUIPMENT SUBMITTALS. PROVIDE COPPER CONDUCTORS FOR FINAL CONNECTIONS AT ALL ELEVATOR CONTROLLERS. PROVIDE FULL PARITY-SIZED EQUIPMENT GROUNDING CONDUCTOR FOR ALL FEEDS TO ELEVATOR CONTROLLERS, SIZED THE SAME AS THE PHASE CONDUCTORS. PROVIDE AT LEAST THE SAME SIZE EQUIPMENT GROUNDING CONDUCTOR FOR ALL "UPSTREAM" FEEDERS AS WELL. COORDINATE ALL ELEVATOR RELATED WORK WITH ELEVATOR INSTALLER PRIOR TO COMMENCING WITH MATERIAL PROCUREMENT OR ANY RELATED WORK.

L. REFER TO DERIVED SYSTEM GROUNDING ELECTRODE CONDUCTOR SCHEDULE FOR MINIMUM GROUNDING ELECTRODE CONDUCTOR SIZES.

M. LOCATE JUNCTION AND PULL BOXES SO THAT THEY REMAIN ACCESSIBLE AFTER ALL CONSTRUCTION WORK IS COMPLETE. COORDINATE ALL WORK WITH ALL OTHER TRADES PRIOR TO COMMENCEMENT OF THE WORK.

N. UNLESS INDICATED OTHERWISE, PROVIDE NEMA 3R ENCLOSURES FOR ALL OUTDOOR EQUIPMENT AND ALL INDOOR EQUIPMENT THAT IS SUBJECT TO MOISTURE. PROVIDE NEMA 1 ENCLOSURES FOR ALL OTHER INDOOR EQUIPMENT.

O. PROVIDE FLUSH MOUNTED EQUIPMENT FOR APPLICATIONS IN FINISHED AREAS AND COORDINATE THESE LOCATIONS AND INSTALLATIONS WITH ARCHITECT, OWNER AND AFFECTED TRADES. ELSEWHERE PROVIDE SURFACE MOUNTED EQUIPMENT UNLESS FLUSH MOUNTED EQUIPMENT IS NEEDED TO ACCOMMODATE UNUSUAL CONDITIONS.

P. IN ADDITION TO PANEL LABELING REQUIRED WITHIN THE SPECIFICATIONS, EACH PANEL SHALL ALSO BE LABELED WITH ITS CORRESPONDING MAXIMUM AIC (AVAILABLE INRUSH [illegible]) AS INDICATED NEXT TO EACH PANEL ON THIS PLAN PER NEC REQUIREMENTS.

Q. PROVIDE LUGS, LUG KITS AND RELATED ACCESSORY WORK AS REQUIRED TO ACCOMMODATE THE CONDUCTOR SIZES AND QUANTITIES NEEDED FOR EACH APPLICATION. COORDINATE WITH SINGLE-LINE DIAGRAM, FIELD CONDITIONS, ETC. PROVIDE THE FOLLOWING SUPPLEMENTAL WORK FOR ALUMINUM-CONDUCTOR ELECTRICAL EQUIPMENT CONNECTIONS REGARDLESS OF WHO FURNISHES THE EQUIPMENT.
a. REVIEW EQUIPMENT SUBMITTALS, INSTALLATION DOCUMENTS AND NAMEPLATES TO DETERMINE IF THERE ARE ANY WARRANTY OR UL LIMITATIONS REGARDING COPPER VERSUS ALUMINUM WIRING CONNECTIONS AT EQUIPMENT.
b. IF THERE ARE ANY LIMITATIONS, PROVIDE LOCAL DISCONNECT AT OR NEAR EQUIPMENT (EXTERNAL TO THE EQUIPMENT) AND TERMINATE ALUMINUM CONDUCTORS TO THE LINE-SIDE LUGS/TERMINALS OF THE DISCONNECT SWITCH. PROVIDE COPPER CONDUCTORS FROM LOAD-SIDE LUGS/TERMINALS OF THE DISCONNECT SWITCH TO THE RESPECTIVE EQUIPMENT FACTORY DISCONNECT OR LUG/TERMINALS AS APPLICABLE.
c. COORDINATE ALL RELATED WORK WITH ALL AFFECTED INSTALLERS.

R. HOME-RUN DESIGNATIONS INDICATED ON PLANS ARE SCHEMATIC DESIGNATIONS ONLY. DETERMINE EXACT CIRCUIT ASSIGNMENTS [illegible] BASED ON FIELD CONDITIONS. PROVIDE COLOR-CODED CONDUCTOR INSULATION [illegible], CODED PROPERLY DEPENDING ON SYSTEM, PHASE, NEUTRAL, ETC. PROVIDE EQUIPMENT AND PANELBOARD SCHEDULES THAT ACCURATELY [illegible] THE INSTALLED CONDITIONS.

S. PROVIDE NEW BRANCH CIRCUIT BREAKERS, TO MATCH EXISTING MANUFACTURER, MODEL AND AIC RATING, AS REQUIRED TO RENDER ALL NEW AND MODIFIED ELECTRICAL WORK FULLY OPERATIONAL UNLESS LOCATED IN THE SAME ROOM WITHIN 25 FEET OF THE SOURCE OF PRIMARY POWER [illegible]
AND WITHIN [illegible], PROVIDE LOCAL PRIMARY DISCONNECT SWITCH FOR EACH TRANSFORMER. PROVIDE FUSED DISCONNECT SWITCH FOR APPLICATIONS WHERE A TAP RULE IS BEING APPLIED. OTHERWISE [illegible] SWITCH MAY BE NON-FUSED. IN CASES WHERE IT IS PHYSICALLY IMPOSSIBLE [illegible] A PRIMARY DISCONNECT SWITCH CLOSE TO THE RESPECTIVE TRANSFORMER [illegible] COMPLIANT MANNER, PROVIDE PERMANENTLY INSTALLED LOCK-OUT/TAG-OUT PROVISIONS AT THE UPSTREAM OVERCURRENT PROTECTION DEVICE AND RELATED INFORMATIONAL SIGNAGE AT THE TRANSFORMER.

T. AMPERE RATINGS INDICATED ON DRAWINGS FOR CIRCUIT BREAKERS ARE SHOWN TO DEFINE OVERCURRENT REQUIREMENTS/TRIP RATINGS. PROVIDE BREAKER FRAMES IN SIZES AND TYPES GREATER THAN THE DESIGNATED OVERCURRENT TRIP RATINGS WHERE NECESSARY TO ACHIEVE [illegible] SELECTIVE COORDINATION, AND/OR AS NECESSARY FOR OTHER APPLICABLE REASONS.

U. FOR ALL CIRCUIT BREAKERS WHERE THE CURRENT TRIP SETTING IS RATED AT, OR CAN BE ADJUSTED TO, 1200A OR LARGER, PROVIDE DOCUMENTATION AS TO THE LOCATION OF THESE CIRCUIT BREAKERS IN THE SYSTEM AND PROVIDE AT LEAST (1) OF THE (4) MEANS TO REDUCE THE CLEARING TIME AS NOTED IN ARTICLE 240.87(B) OF NFPA 70

SINGLE-LINE DIAGRAM KEYED NOTES

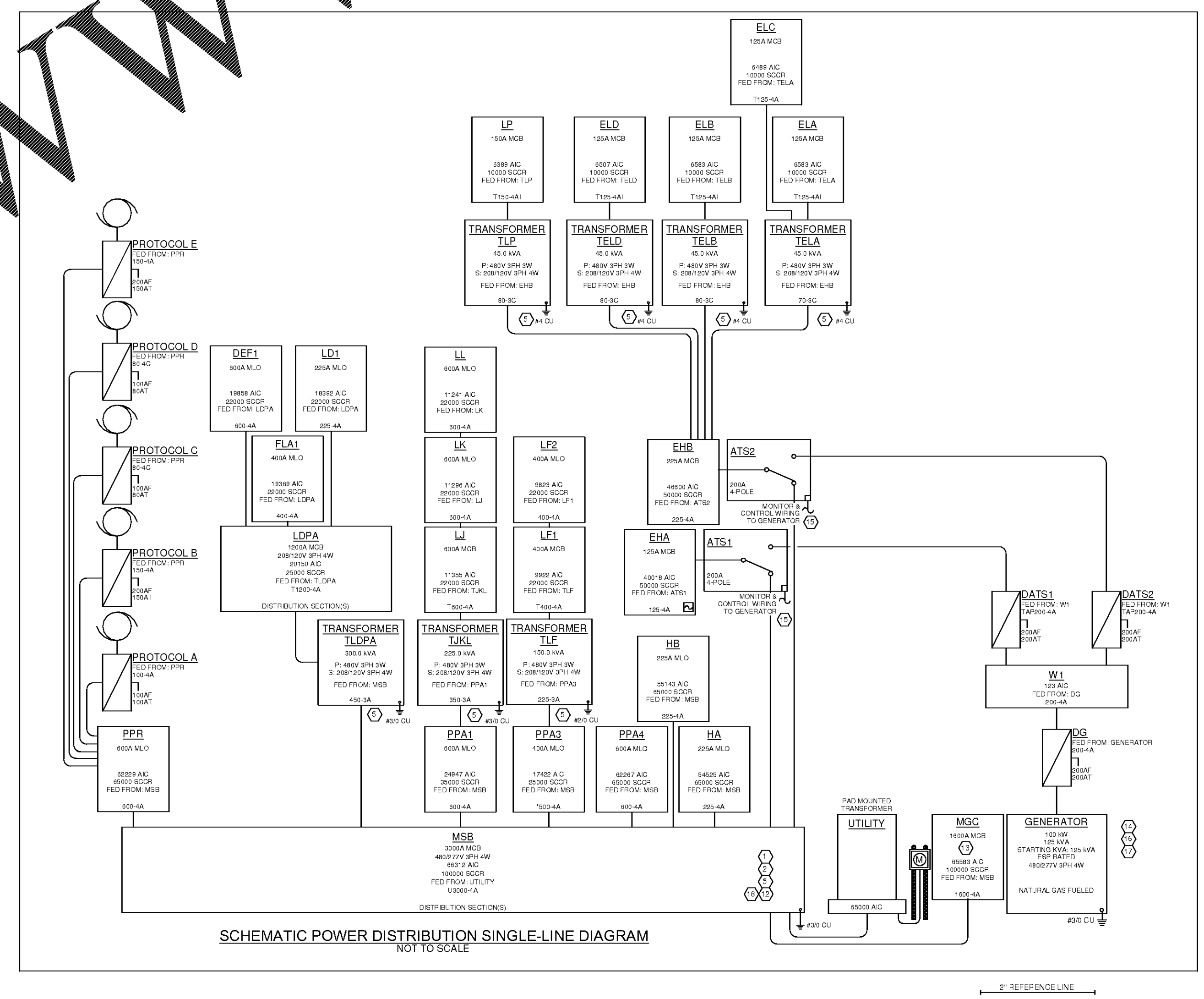
1. [illegible] BUSSING FOR FUTURE EXTENSION FOR ADDITIONAL DISTRIBUTION SECTION.
2. PROVIDE GROUNDING BUSBAR FOR [illegible] GROUNDING ELECTRODE SYSTEM (TYPICAL AT ALL LOCATIONS/GROUPS OF POWER DISTRIBUTION EQUIPMENT). SEE DETAIL AA ON DETAILS SHEET. PROVIDE ONE AT EACH GROUP OF ONE OR MORE PIECES OF POWER DISTRIBUTION EQUIPMENT AND PROVIDE CONTINUOUS BUILDING GROUNDING ELECTRODE CONDUCTORS BETWEEN [illegible].
3. INSTALL TRANSFORMER [illegible]. COORDINATE SUPPORTING MEANS AND METHODS WITH ARCHITECT AND STRUCTURAL ENGINEER.
4. SEE PANEL [illegible] SCHEDULE DRAWING SHEETS FOR CONTACTOR SCHEDULES. INSTALL "BC" LIGHTING CONTROL INTERFACE ("LPC" - FURNISHED BY EQT. MFR.) NEAR CONTACTOR. PROVIDE (1) 3/4" EMPTY CONDUIT FROM CONTACTOR TO "LPC" AND FROM "LPC" TO "BC" CONTROL PANEL. PROVIDE TWO 20A/120V DEDICATED CONTROL POWER CIRCUITS, FED FROM NEARBY 208Y/120V PANELBOARD, ONE FOR CONTACTOR COIL(S) AND ONE FOR LIGHTING CONTROL INTERFACE(S). MULTIPLE CONTACTOR COILS AND MULTIPLE LIGHTING CONTROL INTERFACES MAY SHARE THE RESPECTIVE CONTROL POWER CIRCUITS. PROVIDE 20A/1P BRANCH BREAKERS IN SOURCE PANELBOARD (EVEN IF NOT SCHEDULED). THE COIL VOLTAGE AND LINE VOLTAGE SHOULD MATCH FOR RECESSED MOUNTED CONTACTORS.
5. PROVIDE 6" HIGH REINFORCED CONCRETE HOUSEKEEPING PAD WITH CHAMFERED CORNERS.
6. ROOFTOP UNIT IS NOT U.L. LISTED/LABELED FOR ALUMINUM WIRING CONNECTIONS. CONVERT TO COPPER CONDUCTORS VIA U.L. LISTED & APPROVED SPLICE IN JUNCTION BOX (IN JOIST SPACE BELOW RESPECTIVE ROOFTOP UNIT) AS INDICATED.
7. FIELD VERIFY REQUIRED FUSES SIZES FOR THE FUSIBLE DISCONNECT SWITCHES THAT SERVE ALL PROTOCOL EQUIPMENT. FIELD VERIFY ALL CIRCUIT/HOME-RUN DESIGNATIONS FOR ALL LOADS FED FROM PROTOCOL EQUIPMENT. COORDINATE ALL RELATED WORK IN DETAIL WITH PROTOCOL UNIT EQUIPMENT VENDOR PRIOR TO ROUGH-IN.
8. NOT USED.
9. REFER TO "TRANSFORMER GROUNDING" TABLE FOR GROUND WIRE SIZE. REFER TO DETAIL "AB" FOR ADDITIONAL INFORMATION.
10. NEMA 3R COMBINATION STARTER WITH FUSIBLE DISCONNECT FOR DELI HOOD. STARTER SHALL BE 208V 3 PHASE NEMA 0 WITH NORMALLY OPEN/NORMALLY CLOSED OVERLOAD AND AUXILLARY CONTACTS AS WELL AS HEAVY DUTY HAND-OFF AUTO SELECTOR SWITCH. CONTROL CIRCUIT VOLTAGE SHALL BE 120V. SEE DETAIL 'X' ON E5-SERIES DRAWINGS FOR WIRING DETAIL AND ROOF PLAN FOR MORE INFORMATION.
11. NOT USED.
12. SHUNT TRIP BREAKER TO BE CONTROLLED BY KIRK KEY AT 1600A BACKUP SECTION "(MGC)".
13. NEMA 3R BUSSED ENCLOSURE WITH QUICK CONNECT RECEPTACLES IN AND LUGS/CABLE OUT. EXTERIOR MOUNTED FOR TEMPORARY CONNECTION OF MOBILE GENERATOR.
14. PROVIDE CONDUIT AND WIRING FOR GENERATOR BATTERY CHARGER AND BLOCK HEATER AS SHOWN ON ELECTRICAL FLOOR PLANS.
15. PROVIDE CONTROL WIRING FOR AUTOMATIC TRANSFER SWITCHES AS REQUIRED.
16. IN 1" CONDUIT, CONNECT FROM OUTPUT TERMINALS TO BUILDING SECURITY SYSTEM FOR FAULT CONDITION.
17. PROVIDE EPO SWITCH AT LOCATION SHOWN ON ELECTRICAL POWER FLOOR PLANS. FIELD INSTALL SWITCH AND CONNECTION TO GENERATOR AS APPROVED BY MANUFACTURER AND NEC. PROVIDE CONDUIT AND WIRING FROM GENERATOR TO SWITCH LOCATION.
18. REFER TO ESD-6 FOR INSTALLATION DETAIL AND WIRING DETAIL FOR ENERGY MONITORING SYSTEM.

NOTE FOR PLANS EXAMINER:

STORE GENERATOR HAS BEEN DESIGNED FOR SINGLE-SOURCE OF FUEL (NATURAL GAS U.N.O.). DELIVERED FROM OFF-SITE BY LOCAL UTILITY. UNDER AHJ DIRECTION, GENERATOR MAY BE REQUIRED TO BE DIESEL SET.

NOTE FOR SWITCHGEAR MFGR:

PROVIDE A SELECTIVE COORDINATION STUDY FOR ENTIRE LIFE SAFETY SYSTEM FROM POINT OF GENERATION (GENERATOR AND MSB) SHOWN TO BRANCH CIRCUIT BREAKERS. SYSTEM TO BE SELECTIVELY COORDINATED TO 0.0 SECONDS.



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PROJECT TITLE
KROGER STORE
R543

MERCURY BLVD.
HAMPTON, VA

COMMISSION NO. 517315
ISSUE DATE 10/23/2018
SHEET TITLE
SINGLE LINE ELECTRICAL DIAGRAM

SHEET NO.
E6.2

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