

REVISIONS:

Phillip Kantor Associates, Inc.
 designers • planners • engineers
 581 SHADY GLEN ROAD • BOYDESSVILLE OHIO 43004 • MEMPHIS, TN 38117
 SCALE: AS NOTED
 DRAWN BY: FM
 DATE: 9/26/98
 APPROVED BY: DJ

BRUNSWICK BAPTIST CHURCH
FAMILY LIFE CENTER
 BRUNSWICK, TENNESSEE

SEAL:

SHEET NUMBER:

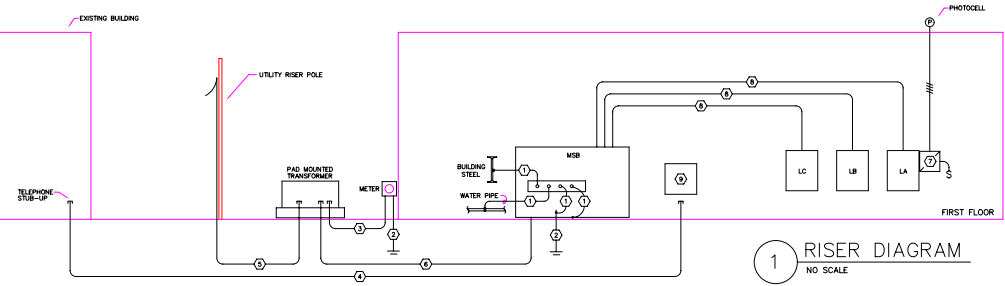
E6

DESCRIPTION:

MARK	DESCRIPTION	LAMPS	MTG	FINISH	REMARKS
A	2"x4" FLUORESCENT LITHONIA 2SP440-A19 120V ES SLP	4-F40T12 LITE WHITE	RECESSED	WHITE	
B	HIGH BAY HD LITHONIA TRP-400M-A17-TB-LCP-WRE GUARD	400W MH	PENDANT		
C	WALL FIXTURE MOPHUBEN 103M1UD-(2)260F-DM 120V HP	2-26W PL	WALL	WHITE	MOUNT 9'-0" A.F.F.
D	STRIP FLUORESCENT LITHONIA C240 120V ES SLP	2-F40T12 LITE WHITE	SURFACE	WHITE	
E	NOT USED				
F	NOT USED				
G	DOWNLIGHT LITHONIA ABAR 120V	100W A19	RECESSED	CLEAR ALZAK	
H	CANOPY DOWNLIGHT LITHONIA AH-100M-7AR 120V	100W METAL HALIDE	RECESSED	CLEAR	
I	NOT USED				
J	WALL PACK LITHONIA TH-250M TB	250W METAL HALIDE	WALL	DK BRONZE	
K	NOT USED				
M	DOOR FIXTURE LITHONIA TML 120V	13TT PL	WALL	BRONZE	
P1	POLE MOUNTED FIXTURE (2) LITHONIA KEEZ 400MR3 SP09 208V	400W METAL HALIDE	POLE	BRONZE	POLE 55S-20-4C DM93-00B
□	EMERGENCY FIXTURE LITHONIA ELD0-N-ELA-FRK 120/277V NICAD BATTERY	INCLUDED	RECESSED	WHITE	
▨	EMERGENCY WALL FIXTURE LITHONIA RELM2-N 120/277V NICAD BATTERY	INCLUDED	CEILING/WALL AS REQUIRED		
◇	EMERGENCY EXIT LIGHT LITHONIA LES-NE3C-ELN 120/277V NICAD BATTERY	INCLUDED	CEILING/WALL AS REQUIRED	GREEN ON WHITE HOUSING	PROVIDE FACES AND ARROWS AS REQUIRED

	2' x 4' FLUORESCENT FIXTURE
	1' x 4' STRIP FLUORESCENT FIXTURE
	CEILING MOUNTED LIGHT FIXTURE
	WALL MOUNTED LIGHT FIXTURE
	EXIT LIGHT FIXTURE
	RECESSED EMERGENCY LIGHT FIXTURE
	WALL PACK EMERGENCY LIGHT FIXTURE
	POLE MOUNTED LIGHT FIXTURE
	BRANCH CIRCUIT PANELBOARD
	DISTRIBUTION POWER PANELBOARD
	CONTROL PANEL
	DISCONNECT SWITCH (FUSE AS REQUIRED)
	STARTER (FUSE AS REQUIRED)
	COMBINATION STARTER (FUSE AS REQUIRED)
	CONTRACTOR
	TRANSFORMER
	MOTOR RATED SWITCH (WITH OVERLOADS)
	MOTOR
	JUNCTION BOX
	OVERHEAD PRIMARY
	OVERHEAD SECONDARY
	UNDERGROUND PRIMARY
	UNDERGROUND SECONDARY
	TELEPHONE RACEWAY
	UNDERGROUND RACEWAY
	CONDUIT STUB-UP
	CIRCUIT HOMERUN - ARROW INDICATES HOMERUN TO PANELBOARD. "SLASH MARKS" INDICATE NUMBER OF CONDUCTORS WHEN MORE THAN (3). "#10" INDICATES WIRE SIZE WHEN LARGER THAN #12 AWG. PROVIDE GROUND CONDUCTOR SIZED PER NEC 250-95 FOR ALL CONDUITS.
	GFI
	WP
	IG
	EDF
	S
	DS
	3S
	D
	DG
	DIG
	DD
	PO - "A" INDICATES TYPE
	TELEPHONE OUTLET
	TELEPHONE OUTLET MOUNTED 44\"/>
	EXISTING TO REMAIN
	EXISTING TO BE REMOVED/RELOCATED

①	1-#4/0 BARE IN 1\"/>
②	3/4\"/>
③	1\"/>
④	3\"/>
⑤	2-4\"/>
⑥	3 PARALLEL RUNS OF 4-300MCM, 1\"/>
⑦	12 POLE, 30 AMP LIGHTING CONTACTOR IN NEMA 1 ENCLOSURE
⑧	4-#4/0, 1-#6G, 2 1/2\"/>
⑨	4"x4\"/>



1 RISER DIAGRAM
NO SCALE

VOLTAGE: 120/208V	BUS AMPS: 225 AMPS	PANEL: LA
PHASE/WIRE: 3P 4W	MAINS: MLO	
PANEL TYPE: N100B	MOUNTING: SURFACE	
ENCLOSURE: NEMA 1	BUS A.I.C.: 10.000A	JOB: BRUNSWICK BAPTIST CHURCH
GROUND BUS: CU	SECTION: 1	BRUNSWICK, TN

LOAD	A	B	C	BRK	CT	GT1	BRK	A	B	C	LOAD
PARKING AREA LIGHTS	1320			207/1	3			900			SPARE
	1320			207/2	3			900			
				207/3	3			900			
	528			207/4	7			2520			AHJ-4
	500			207/5	11			2520			
CANOPY LIGHTS				207/6	11						20-5
	1620			207/7	11			4440			
	1620			207/8	11			4440			
LIGHTS				207/9	19						AHJ-3
	1620			207/10	19			960			
	1620			207/11	19			960			
SPACE				207/12	21						RECEPTACLES
	1620			207/13	21			900			
				207/14	21			900			
				207/15	21			900			
				207/16	21			900			
				207/17	21			900			
				207/18	21			900			
				207/19	21			900			
				207/20	21			900			
				207/21	21			900			
				207/22	21			900			
				207/23	21			900			
				207/24	21			900			
				207/25	21			900			
				207/26	21			900			
				207/27	21			900			
				207/28	21			900			
				207/29	21			900			
				207/30	21			900			
				207/31	21			900			
				207/32	21			900			
				207/33	21			900			
				207/34	21			900			
				207/35	21			900			
				207/36	21			900			
				207/37	21			900			
				207/38	21			900			
				207/39	21			900			
				207/40	21			900			
				207/41	21			900			
				207/42	21			900			
TOTAL	5088	5000	3168					11520	11520	11520	TOTAL

48476
208V X 1.732 = 134 X 1.25 = 168 AMPS
A: 16608
B: 16580
C: 15288

VOLTAGE: 120/208V	BUS AMPS: 225 AMPS	PANEL: LB
PHASE/WIRE: 3P 4W	MAINS: MLO	
PANEL TYPE: N100B	MOUNTING: SURFACE	
ENCLOSURE: NEMA 1	BUS A.I.C.: 10.000A	JOB: BRUNSWICK BAPTIST CHURCH
GROUND BUS: CU	SECTION: 1	BRUNSWICK, TN

LOAD	A	B	C	BRK	CT	GT1	BRK	A	B	C	LOAD
LIGHTS	1620			207/1	1			900			SPARE
	1620			207/2	1			900			
	1620			207/3	1			900			
	1620			207/4	1			900			AHJ-2
	1620			207/5	1			2520			
RECEPTACLES				207/6	9						CU-1
	900			207/7	9			4440			
	900			207/8	9			4440			
	900			207/9	9			960			AHJ-3
	900			207/10	9			960			
SPACE				207/11	21						CU-3
	900			207/12	21			4440			
				207/13	21			4440			
				207/14	21			4440			
				207/15	21			4440			
				207/16	21			4440			
				207/17	21			4440			
				207/18	21			4440			
				207/19	21			4440			
				207/20	21			4440			
				207/21	21			4440			
				207/22	21			4440			
				207/23	21			4440			
				207/24	21			4440			
				207/25	21			4440			
				207/26	21			4440			
				207/27	21			4440			
				207/28	21			4440			
				207/29	21			4440			
				207/30	21			4440			
				207/31	21			4440			
				207/32	21			4440			
				207/33	21			4440			
				207/34	21			4440			
				207/35	21			4440			
				207/36	21			4440			
				207/37	21			4440			
				207/38	21			4440			
				207/39	21			4440			
				207/40	21			4440			
				207/41	21			4440			
				207/42	21			4440			
TOTAL	5840	5040	4320					13260	13260	13260	TOTAL

55080
208V X 1.732 = 153 X 1.25 = 191 AMPS
A: 19200
B: 18500
C: 17580

VOLTAGE: 120/208V	BUS AMPS: 225 AMPS	PANEL: LC
PHASE/WIRE: 3P 4W	MAINS: MLO	
PANEL TYPE: N100B	MOUNTING: SURFACE	
ENCLOSURE: NEMA 1	BUS A.I.C.: 10.000A	JOB: BRUNSWICK BAPTIST CHURCH
GROUND BUS: CU	SECTION: 1	BRUNSWICK, TN

LOAD	A	B	C	BRK	CT	GT1	BRK	A	B	C	LOAD
HIGH BAY LIGHTS	1320			207/1	1			900			RECEPTACLES
	1320			207/2	1			900			EDF
	1320			207/3	1			900			EXH FAN
	1320			207/4	1			900			RECEPTACLES
	1320			207/5	1			900			
	1320			207/6	1			900			AHJ-1
LIGHTS				207/7	11						
	1620			207/8	11			960			
	1620			207/9	11			960			EXH FAN
EXH FAN				207/10	21						
	960			207/11	21			960			EXH FAN
	960			207/12	21			960			
	960			207/13	21			960			EXH FAN
	960			207/14	21			960			
SPACE				207/15	21						HIGH RECEPTACLES
	960			207/16	21			900			
				207/17	21			900			
				207/18	21			900			
				207/19	21			900			
				207/20	21			900			
				207/21	21			900			
				207/22	21			900			