LOAD SERVED	WATTS PER PHASE A	B	C	WIRE SIZE	CKT. BKR. KAIC	TRIP	CKT. NO.
LIGHTING				#12	30	20	1
LIGHTING				#12	30	20	3
LIGHTING				#12	30	20	5
LIGHT - NL				#12	30	20	7
EXIT LIGHT				#12	30	20	9
RECEP.				#12	30	20	11
RECEP.				#12	30	20	13
RECEP.				#12	30	20	15
							17
A/C UNIT				#2	30	125	19
							21
							23
							25
							27
							29
							31
				SUB TOTAL B			

PHASE A B C	CKT. NO.	CKT. BKR. KAIC	TRIP	WIRE SIZE	WATTS PER PHASE A	B	C	LOAD SERVED
	2	30	20	#12				LIGHTING
	4	30	20	#12				LIGHT.
	6	30	20	#12				LIGHT.
	8	30	20	#12				LIGHT.
	10	30	20	#12				LIGHT.
	12	30	20	#12				LIGHT.
	14	30	20	#12				DOOR BELL
	16	30						
	18							EXIST. PANEL
	20	30	300	350				
	22							
	24							
	26							
	28							
	30							
	32							
SUB	SUB TOTAL A							
LUG	SUB TOTAL B							
S.N.	GRAND TOTAL							
DEMAND FACTOR								
	AMPS PER PHASE							

RATING 120/240 V 3 φ 4 W

MOUNTING SURFACE GROUND BUS ☒ YES ☐ NO

MAIN CIRCUIT BREAKER ☒ YES ☐ NO RATING 600 A

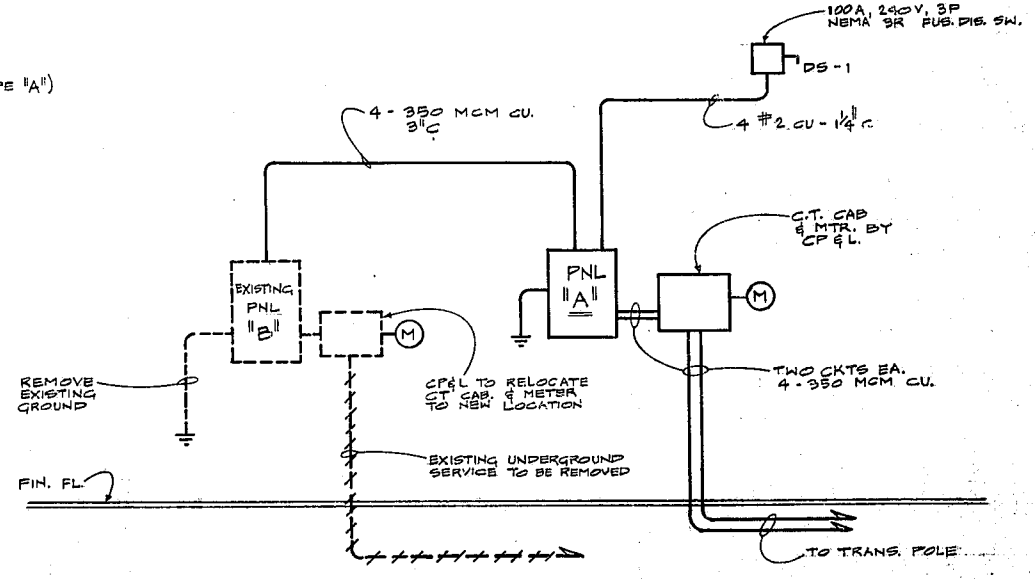
PANEL A

LIGHTING FIXTURE SCHEDULE

A	STRIP LIGHT - FLUORESCENT METALUX 8TSS - 240, 4 - 40W FLUORESCENT
B	2' x 4', LAY-IN-TYPE, FLUORESCENT METALUX 2G - 940A, 4 - 40 W FLUORESCENT LAMPS
E	EXIT LIGHT, DUAL-LITE FLX - 2 - RW
F	SAME AS "A" - LOW AMB. BALLAST
H	STRIP LIGHT, FLUORESCENT, METALUX

LEGEND

- A — FLUORESCENT LIGHT FIXTURE (TYPE "A")
- NL — NIGHT LIGHT
- E — EXIT LIGHT
- J — JUNCTION BOX
- S — SINGLE POLE TOGGLE SWITCH
- THREE WIRE GROUNDING TYPE DUPLEX RECEPTACLE
- WP
- CONDUIT ABOVE CEILING
- TWO WIRES IN A CONDUIT
- HOME RUN TO PANEL
- PANELBOARD
- DISCONNECT SWITCH



ONE LINE ELECTRICAL RISER DIAGRAM

NORTH CAROLINA REGISTERED PROFESSIONAL ENGINEER SEAL 2110 RAMAN D. AMIN 4/25/95

RAMAN D. AMIN & ASSOCIATES
CONSULTING ENGINEERS
SUITE 100, 321 S. ESTES DRIVE
CHAPEL HILL, NORTH CAROLINA

revisions:

date: drawn by: checked by:

ADDITION TO ACE HARDWARE
CARY, NORTH CAROLINA
ELECTRICAL

The use of these plans and specifications shall be restricted to the original site for which they were prepared and publication thereof is expressly limited to such use. Reproduction, or publication by any method, in whole or in part, is prohibited. Title to the plans and specifications and copyrights and common law rights thereto, remain the property of these architects.

job no.

sheet no. E-2