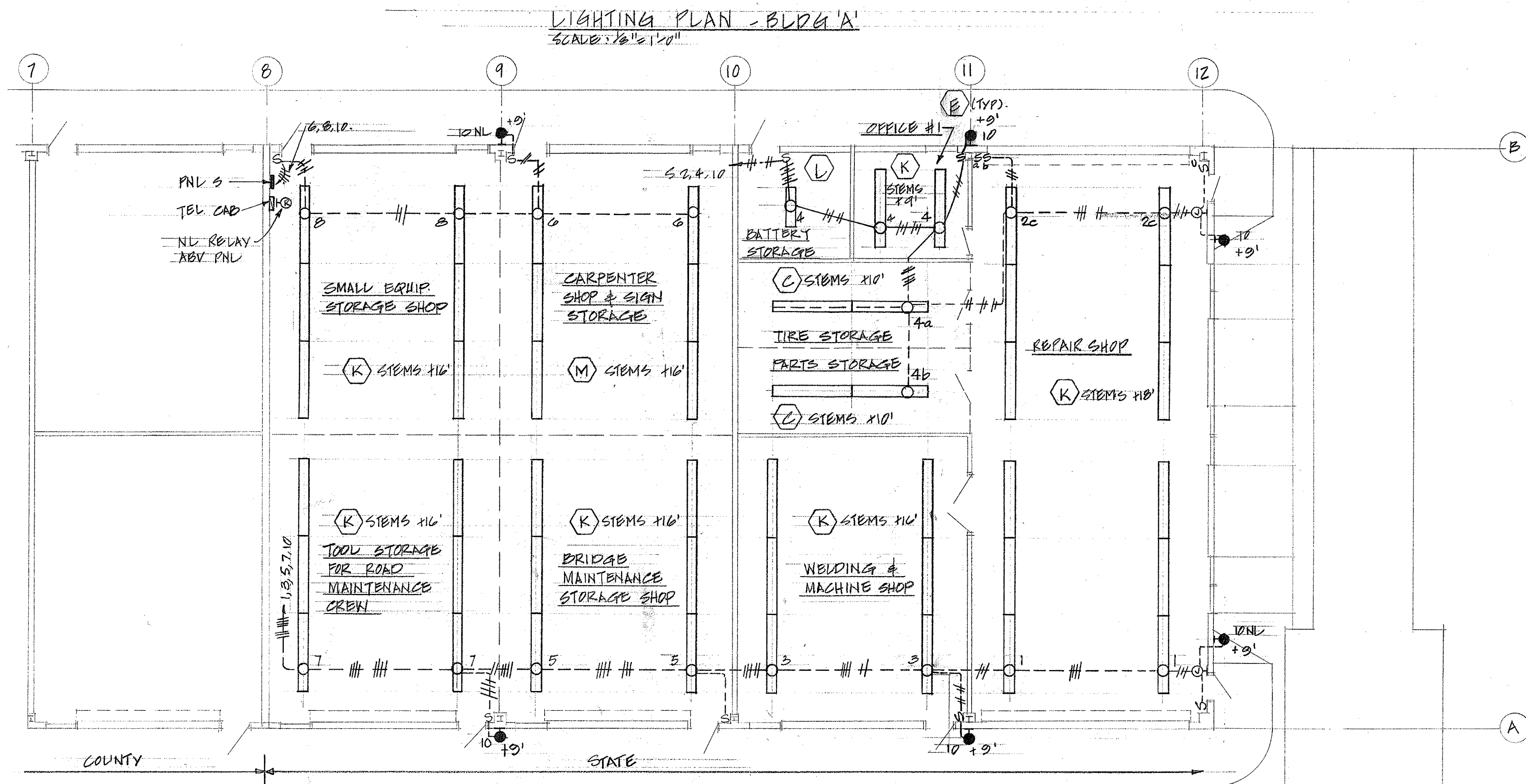


PANEL A - 120/208 VOLTS, 3Ø 4WSN 3P200A MAIN BREAKER (10,000 A.I.C.) 20" WIDE CABINET, INDUSTRIAL-BOLTED			SURFACE NEMA 3R ENCL			
CKT. NO.	BKR.	LOAD	ΦA	KVA ΦB	ΦC	WIRE SIZE
1	IP20A	LT	1.5			10
2			1.5			
3				1.5		
4				1.5		
5					1.5	
6					1.5	
7			1.5			↓
8			1.5			12
9				1.5		10
10				1.5		12
11					1.5	10
12					1.5	12
13			1.5			
14			1.5			
15				1.5		
16		NL		1.0		
17		↓ RECP			1.5	
18					1.0	↓
19			1.0			10
20			1.0			
21				1.0		
22				1.0		
23					1.0	
24					1.0	
25			1.0			
26			1.0			
27				1.0		
28				1.0		
29					1.0	↓
30					1.0	12
31,33	2P20A		1.0	1.0		10
32,34	2P20A	↓	1.0	1.0		10
35,37	2P30A	WATER HEATER	2.2		2.2	10
36,38	2P20A	RECEP	1.0		1.0	10
39,41	2P50A	WELDING OUTLET		1.0	1.0	10
40	IP	SPACE				
42	IP	SPACE				
		TOTALS	18.2	15.5	16.7	



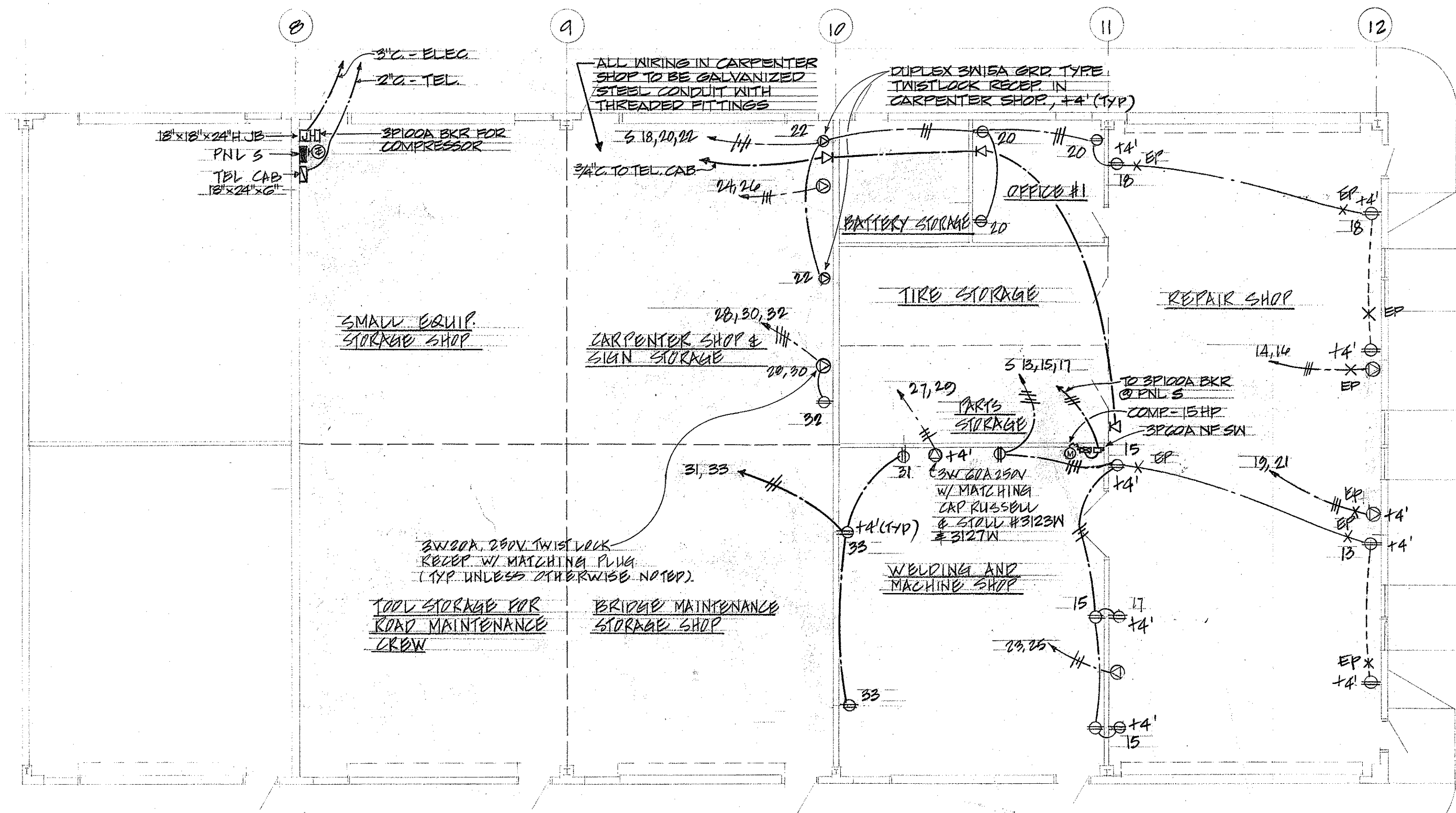
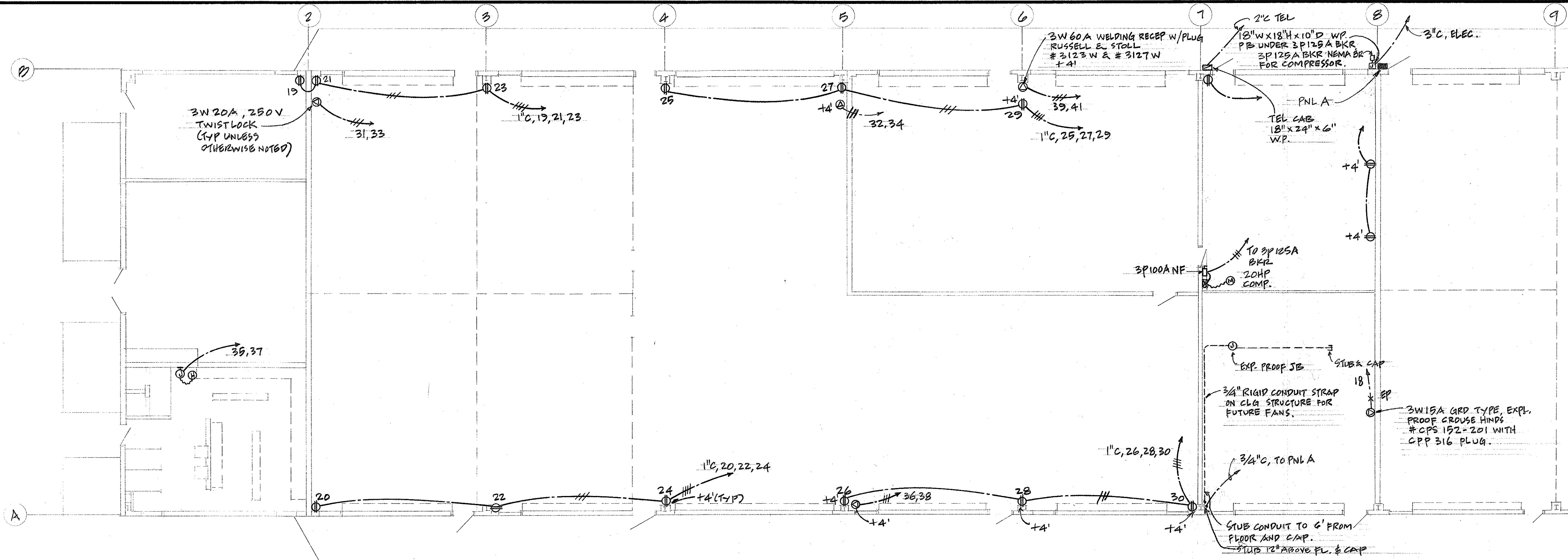
LIGHTING PLAN - BLDG 'A'



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Albert S. C. Chong, PE

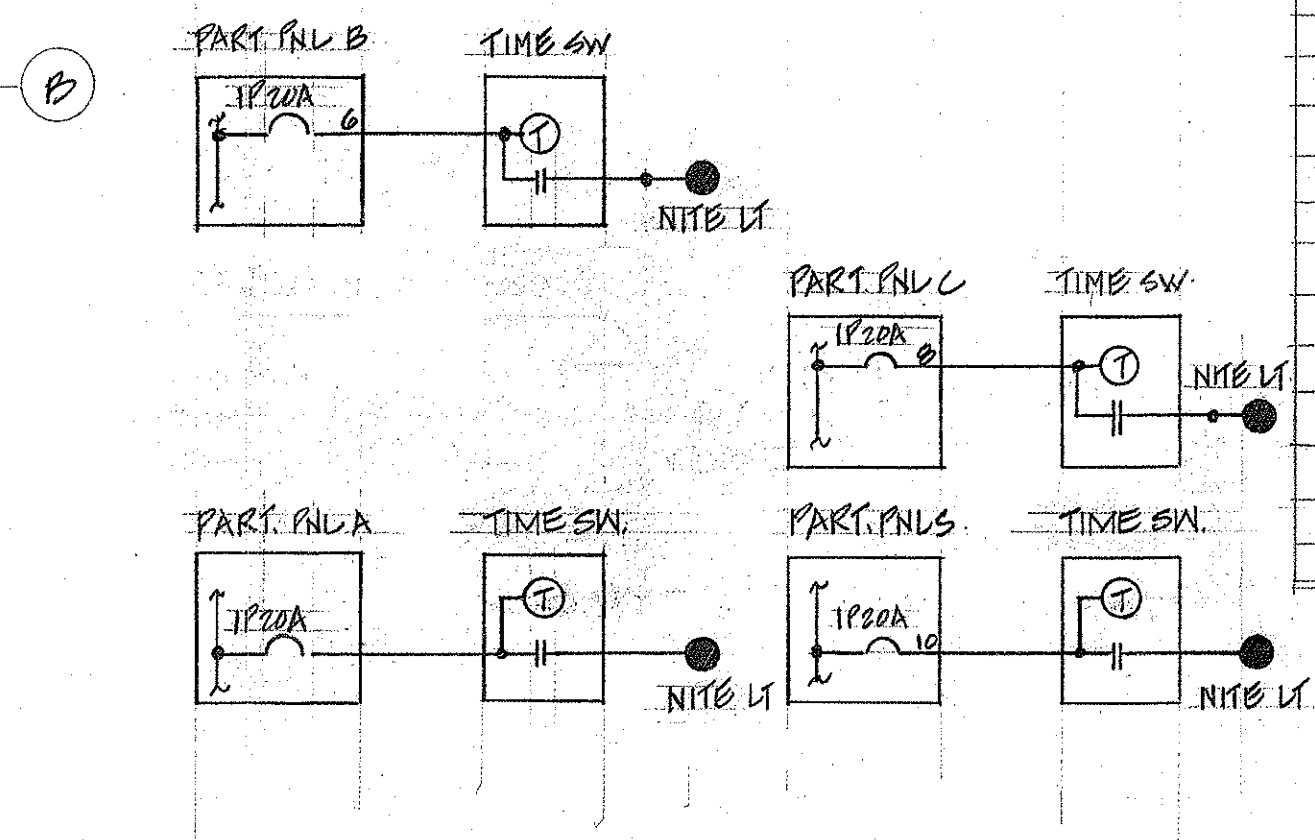
STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION		
KAUAI STATE HIGHWAY - COUNTY BASE YARD KAPAA		KAUAI
LIGHTING PLAN-BUILDING A		E2
SCALE AS NOTED	BD65-363	
DATE JULY 1972		
SHEET No. 38 OF 41 SHEETS		

DATE	
SURVEY PLOTTED BY	
PLAN	
DRAWN BY	
TRACED BY	
QUANTITIES BY	
CHECKED BY	
NOTE BOOK	
No.	

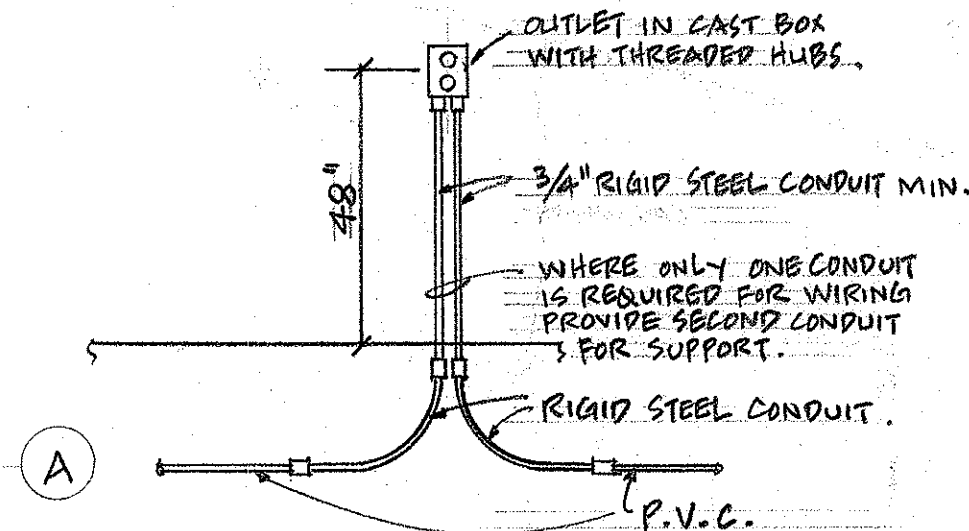


POWER & SIGNAL FLOOR PLAN - BLDG A' (STATE)
SCALE: 1/8" = 1'-0"

NOTE: ALL WIRING FOR OUTLETS TO BE RIGID STEEL CONDUIT ABOVE GRADE. ELBOWS UNDER FLOOR TO BE GALV. STEEL CONDUIT. SEE DET. E3



NITE NIGHT CONTROL DIAGRAM



TYP. OUTLET DET. E3
N.T.S.

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Albert S. C. Chong, P.E.

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.				

PANEL S 120/208 VOLTS 3Ø 4 WSN
3P125A MAIN BKR (10,000A.I.C.) SURFACE
20" WIDE CABINET, INDUSTRIAL-BOLTED

CKT NO.	BKR	LOAD	ØA	ØB	ØC	WIRE SIZE
1	IP20A	LT	1.5			10
2			1.5			12
3				1.5		10
4				1.0		12
5					1.5	10
6					1.5	12
7			1.5			10
8			1.5			12
9		SPARE				
10		LT NL		0.6		12
11		SPARE				
12						
13		RECEP	1.0			12
14,16	2P20A		1.0	1.0		
15	IP20A			1.0		
17	IP20A				1.0	
18	IP20A				1.0	
19,21	2P20A		1.0	1.0		
20	IP20A		1.0			
22	IP20A				1.0	
23,25	2P20A		1.0	1.0		
24,26	2P20A		1.0	1.0		
27,29	2P50A	WELDING OUTLET		4.0	4.0	3 NO.6
28,30	2P20A	RECEP		1.0	1.0	12
31	IP20A	RECEP	1.0			12
32	IP20A		1.0			12
33	IP20A			1.0		12
34		SPARE				
35						
36						
37	IP	SPACE				
38						
39						
40						
41						
42						
TOTALS			14.0	12.1	12.0	

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

KAUAI STATE HIGHWAY - COUNTY BASE YARD
KAPAA KAUAI

POWER AND SIGNAL PLAN - BUILDING A
PANEL SCHEDULE

SCALE AS NOTED
DATE JULY 1972

BD65-363

E3

SHEET No. 39 OF 41 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.				

PANEL B 120/208 VOLTS 3Φ 4 WSN
3P70A MAIN BKR (10,000 A.I.C.) SURFACE
20" WIDE CABINET, INDUSTRIAL-BOLTED

PANEL C 120/208 VOLTS 3Φ 4 WSN
3P100A MAIN BKR (10,000 A.I.C.) SURFACE
20" WIDE CABINET, INDUSTRIAL-BOLTED

CKT NO.	BKR	LOAD	ΦA	ΦB	ΦC	WIRE SIZE
1	IP20A	LT	1.2			12
2			1.2			
3				0.9		
4				1.6		
5					1.6	
6					0.8	
7		RECEP	1.0			
8		SPARE				
9		RECEP	1.0			12
10			1.0			
11				1.0		
12		RECEP		1.0		12
13		SPARE				
14, 16	2P30A	WATER HEATER	2.0	2.0		10
15	IP20A	GAS PUMP		0.5		10
17	IP20A	DIESEL PUMP			0.5	10
18	IP20A	SPARE				
19	IP	SPACE				
20						
21						
22						
23						
24						
TOTALS			5.4	7.0	4.9	

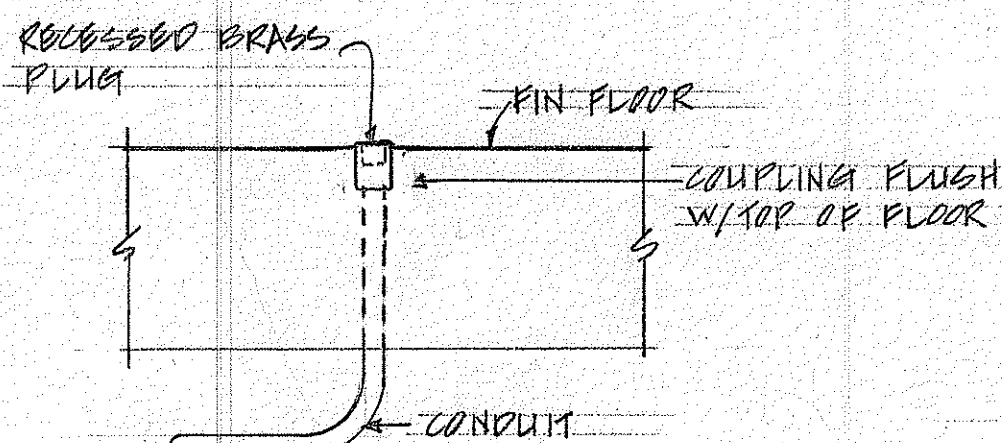
CKT NO.	BKR	LOAD	ΦA	ΦB	ΦC	WIRE SIZE
1	IP20A	LT	1.2			12
2			1.2			
3				1.2		
4				1.2		
5					0.6	
6					1.2	
7			1.0			
8		NL	0.8			
9		LT	1.0			12
10		SPARE				
11		LT			1.0	12
12		CHLORINATOR PUMP			0.4	12
13		RECEP	1.0			12
14			1.0			
15				1.0		
16				1.0		
17					1.0	
18					1.0	
19			1.0			
20			1.0			
21		RECEP-FUME HOOD (FUT.)		1.0		
23	IP20A	EXH FAN-FUME HOOD			1.0	12
22, 24	2P30A	WATER HEATER	2.0	2.0		10
25	IP30A	CAVITETTE	1.2			12
26	IP	SPACE				
27						
28						
29						
30						
31						
32						
33						
34						
35						
36						
TOTALS			9.4	8.4	8.2	

ALT. #1 - LIGHTING PLAN - BLDG. B (COUNTY)
SCALE: 1/8"=1'-0"

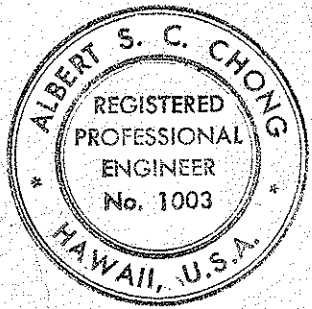
ALT. #4 - LIGHTING PLAN - BLDG. C (STATE)
SCALE: 1/8"=1'-0"

ALT. #1 - POWER & SIGNAL PLAN - BLDG. B (COUNTY)
SCALE: 1/8"=1'-0"

ALT. #4 - POWER & SIGNAL PLAN - BLDG. C (STATE)
SCALE: 1/8"=1'-0"



Δ ADDED WIRING FOR CAVITETTE AND 1/2" 1/2" CHLORINATOR PUMP

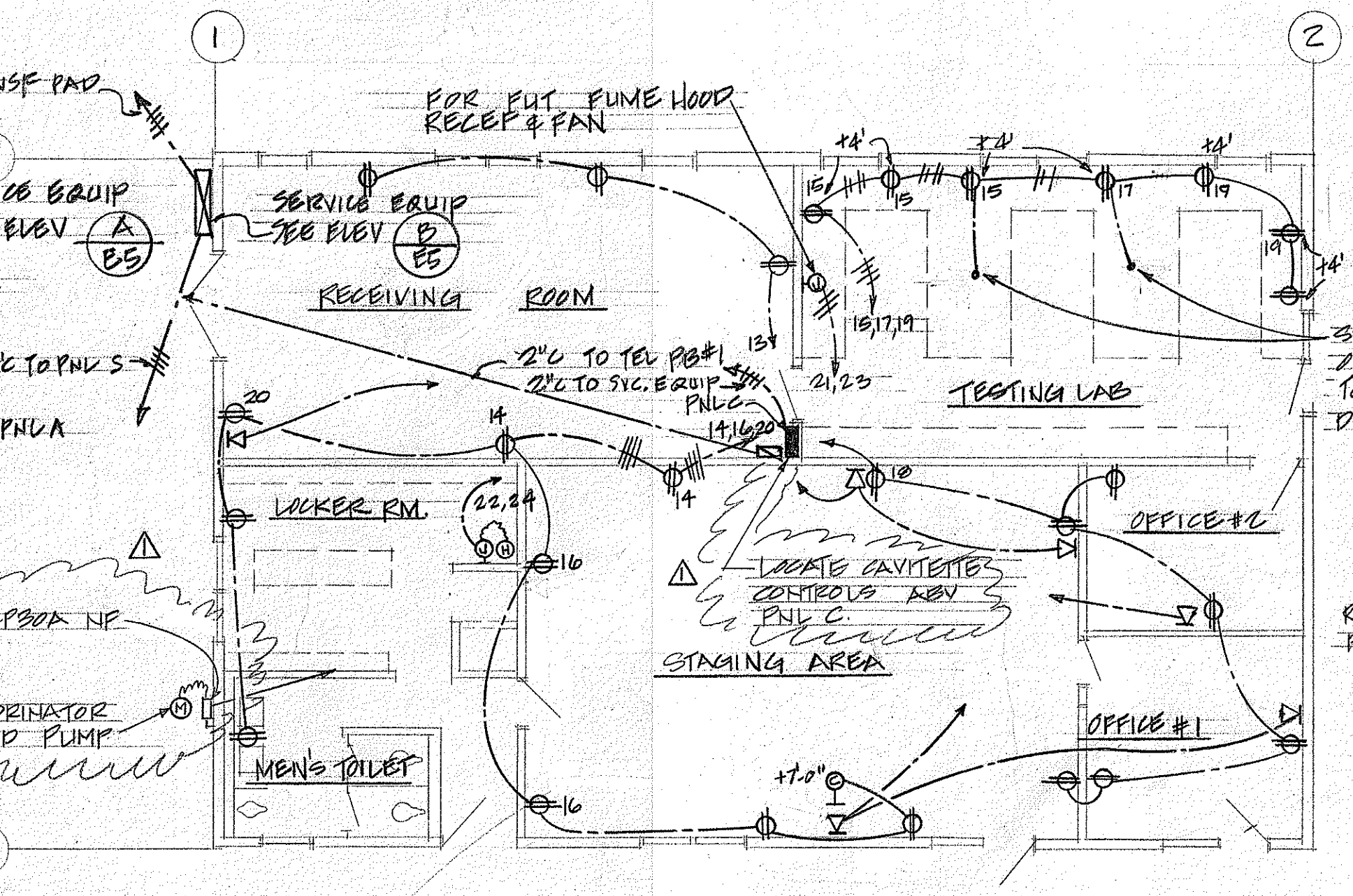
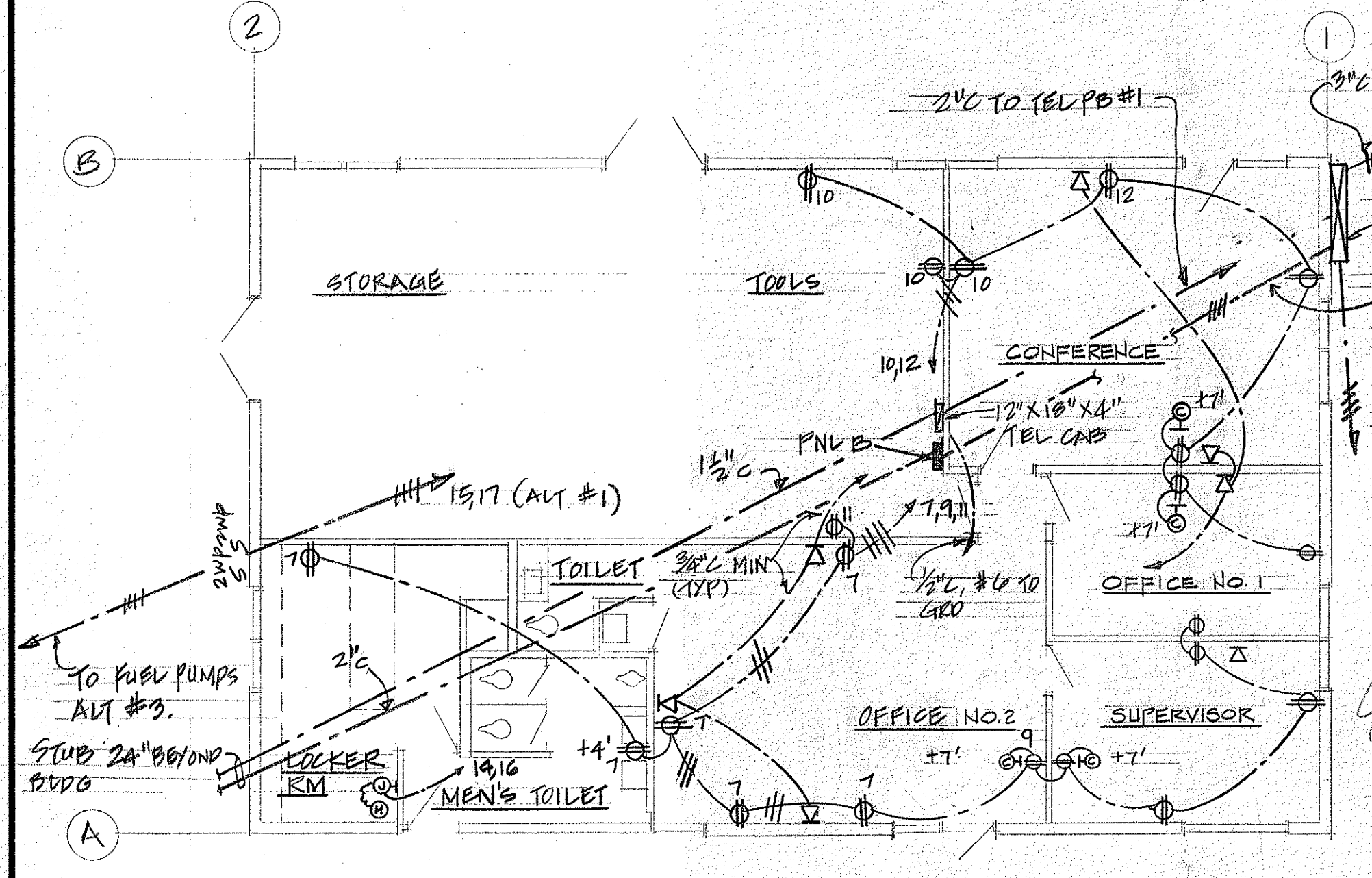
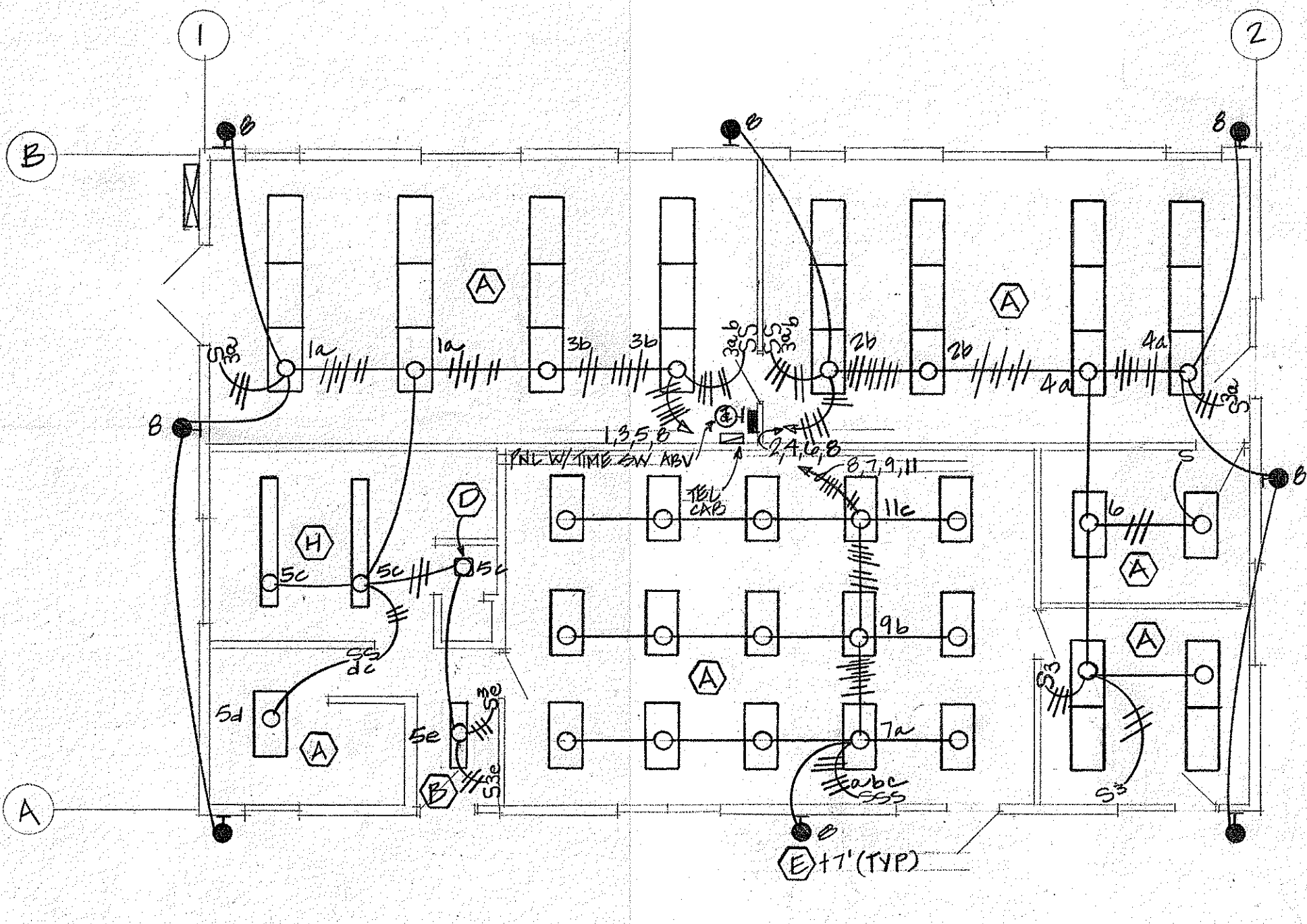
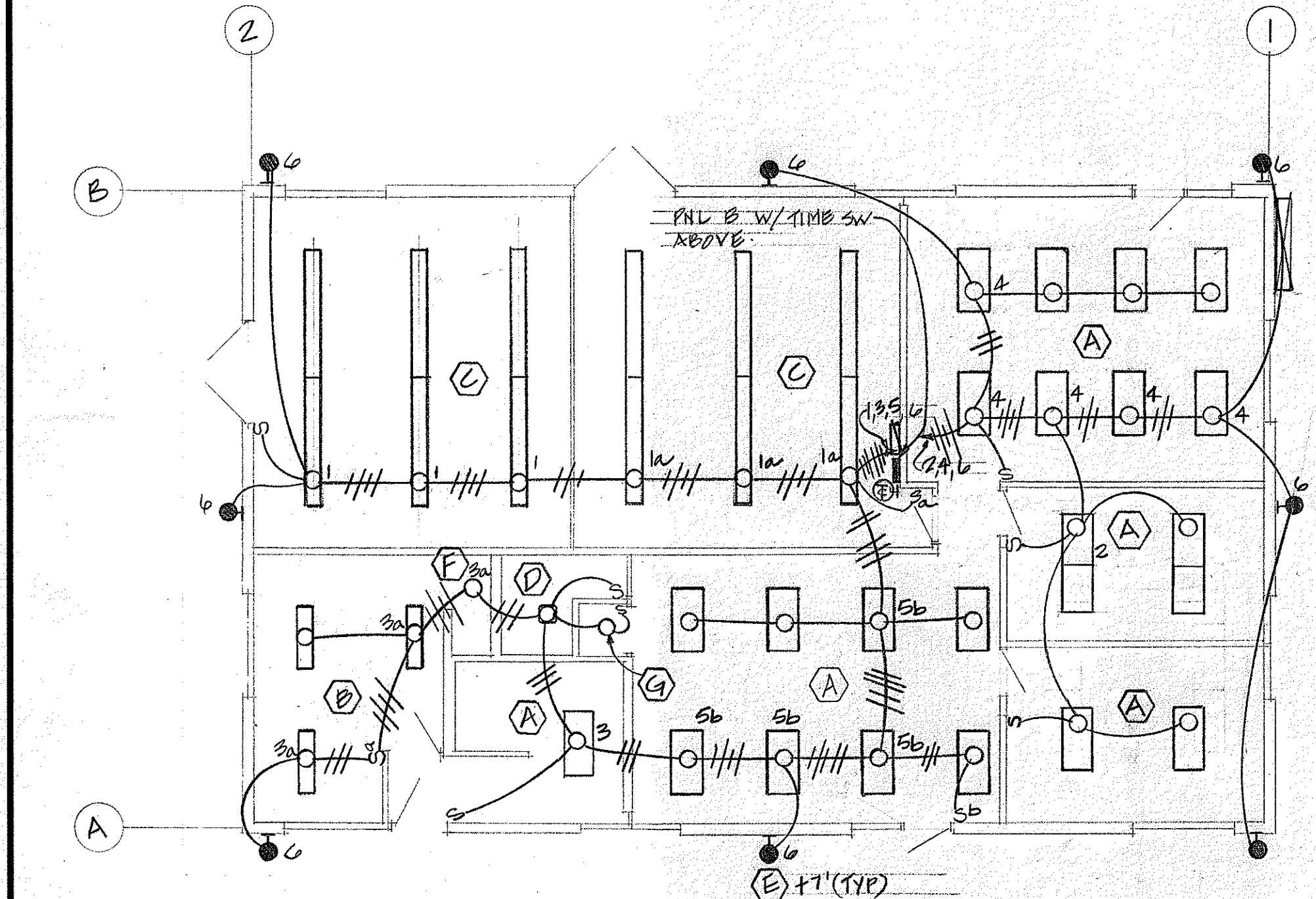


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Albert S. C. Chong

STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION	
KAUAI STATE HIGHWAY - COUNTY BASE YARD KAPAA	KAUAI
ELECTRICAL PLANS AND PANEL SCHEDULES BUILDING B AND C	
SCALE: AS NOTED	BD65-363
DATE: JULY, 1972	
SHEET No. 40 OF 41 SHEETS	

E4

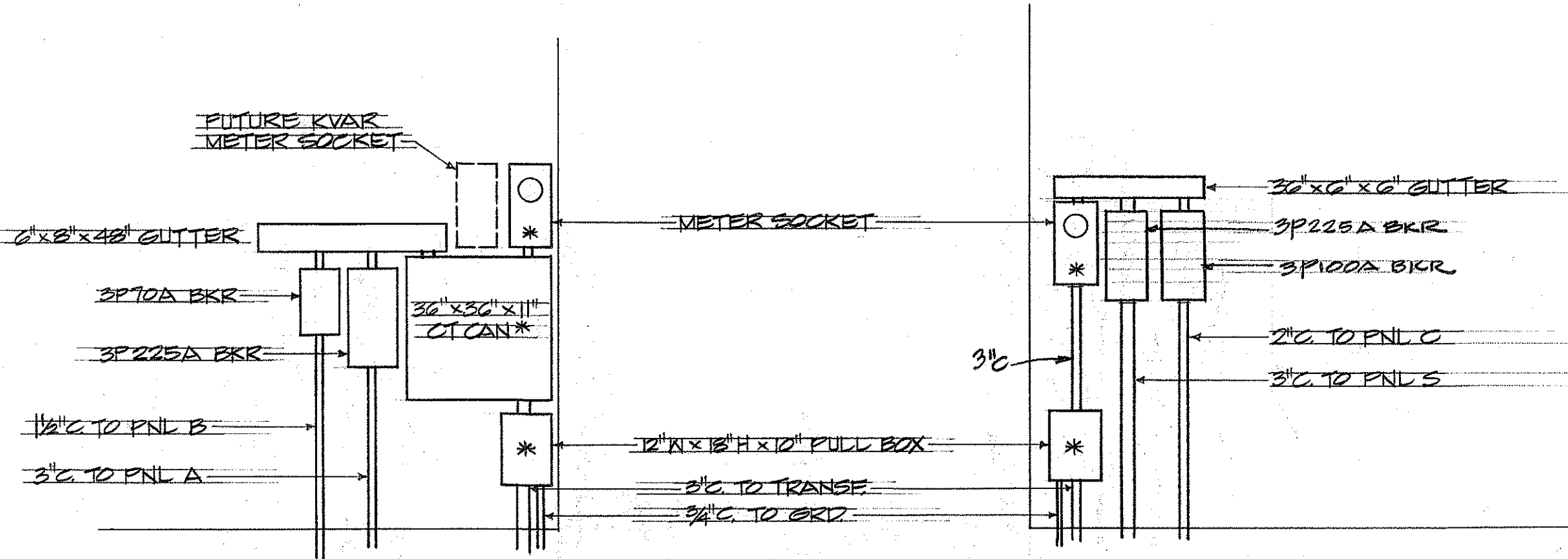
DATE: _____
DESIGNED BY: _____
CHECKED BY: _____
ORIGINAL PLAN: _____
NOTE BOOK: _____
X



FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.				

LUMINAIRE SCHEDULE

TYPE	LAMP	DESCRIPTION	MANUFACTURER
A	4-40W	FLUORESCENT, EXTRUDED VIRGIN ACRYLIC PRISMATIC DIFFUSER, SWINGS FROM EITHER SIDE FOR RELAMPING 18"x48"	SILVRAY TIEMPO DAYBRITE MARKSMAN GLOBE Y3850 SERIES SUNBEAM 7450 SERIES
B	2-40W	SIMILAR TO TYPE A EXCEPT 12"x48"	
C	2-40W	FLUORESCENT STRIP LIGHT WITH GALV. WIRE GUARD, 8' LONG.	SMOOT HOLMAN A-14RG-2 WEST INGHOUSE SUNBEAM LITHONIA
D	100W	RECESSED INCANDESCENT VAPORTIGHT, DROP OPAL GLASS GLOBE	DEVINE E502-W11 McPHILBEN MOLDCAST
E	100W 130V	WALL BRACKET INCANDESCENT ANODIZED CAST ALUMINUM BODY, OUTLET BOX, AND WIRE GUARD, OPAL GLASS GLOBE	DEVINE B200VTG McPHILBEN MOLDCAST
F	100W	VAPORPROOF CEILING INCANDESCENT, ANODIZED ALUMINUM BODY, OPAL GLASS GLOBE	MARCO DEVINE McPHILBEN
G	100W	PORCELAIN LAMPHOLDER, KEYLESS, 660W	BRYANT 5228 PAULDING SIERRA, G.E. LEVITON, CIRCLE F
H	2-40W	FLUORESCENT, VEE SHAPED VIRGIN ACRYLIC DIFFUSER	LIGHTOLIER I0163 SUNBEAM LITECRAFT
I	4-40W	SIMILAR TO TYPE B EXCEPT 8' LONG AND 4 LAMPS.	
J	500W	EXPLOSION PROOF INCANDESCENT, CEILING RLM REFLECTOR, CAST WIRE GUARD AND CLEAR GLASS GLOBE	CROUSE HINDSEVCX KILLARK APPLETON
K	2-96HO 800MA	SUSPENDED FLUORESCENT, PORCELAIN ENAMEL REFLECTOR AND BODY, 10% UPWARD COMPONENT W/30"x30" LOUVERS HINGED FOR EASY RELAMPING 8 FT. LONG.	SYLVANIA PV-10 WITH LOUVERS SMOOT HOLMAN SUNBEAM
L	2-40W	SIMILAR TO TYPE C EXCEPT 4' LONG AND 2 LAMPS	
M	2-96HO	SUSPENDED FLUORESCENT, DUST TIGHT, CLEAR PLASTIC LENS	COLUMBIA SSPB-2105-M47 MILLER PARAMOUNT
N	500W.	SIMILAR TO TYPE J EXCEPT SUSPENDED	

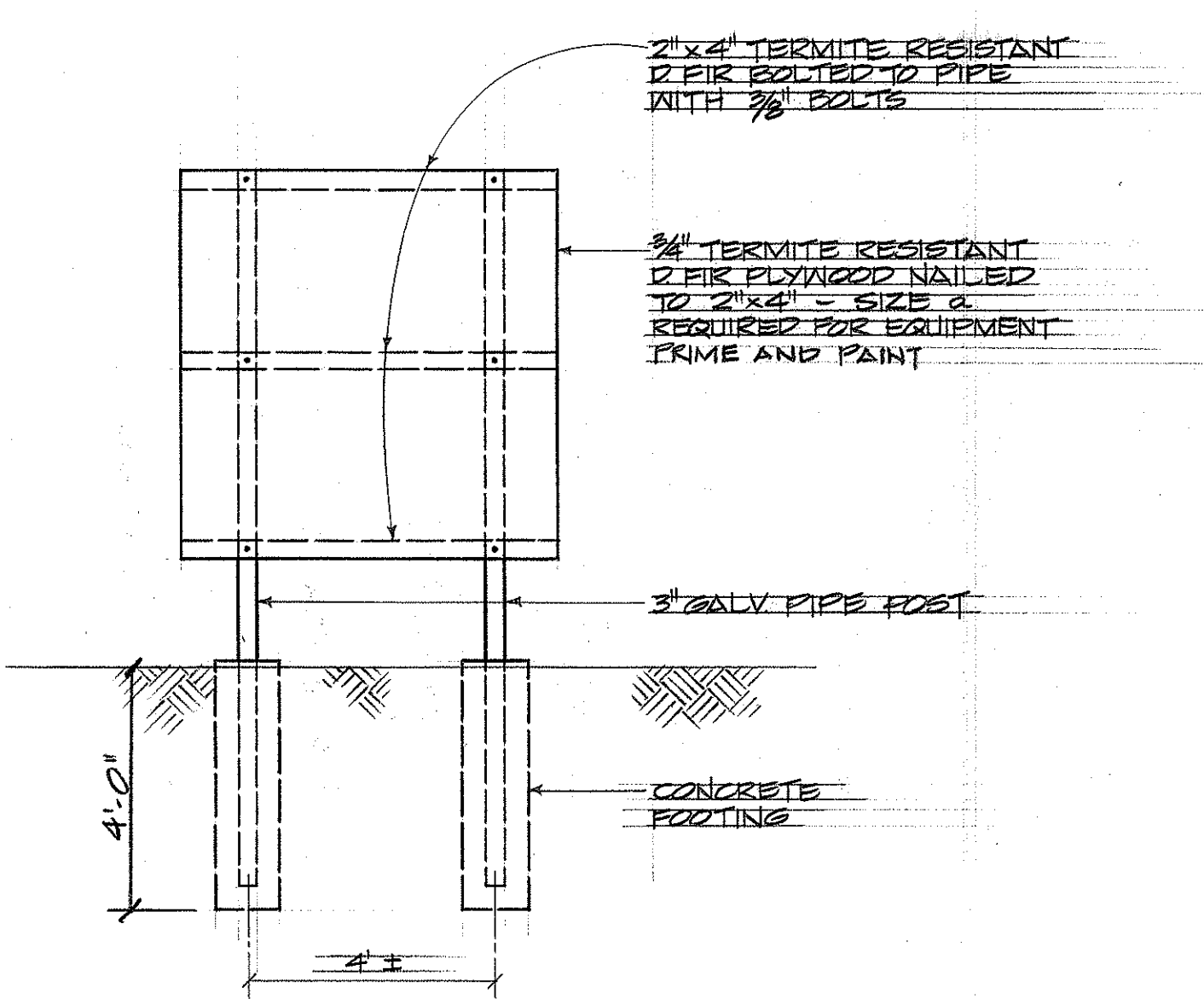


- NOTES:
- * SEALABLE ENCLOSURES
 - ALL EQUIPMENT - WEATHERPROOF
 - UNDER ALT. #1, PROVIDE SUPPORTS FOR SERVICE EQUIPMENT. SEE DET. (E5)

ELEVATION A
SCALE: 3/8" = 1'-0"

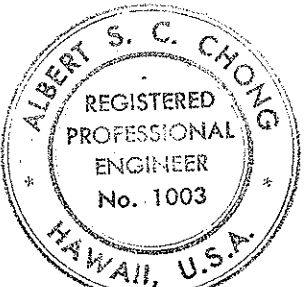
- NOTES:
- * SEALABLE ENCLOSURES
 - ALL EQUIPMENT - WEATHERPROOF
 - UNDER ALT. #4, PROVIDE SUPPORTS FOR SERVICE EQUIPMENT. SEE DET. (E5)

ELEVATION B
SCALE: 3/8" = 1'-0"



ELEVATION C
SCALE: 3/8" = 1'-0"

DATE	_____
DESIGNED BY	_____
CHECKED BY	_____
NOTED BY	_____
NO.	_____



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OR UNDER MY SUPERVISION
Albert S. C. Chong
Albert S. C. Chong, PE

STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION	
KAUAI STATE HIGHWAY - COUNTY BASE YARD KAPAA KAUAI	
LUMINAIRE SCHEDULE	E5
SCALE AS NOTED	8D65-363
DATE JULY 1972	
SHEET No. 41 OF 41 SHEETS	