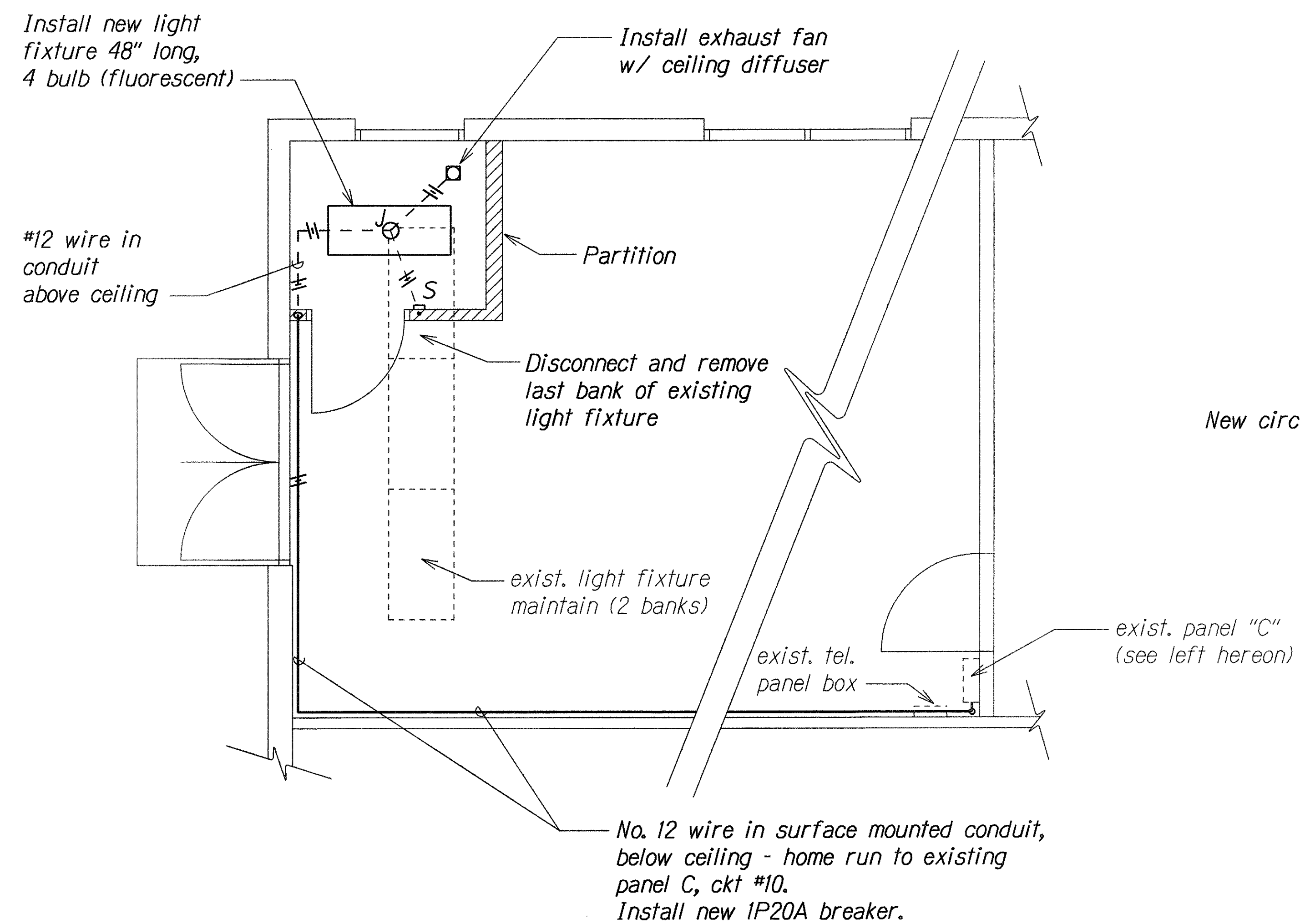




New circuit =>

EXISTING PANEL C 120/208 VOLTS 3Ø 4 WSN						
3P100A MAIN BKR (10,000 A.I.C.) SURFACE						
20" WIDE CABINET, INDUSTRIAL-BOLTED						
CKT NO.	BKR	LOAD	ØA	KVA ØB	ØC	WIRE SIZE
1	1P20A	LT	1.2			12
2	Exist. Breakers		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	1P20A	LT & FAN				12
11		LT			1.0	12
12		CHLORINATOR PUMP			0.4	12
13		RECEP	1.0			12
14	Exist. Breakers		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	1P20A	EXH FAN-FUME HOOD			1.0	12
22,24	2P30A	WATER HEATER		2.0	2.0	10
25	1P30A	CAVITETTE	1.2			12
26	1P	SPACE				
27						
28						
29						
30						
31						
32						
33						
34						
35						
36						
TOTALS			9.4	8.4	8.2	

Bathroom Exhaust Fan Specifications:

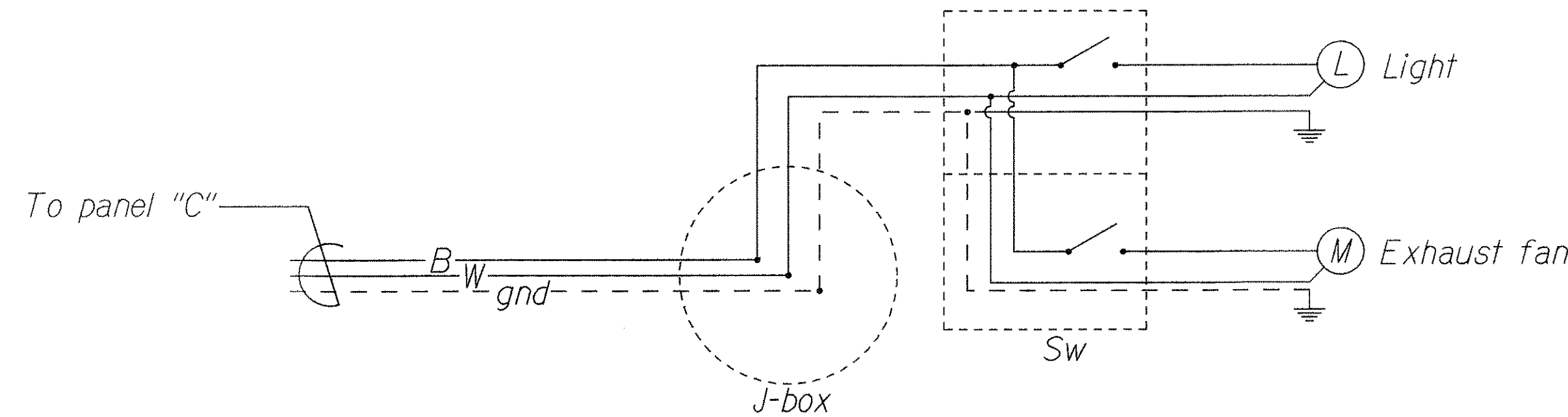
Capacity		Electrical (120v, 60 Hz)			Discharge Dia.
cfm	Sones	Full Load Watts	Amps	RPM	
50	2.5	36	0.58	2662	3"

Exhaust fan shall meet the requirements as noted in the table above.
Fan motor assembly shall be plug-in type with knockouts for wiring.
Fan shall be equipped with snap in mounting brackets for easy installation in the ceiling.
Fan discharge shall be equipped with back draft damper and self-levelling, white, decorator grille (8½"x 8½"). Grill shall be held in place with spring clips.

Exhaust fan and appurtenances shall be Dayton Model 4C817 or equal.

- Note: 1. Contractor shall submit shop drawings and/or catalog cuts for the exhaust fan, including the ductwork system, that will be furnished.
2. Contractor shall submit electrical wiring diagram showing the fan connections to the switches and to the power supply wiring. All circuits shall be grounded.
3. Contractor shall install a 3" dia. vent to discharge air through the existing metal roofing. Vent shall be flashed at the roof opening and shall be equipped with a weather cap.

ELECTRICAL
Scale: 3/8"=1'



ELECTRICAL WIRING DIAGRAM
FOR NEW RESTROOM
Not to Scale

LUMINAIRE SPECIFICATIONS FOR NEW RESTROOM

LAMP	DESCRIPTION	MANUFACTURER
4-40W	FLUORESCENT, EXTRUDED VIRGIN ACRYLIC PRISMATIC DIFFUSER, SWINGS FROM EITHER SIDE FOR RELAMPING 18"x 48"	SILVRAY TIEMPO DAYBRITE MARKSMAN GLOBE Y3850 SERIES SUNBEAM 7450 SERIES

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ELECTRICAL PLAN
NEW RESTROOM

KAPAA BASEYARD RENOVATIONS
Project No. HWY-K-01-94M

Scale: As Shown Date: Sept., 1993

SHEET No. 6 OF 6 SHEETS