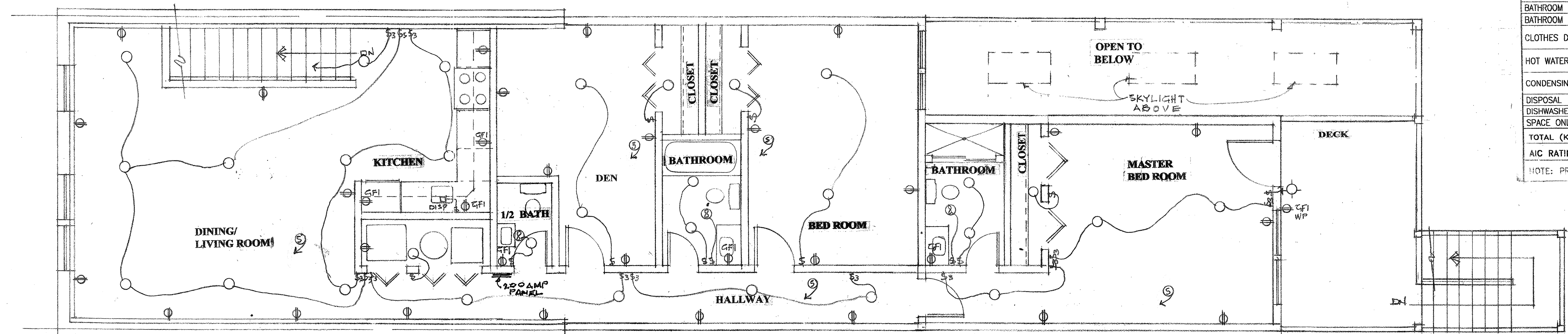
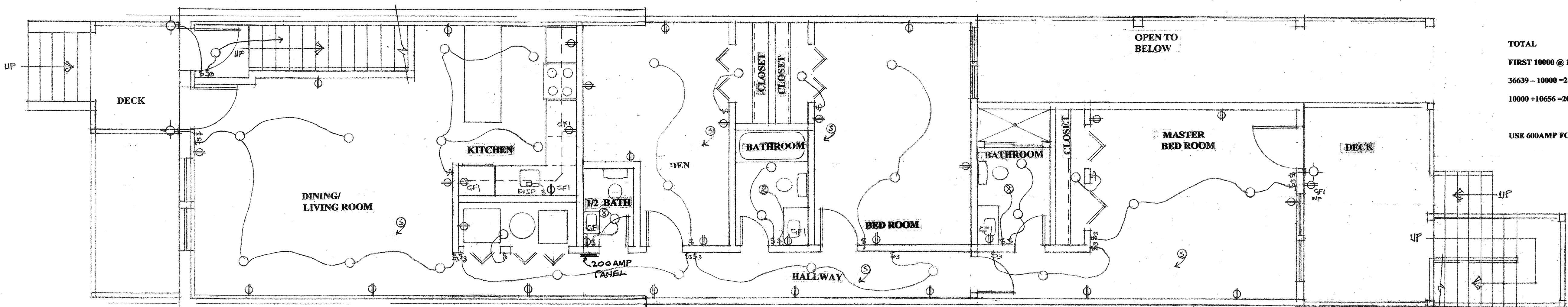


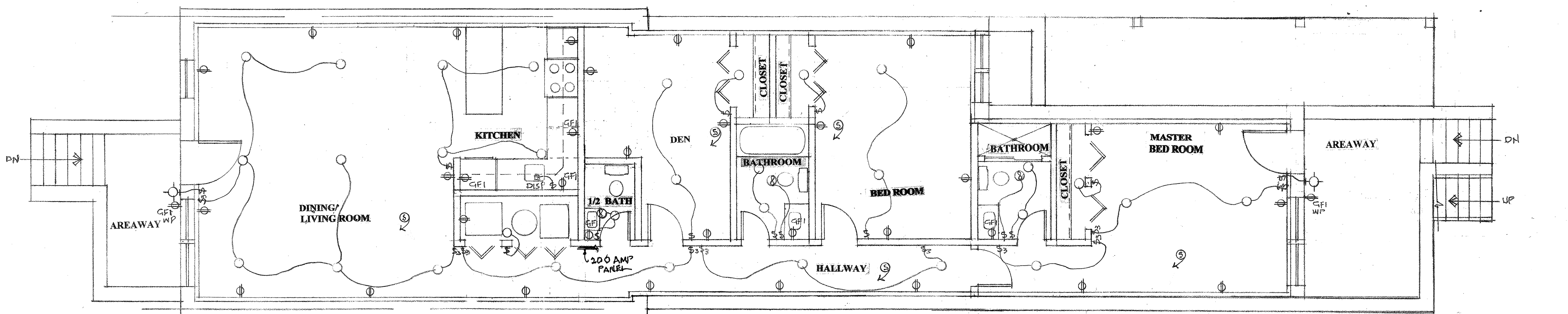
PANEL		SERVICE: 240/120V, 1PH, 3W		ENTER TORB'T AT:			
FEEDER: 3#1+1#6G		MAIN BRK. 200 AMP		BUS: 225A, 1#, 3W			
DESCRIPTION		LOAD KVA		LOCATION:			
#A	#B	#A	#B	#A	#B		
1.2		1.2		2	20	1.5	KITCHEN RECEPTACLES
1.5		1.5		4	20	1.5	KITCHEN RECEPTACLES
2.5		2.5		6	20	1.5	DINING RM. RECEPT.
2.5		2.5		8	20	1.4	CLOTHES WASHER
2.5		2.5		10	20	1.5	LAUNDRY RECEPTACLES
2.5		2.5		12	15	0.9	AHU
2.5		2.5		14	15	1.0	RECEPTACLES
1.1		1.1		16	15	1.3	RECEPTACLES
1.1		1.1		18	15	1.5	RECEPTACLES
1.2		1.2		20	15	1.3	RECEPTACLES
1.4		1.4		22	15	-	SPARE
1		1		24	-	-	SPACE ONLY
TOTAL (KVA) = 32.4		#A = 17.2		#B = 15.2			
AIC RATING 10 KAC		AMPS/PHASE AT 240/120		VOLT (DEMAND)			
NOTE: PROVIDE #14AWG CONDUCTORS FOR 15A. CIRCUITS; #12 AWG FOR 20A. CIRCUITS; #10 AWG FOR 30A. CIRCUITS.							



PROPOSED SECOND FLOOR PLAN
SCALE: 1/8" = 1'-0"



PROPOSED FIRST FLOOR PLAN
SCALE: 1/8" = 1'-0"



PROPOSED BASEMENT FLOOR PLAN
SCALE: 1/8" = 1'-0"

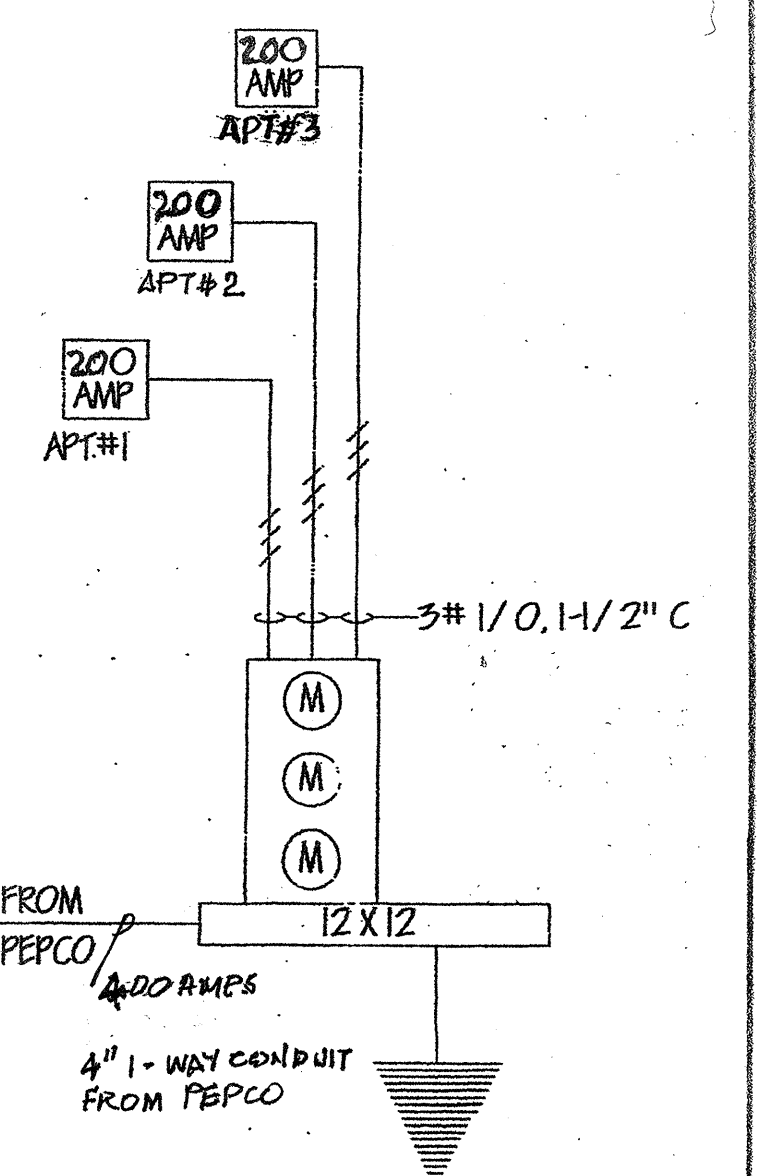
LOAD CALCULATIONS (TYPICAL OF EACH UNIT)

GENERAL LIGHTING (1933 X 3)	5799 VA
SMALL APPL. (BRANCH CIR. & LAUND. CIR.)	4500 VA
OTHER APPL. WATER HEATER	
DRYER	
RANGE	
DISH WASHER	
DISPOSAR	
MACROWAIVE	
GAS FURN.	
TOTAL	26340 VA
	36639 VA
FIRST 10000 @ 100 %	10000 VA
36639 - 10000 = 26639 X 0.4	10656 VA
10000 + 10656 = 20656 / 240	86 AMP

USE 200 AMP
USE 600AMP FOR FEEDER

FOR 3 UNITS = 86 X 3
= 258
MULT. UNIT FACTOR = 0.45 X 258
= 116 AMP.
FOR FUTURE DEMAND = 116 X 1.25
= 145 AMP.
USE 400 AMPS

- ELECTRICAL LEGEND**
- ELECTRICAL PANEL
 - \$ SINGLE POLE SWITCH
 - \$DM DIMMER SWITCH
 - \$3 THREE-WAY SWITCH
 - LIGHT ABOVE VANITY/PORCH LIGHT/SCUNC
 - WALL/CEILING MOUNTED OR RECESSED INCANDESCENT LIGHT FIXTURE
 - PULL CHAIN LIGHT
 - POWER FIXTURE IN CEILING
 - GFI
 - GROUND FAULT OUTLET
 - CEILING FAN
 - DUPLEX OUTLET
 - DEDICATED OUTLET
 - QUAD OUTLET
 - JUNCTION BOX
 - HARD WIRED SMOKE DETECTOR AND INTERCONNECTED
 - BRANCH CIRCUIT WIRING CONCEALED IN WALLS AND/OR CEILING
 - EMERGENCY LIGHTING/EXIT



POWER RISER DIAGRAM
N.T.S.

NOTE: PROVIDE AFCI PROTECTION IN ALL BEDROOM OUTLETS AND RECEPTACLES AS PER NEC 2011 EDITION ART. 210.12 B AND IRC 2012 E3802.12.

DISTRICT OF COLUMBIA
GEORGE L. WOODS JR.
PEPPER
[Signature]