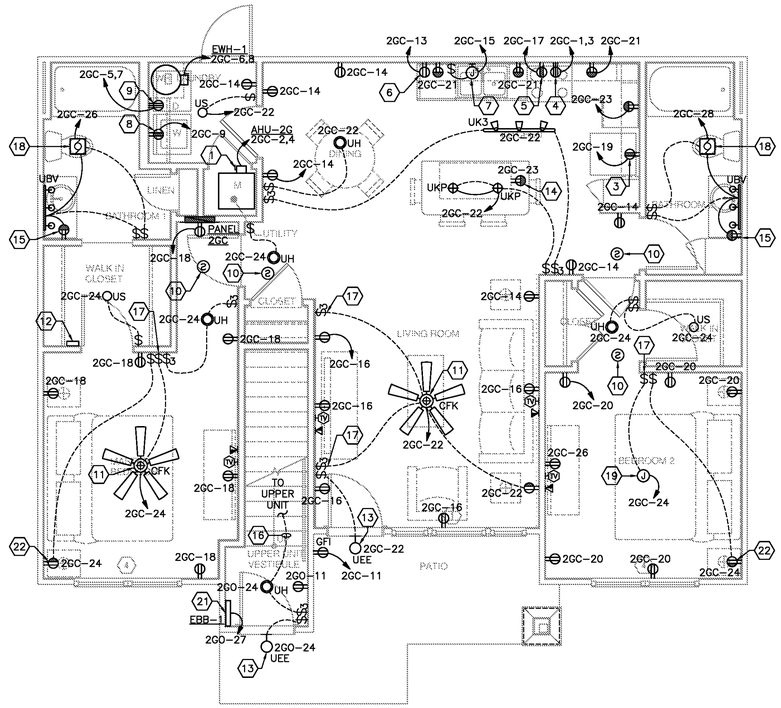
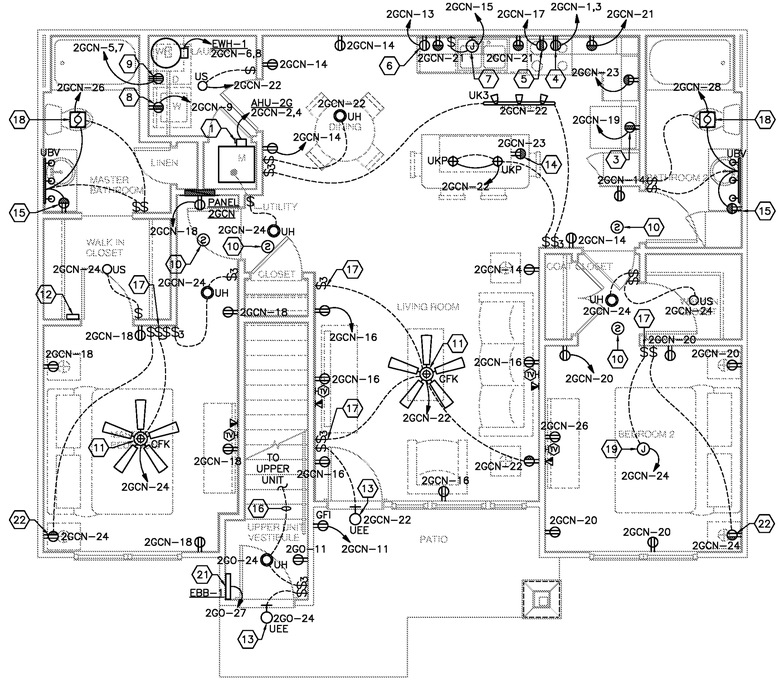
DWELLING LOAD CALCULATION

Unit 2GC		SQ FT =	1088
GENERAL LOAD			
GENERAL LIGHTING AND RECEPTACLE	3 VA PER SQ FT		3264 VA
SMALL APPLIANCE / LAUNDRY	3 1500VA EACH		4500 VA
DRYER			5600 VA
WATER HEATER			4500 VA
ELECTRIC RANGE			9600
	SUBTOTAL		27464 VA
			VA
	FIRST 3KVA @ 100%		3000 VA
	REMAINDER @ 40%		9786 VA
	SUBTOTAL		12786 VA
	HVAC @100%		6500 VA
	TOTAL		19286 VA
	TOTAL/240V =		80 AMPS



1 UNIT - 2GC
E4.2GC 1/4" = 1'-0"



2 UNIT - 2GCN (NO GARAGE)
E4.2GC 1/4" = 1'-0"

GENERAL NOTES

ELECTRICAL OUTLETS OR BOXES LOCATED ON OPPOSITE SIDES OF RATED WALLS OR PARTITIONS SHALL MEET ONE OF THE FOLLWING CRITERIA:

1. BOXES SHALL BE SEPARATED BY A HORIZONTAL DISTANCE OF NOT LESS THAN 24".
2. BOXES SHALL BE SURROUNDED ON 5 SIDES WITH FIRE RATED GYPSUM BOARD TO MAINTAIN THE FIRE RATING OF THE WALL.
3. BACK OF BOXES SHALL BE WRAPPED IN FIRE RESISTANT PUTTY SIMILAR TO SPEC–SEAL FIRE RATED PUTTY PADS.
4. PROVIDE 2 HOUR RATED BACK BOXES AND OFFSET BY THE WIDTH OF THE BOX.

KEYED NOTES

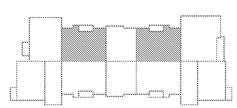
1. AIR HANDLING UNIT CONNECTION.
2. WATER HEATER CONNECTION LOCATED ABOVE DRYER.
3. REFRIGERATOR CONNECTION MOUNT @ 60" AFF.
4. RANGE CONNECTION.
5. MICROWAVE/HOOD CONNECTION. MOUNT @ 76" AFF.
6. DISHWASHER CONNECTION.
7. GARBAGE DISPOSAL CONNECTION
8. WASHER CONNECTION. MOUNT @ 48" AFF.
9. DRYER CONNECTION. MOUNT @ 48" AFF. PROVIDE 4 WIRE RECEPTACLE.
10. CONNECT SMOKE DETECTOR AND COMBINATION CARBON MONOXIDE SENSOR/SMOKE DETECTOR AHEAD OF ALL SWITCHING AND GFI DEVICES. MAINTAIN 36" CLEARANCE FROM HVAC SUPPLY GRILLES. TIE ALL DETECTORS TOGETHER SO THAT AN ALARM IN ANY DETECTOR WILL CAUSE ALL DETECTORS IN THAT UNIT TO SOUND. PROVIDE ADDRESSABLE SMOKE DETECTOR WITH SOUNDER BASE TO PROVIDE NFPA 72 SOUND PRESSURE LEVEL.
11. ELECTRICAL CONTRACTOR TO PROVIDE AND INSTALL CEILING FAN. SEE LIGHT FIXTURE SCHEDULE.
12. CABINET FOR COLLECTION OF TELEPHONE, DATA AND TELEVISION WIRING FROM OUTLETS WITHIN THE UNIT. MOUNT AT 8'–0" A.F.F.
13. CONNECT VIA SWITCH TO APPROPIATE UNIT.
14. MOUNT BROWN RECEPTACLE WITH BROWN PLATE 8" BELOW TOP OF COUNTER TO BOTTOM.
15. GFI MOUNTED 8" ABOVE COUNTER IN BATHROOM.
16. CONNECT ALL DEVICES IN THIS FOYER TO ASSOCIATED 2ND FLOOR UNIT.
17. PROVIDE SWITCH FOR CEILING FAN CONTROL. PROVIDE FOR 3–WAY OR 4–WAY CONTROL OF LIGHT WHERE APPLICABLE.
18. EXHAUST FAN IN BATHROOM. CONNECT TO LIGHTING CIRCUIT.
19. PROVIDE FAN RATED BOX WITH BLANK COVER FOR FUTURE FAN OR LIGHTING FIXTURE. PROVIDE CEILING FAN TYPE "CF" IN CONCIERGE UNITS OR AS NOTED ON ARCHITECTURAL DRAWINGS.
21. PROVIDE POWER CONNECTION TO ELECTRIC BASEBOARD HEATER INSTALLED IN VESTIBULE BY DIV 15. POWER FROM RESPECTIVE TENANT PANEL.
22. CONNECT THE BOTTOM HALF OF OUTLET TO SWITCH.

ALL ELECTRICAL DESIGN AND INSTALLATION SHALL COMPLY WITH 2011 NEC.

ALL GENERAL RECEPTACLES REQUIRED BY NEC 210.52 SHALL BE TAMPER–RESISTANT.

UPGRADED LIGHT FIXTURES "UCK" AND "UCP" TO BE INSTALLED IN ALL CONCIERGE UNITS OR AS NOTED ON ARCHITECTURAL DRAWINGS.

G24 FIRST FLOOR



B20 FIRST FLOOR

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SEAL

ISSUE & REVISION RECORD

#	DATE	DESCRIPTION
	07/07/14	BID SET

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PROJECT

SPRINGS AT FREMAUX TOWN CENTER

SLIDELL, LA

CLIENT

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ISSUE DATE 07/07/14

DRAWN BY/CHECKED BY KMK/JDP

DRAWING TITLE

UNIT 2GC: POWER AND LIGHTING PLANS

SHEET NUMBER

E4.2GC