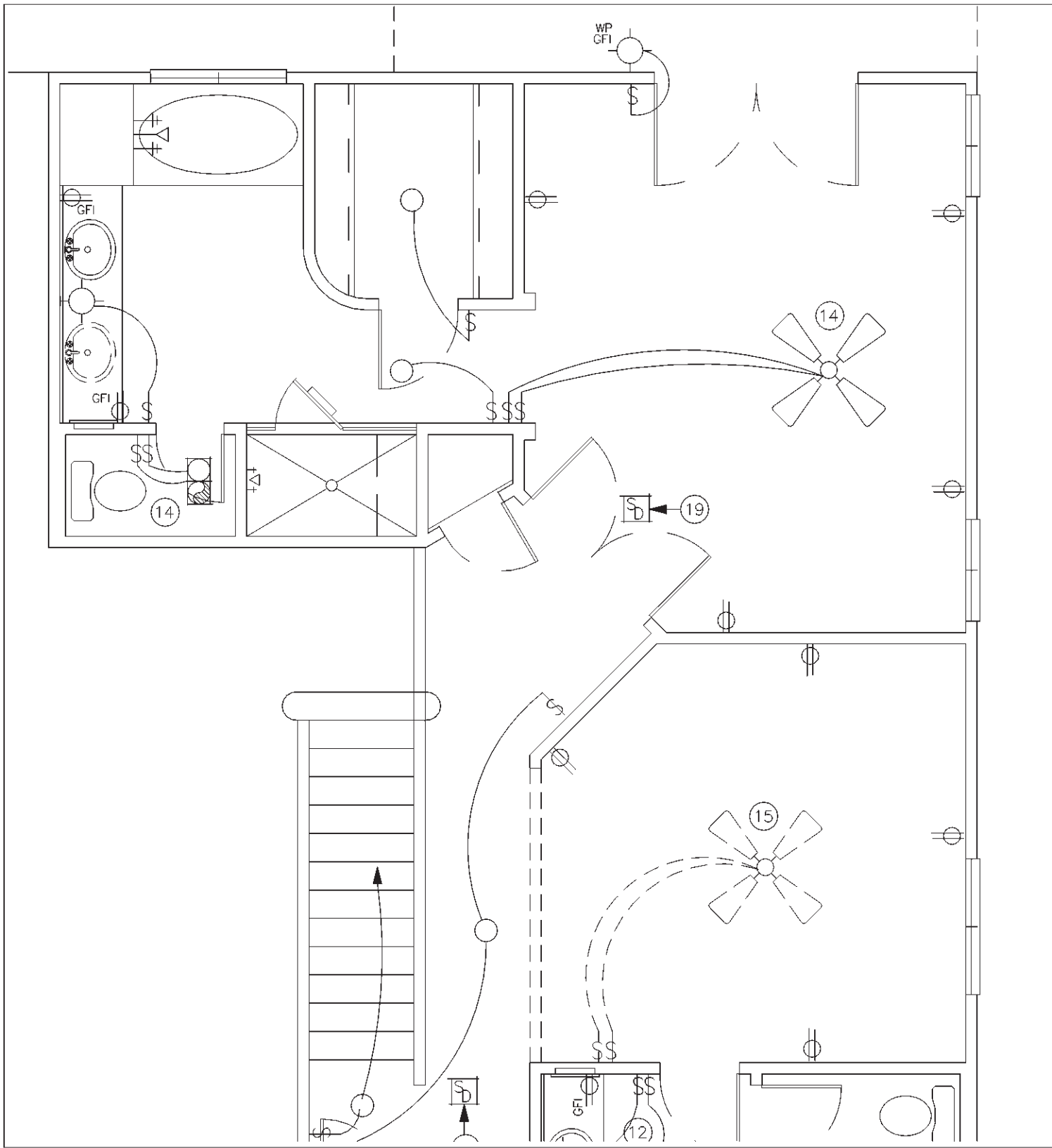
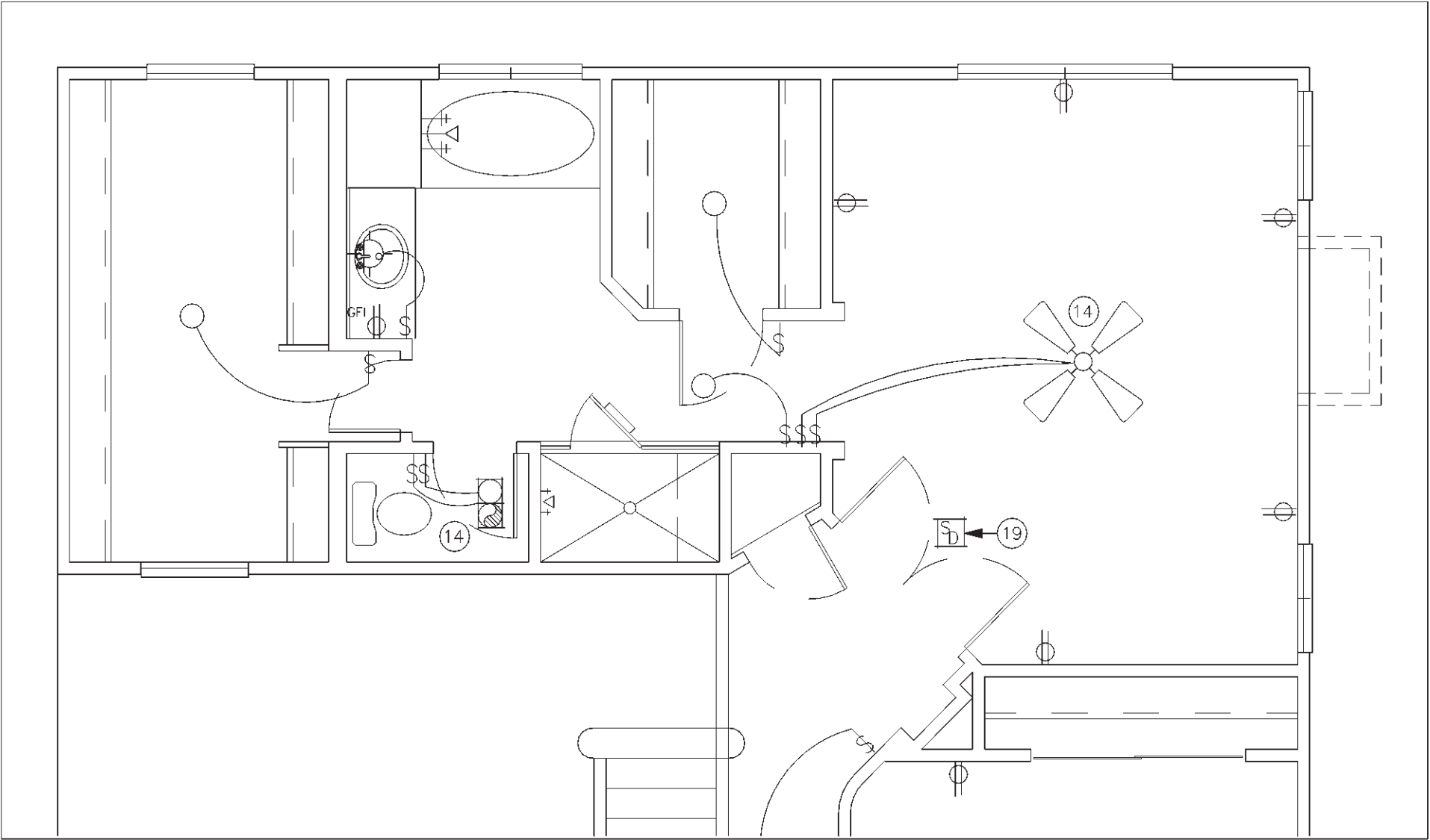


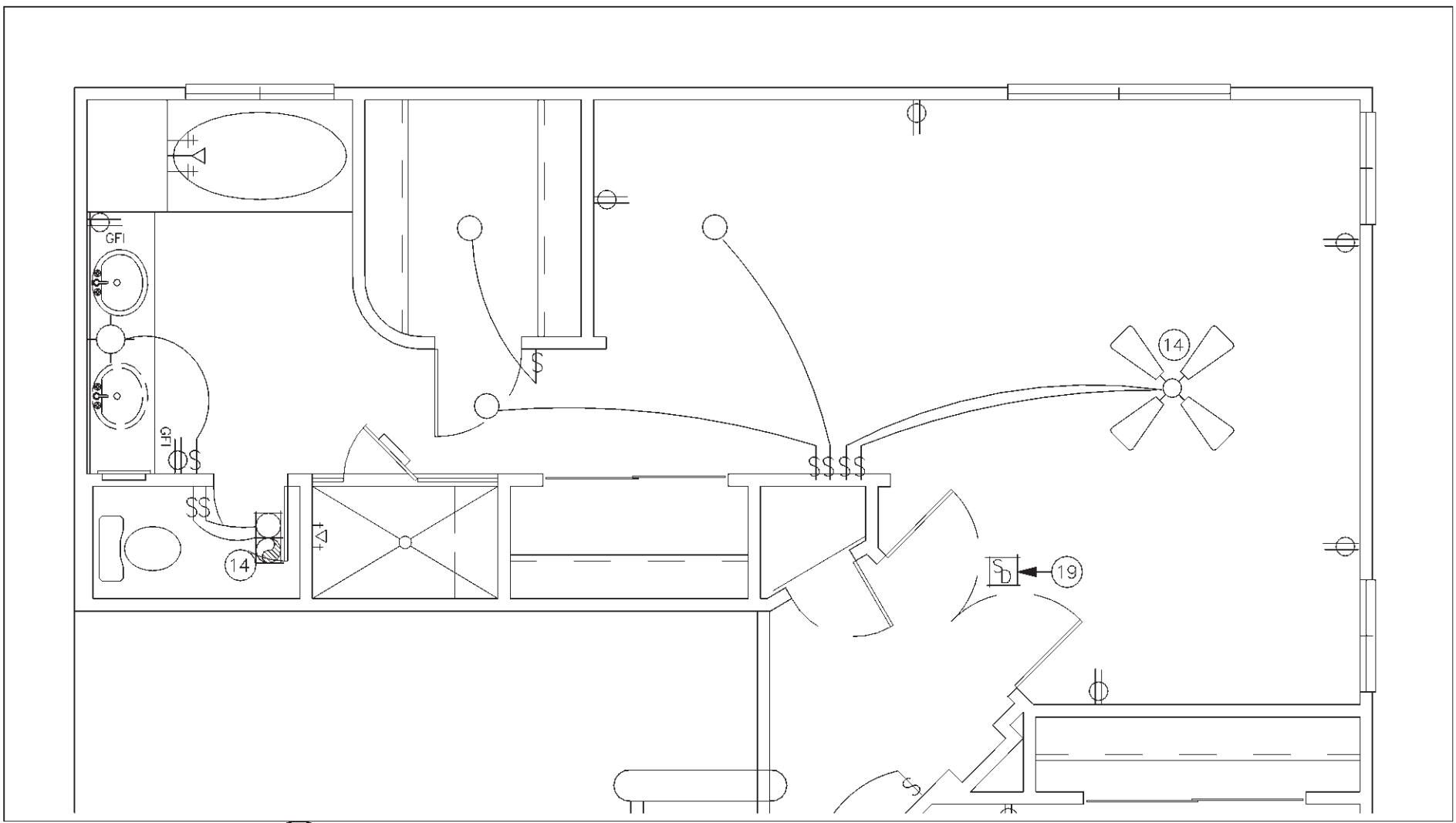
SECOND FLOOR ELECTRICAL PLAN  
SCALE: 1/4" = 1'-0"



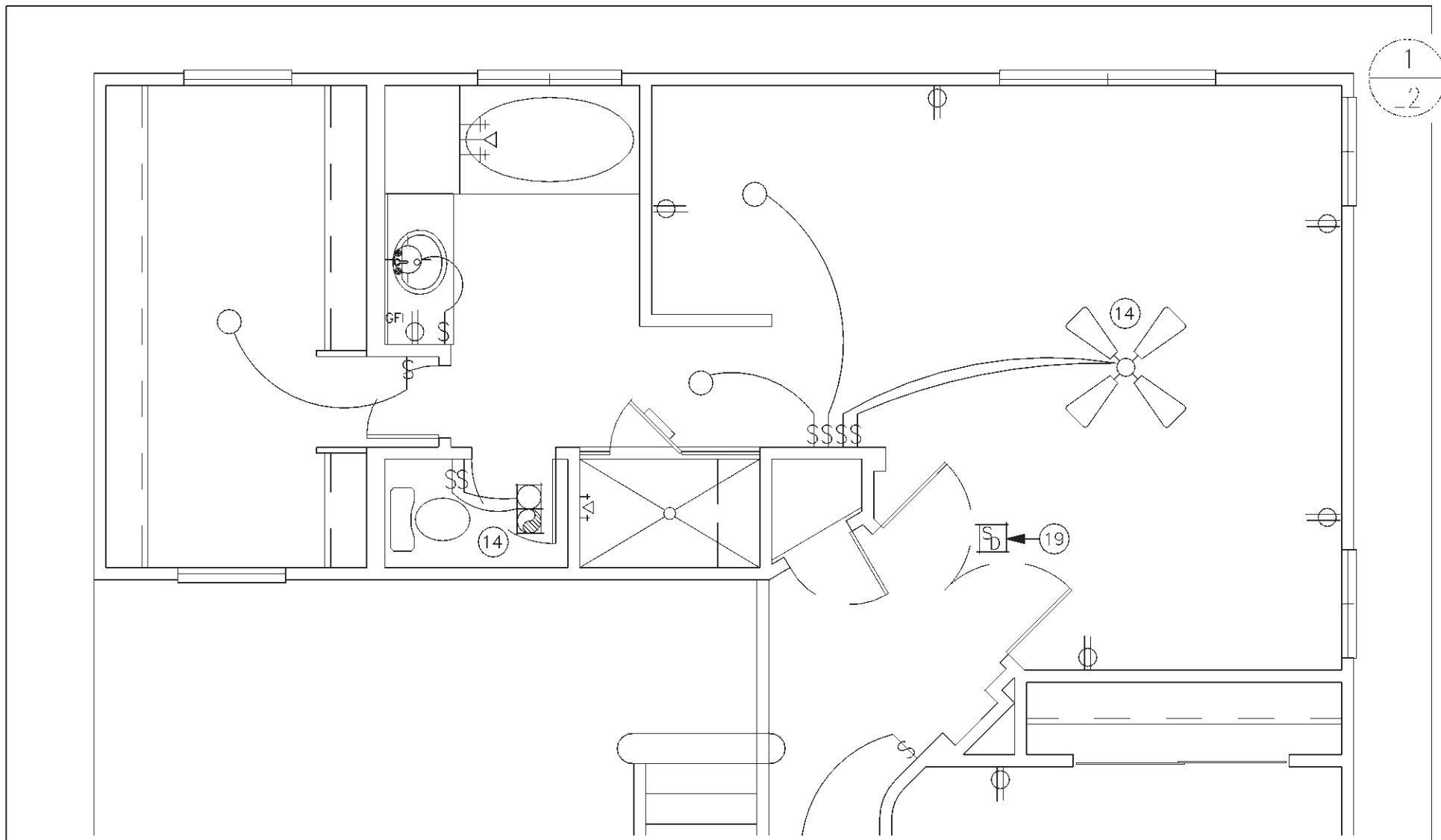
1 OPT. DEN / EXT. BATH WALL / DECK  
E2 SCALE: 1/4" = 1'-0"



2 EXT. BATH W/ CLOSET OPT "A"  
E2 SCALE: 1/4" = 1'-0"



3 EXT. BATH W/ CLOSET OPT "B"  
E2 SCALE: 1/4" = 1'-0"



3 EXT. BATH / SITTING ROOM  
E2 SCALE: 1/4" = 1'-0"

ELECTRICAL SYMBOLS	
	= RECESSED LIGHT
	= "VAPOR PROOF" LIGHT
	= STD. LIGHT
	= STD. WALL MOUNT LIGHT
	= STD. SWITCH
	= STD. DUPLEX OUTLET
	= STD. SWITCHED OUTLET
	= G.F.C.I., W.P. DUPLEX OUTLET
	= STD. 220v. OUTLET
	= STD. CEILING FAN
	= OPT. CLG. FAN / STD. LIGHT
	= TELEVISION OUTLET
	= LOW VOLTAGE OUTLET
	= OPT. OUTSIDE TELEPHONE
	= STD. TELEPHONE
	= EXHAUST FAN 5 AIR CHANGES PER HOUR
	= FUSED DISCONNECT SWITCH
	= CHIMES
	= CONDENSOR MOTOR
	= PUSH BUTTON SWITCH
	= SMOKE DETECTOR
	= FLOURESCENT LIGHT
	= INCANDESCENT BAR LIGHT

SEE SHEET E1 FOR LOAD CALCULATIONS, SERVICE ENTRANCE DIAGRAM, AND ELECTRICAL PANEL SCHEDULE

GENERAL INFORMATION	
1. ALL KITCHEN ABOVE COUNTER RECEPTACLES SHALL BE INSTALLED @ +44" UNLESS NOTED OTHERWISE	
2. ALL BATHROOM ABOVE COUNTER RECEPTACLES SHALL BE INSTALLED @ +40" UNLESS NOTED OTHERWISE	
3. GARAGE AND EXTERIOR CONVENIENCE RECEPTACLES SHALL BE INSTALLED @ +24" UNLESS NOTED OTHERWISE	
4. EXTERIOR CONVENIENCE RECEPTACLES SHALL BE WEATHER PROOF	
5. (2) OR MORE 20 AMP SMALL APPLIANCE CIRCUITS SHALL BE PROVIDED TO SERVE THE KITCHEN, BREAKFAST & DINING ROOM, SUCH CIRCUITS SHALL HAVE NO OTHER OUTLETS.	
6. PROVIDE AT LEAST 1-20 AMP CIRCUIT TO SERVE LAUNDRY ROOM. THIS CIRCUIT SHALL HAVE NO OTHER OUTLETS.	
7. OUTLET BOXES IN WALLS BETWEEN LIVING SPACE AND GARAGE SHALL BE METAL OR U.L. APPROVED FIRE RESISTIVE PLASTIC OUTLET BOXES IN GARAGE CEILING SHALL BE METAL.	
8. ELECTRICAL PANELS, INCLUDING MECH. EQUIPMENT DISCONNECTS REQUIRE 30" WIDE, 36" DEEP, 75" HIGH CLEAR WORK SPACE IN FRONT. AIR CONDITIONING EQUIPMENT SHALL NOT BE LOCATED IN REQUIRED PATHS OF BEDROOM EGRESS.	
9. THE EXHAUST FAN SHOULD BE RATED AT 75 C.F.M.	
10. CEILING FAN OUTLET BOXES SHALL BE LISTED FOR THE APPLICATION/LOCATION AND SHALL BE RIGIDLY SECURED IN PLACE.	
11. PROVIDE HARD WIRED SMOKE DETECTORS INTERCONNECTED WITH BATTERY BACKUP IN ALL PREVIOUSLY REQUIRED LOCATIONS AND CENTRALLY LOCATED IN BEDROOMS. MAINTAIN MANUFACTURER'S RECOMMENDED DISTANCE FROM CEILING FANS AND SUPPLY AND RETURN AIR OPENINGS.	
12. SMOKE DETECTORS LOCATION SHALL COMPLY WITH U.B.C. AS AMENDED FOR DIFFERENT CEILING HEIGHT REQUIREMENTS: 24" RULE.	
13. CEILING FANS OR LIGHTS INSTALLED UNDER PATIO COVERS MUST BE LISTED FOR DAMP LOCATIONS. LIGHTS NOT UNDER COVER MUST BE LISTED FOR WET LOCATIONS.	
14. FIXTURES IN CLOTHES CLOSETS ARE REQUIRED TO BE 30" FROM STORAGE WALLS, OR IF THE CLOSET IS 24" DEEP, A FLOURESCENT WITH LENS MAY BE MOUNTED ON THE WALL FARTHEST FROM THE STORAGE AREAS.	
15. ALL EXTERIOR LIGHTS SHALL BE APPROVED FOR DAMP LOCATIONS.	
16. ALL CIRCUIT BREAKERS AND WIRE SHALL BE SIZED FOR THE APPLICATION PER 96 NEC. ALL WIRE SHALL BE THE SAME SIZE ALONG THE ENTIRE LENGTH OF THE BRANCH CIRCUIT. (REFER TO NEC 220 & 310)	
KEYNOTES	
No.	DESCRIPTION
1	RANGE/COOKTOP - OPTIONAL GAS
2	OVEN - OPTIONAL GAS
3	REFRIGERATOR
4	FREEZER
5	DISHWASHER
6	PREWIRE FOR MICROWAVE.
7	SINK w/ DISPOSAL
8	WASHER
9	DRYER - 220v. OUTLET REMAINS w/ OPT. GAS.
10	NOT USED
11	20 AMP. CIRCUIT BREAKER OUTLET - 1 LEG SWITCHED @ DISPOSAL, 1 LEG HOT @ DISHWASHER
12	75 C.F.M. EXHAUST FAN
13	STANDARD CEILING FAN - (SEE NOTE 10)
14	STANDARD CEILING FAN/LIGHT- (SEE NOTE 10)
15	REINFORCE J-BOX FOR OPTIONAL PREWIRE PACKAGE FOR CEILING FAN
16	OPTIONAL PATIO LIGHT OR FAN OR FAN/LIGHT. (SEE NOTE 13)
17	NOT USED
18	CHIMES - WIRE TO FRONT DOOR - USE THERMOSTAT FOR POWER
19	SMOKE DETECTOR PER '94 UBC SEC 310.9.1.4. (SEE NOTE 11)
20	NOT USED
21	CEILING OUTLET FOR AUTOMATIC GARAGE DOOR OPENER - GFI PER N.E.C. SEC. 210-8
22	LOW VOLTAGE WIRING TO GARAGE DOOR SENSORS.
23	LIGHT AND SWITCH WITH OPTIONAL EXTERIOR DOOR ONLY
24	SCOUTLE ACCESS w/ SWITCH AND LIGHT. SEE TYPICAL ATTIC INSTALLATION DIAGRAM.
25	NOT USED
26	FORCED AIR UNIT IN ATTIC w/ 110V OUTLET - OPT GAS SEE TYP. ATTIC INSTALLATION DIAGRAM ON SHEET M1
27	A/C COMPRESSOR DISCONNECT - COORDINATE LOCATION w/ MECHANICAL CONTRACTOR
28	NOT USED
29	BUILT-IN IRONING BOARD
30	200 AMP SERVICE ENTRANCE - LOCATE PER UTILITY COMPANY
31	200 AMP ELECTRICAL PANEL
32	NOT USED
33	NOT USED
34	NOT USED

PROJECT NO.: RH99-0504

DRAWN BY: S. PREUSS

DATE: 16 SEP 99

REVISIONS

Rev.	DATE:
1	
2	
3	
4	

2ND FLOOR ELECTRICAL

SHEET CONTENT:

PLAN 2102

SHEET E-2

REPUBLIC HOMES, L.L.C.  
825 N. GILBERT RD., SUITE 104  
GILBERT, AZ 85234  
(480) 539-6485 FAX (480) 539-6488

The Tektone Company  
Architectural Drafting Services  
8221 E. Corabel Cir., Mesa, AZ 85208  
PH. (602) 357-1858 FAX (602) 357-1859