

PANEL A (EXISTING)

PANEL 3# 4 WIRE

TYPE NEMA 1

LOC. KITCHEN EXIT

MTG. FLUSH

MAIN M.L.O.

BUS: AMP 200

VOLTS 120/208

FEEDER EXISTING

AT

| DESCRIPTION    | WATTAGE |        |        | OUTLETS |            |   | BKR |   |    | BKR        |   |   | OUTLETS |    |              | WATTAGE |       |      | DESCRIPTION      |                |  |  |  |  |
|----------------|---------|--------|--------|---------|------------|---|-----|---|----|------------|---|---|---------|----|--------------|---------|-------|------|------------------|----------------|--|--|--|--|
|                | A       | B      | C      | A       | B          | C | A   | B | C  | A          | B | C | A       | B  | C            | A       | B     | C    |                  |                |  |  |  |  |
| AC             | 2640    |        |        |         |            |   | 50  | 3 | 1  | 2          | 4 |   | 1       | 20 |              | 500     |       |      | POS              |                |  |  |  |  |
| AC             |         | 2640   |        |         |            |   |     |   |    | 3          |   |   | 1       | 20 |              |         | 1080  |      |                  | DELI 1         |  |  |  |  |
| AC             |         |        | 2640   |         |            |   |     |   |    | 5          |   |   | 1       | 20 |              |         |       | 1080 |                  | DELI 2         |  |  |  |  |
| BREAD          | 2750    |        |        |         |            |   | 30  | 3 | 7  | 8          |   |   | 1       | 20 |              | 1320    |       |      | HOT WELL         |                |  |  |  |  |
| BREAD          |         | 2750   |        |         |            |   |     |   |    | 9          |   |   | 1       | 20 |              |         | 1500  |      |                  | MICRO 1        |  |  |  |  |
| BREAD          |         |        | 2750   |         |            |   |     |   |    | 11         |   |   | 1       | 20 |              |         |       | 1500 |                  | MICRO 2        |  |  |  |  |
| TOAST 1        | 2500    |        |        |         |            |   | 30  | 1 | 13 |            |   |   | 1       | 20 |              | 1200    |       |      | REF BACK COUNTER |                |  |  |  |  |
| TOAST 2        |         | 2500   |        |         |            |   |     |   |    | 15         |   |   | 1       | 20 |              |         | 450   |      |                  | FRNT GFI       |  |  |  |  |
| WIC            |         |        | 1440   |         |            |   | 20  | 1 | 17 |            |   |   | 1       | 20 |              |         | 950   |      |                  | PREP GFI       |  |  |  |  |
| WIC            | 1440    |        |        |         |            |   |     |   |    | 19         |   |   | 1       | 20 |              | 960     |       |      | DRINKS COOLER    |                |  |  |  |  |
| WIF            |         | 1850   |        |         |            |   | 20  | 1 | 21 |            |   |   | 1       | 20 |              |         | 400   |      |                  | SODA           |  |  |  |  |
| WIF            |         |        | 1850   |         |            |   |     |   |    | 23         |   |   | 1       | 20 |              |         |       | 960  |                  | TEA            |  |  |  |  |
| DOOR HEATERS   | 480     |        |        |         |            |   | 20  | 1 | 25 |            |   |   | 1       | 20 |              | 1320    |       |      | ICE              |                |  |  |  |  |
| SODA BAG       |         | 540    |        |         |            |   | 20  | 1 | 27 |            |   |   | 1       | 20 |              |         | 850   |      |                  | HOOD           |  |  |  |  |
| SIGN           |         |        | 360    |         |            |   | 20  | 1 | 29 |            |   |   | 1       | 20 |              |         |       | 480  |                  | MENU           |  |  |  |  |
| EM LIGHTS      | 300     |        |        |         |            |   | 20  | 1 | 31 |            |   |   | 1       | 20 |              | 1140    |       |      | LIGHTS           |                |  |  |  |  |
| ROOF GFI       |         | 300    |        |         |            |   | 20  | 1 | 33 |            |   |   | 1       | 20 |              |         | 960   |      |                  | LIGHTS         |  |  |  |  |
| H2O            |         |        | 2760   |         |            |   | 50  | 3 | 35 |            |   |   |         |    |              |         |       |      |                  |                |  |  |  |  |
| H2O            | 2760    |        |        |         |            |   |     |   |    | 37         |   |   |         |    |              |         |       |      |                  |                |  |  |  |  |
| H2O            |         | 2760   |        |         |            |   |     |   |    | 39         |   |   |         |    |              |         |       |      |                  |                |  |  |  |  |
|                |         |        |        |         |            |   |     |   |    | 41         |   |   |         |    |              |         |       |      |                  |                |  |  |  |  |
| CONNECTED LOAD | 12,870  | 13,340 | 11,800 |         |            |   |     |   |    |            |   |   |         |    |              | 6,440   | 5,240 | 4970 |                  | CONNECTED LOAD |  |  |  |  |
| # A LOAD       | 19,310  |        |        |         |            |   |     |   |    |            |   |   |         |    |              |         |       |      |                  |                |  |  |  |  |
| # B LOAD       | 18,580  |        |        |         |            |   |     |   |    |            |   |   |         |    |              |         |       |      |                  |                |  |  |  |  |
| # C LOAD       | 16,770  |        |        |         |            |   |     |   |    |            |   |   |         |    |              |         |       |      |                  |                |  |  |  |  |
| TOTAL LOAD     | 54,660  |        |        |         |            |   |     |   |    |            |   |   |         |    |              |         |       |      |                  |                |  |  |  |  |
| 54,660 KW+LCL  |         |        |        |         | 56,160 KW= |   |     |   |    | 56.2 KW AT |   |   |         |    | 208 VOLTS 3# |         |       |      |                  | 156.11 AMPS    |  |  |  |  |

NOTE: WIRING METHODS

NONRESIDENTIAL PROJECTS SHALL BE WIRED WITH  
AC-90, EMT, FLEX OR EQUAL PROTECTION

NOTES:

EXIT SIGNS SHALL BE READILY VISIBLE FROM ANY DIRECTION OF APPROACH AND EXIT SIGNS SHALL BE LOCATED TO CLEARLY INDICATE THE DIRECTION OF EGRESS TRAVEL AND SUCH THAT NO POINT SHALL BE MORE THAN 100 FEET FROM THE NEAREST VISIBLE SIGN. CBC 1011.1

EXIR SIGNS SHALL BE CONNECTED TO AN EMERGENCY ELECTRICAL POWER SYSTEM (STORAGE BATTERIES, UNIT EQUIPMENT, OR AN ON SITE GENERATOR SET) OR AN APPROVED SELF LUMINOUS SYSTEM THAT PROVIDES CONTINUOUS ILLUMINATION INDEPENDANT OF THE EXTERNAL POWER SOURCE TO ENSURE THAT THE EXIT SIGNS ARE ILLUMINATED AT ALL TIMES. CBC 1011.5.3

THE MEANS OF EGRESS ILLUMINATION LEVEL SHALL NOT BE LESS THAN 1 FOOT-CANDLE (11 LUX) AT THE WALKING SURFACE LEVEL. CBC 1006.2

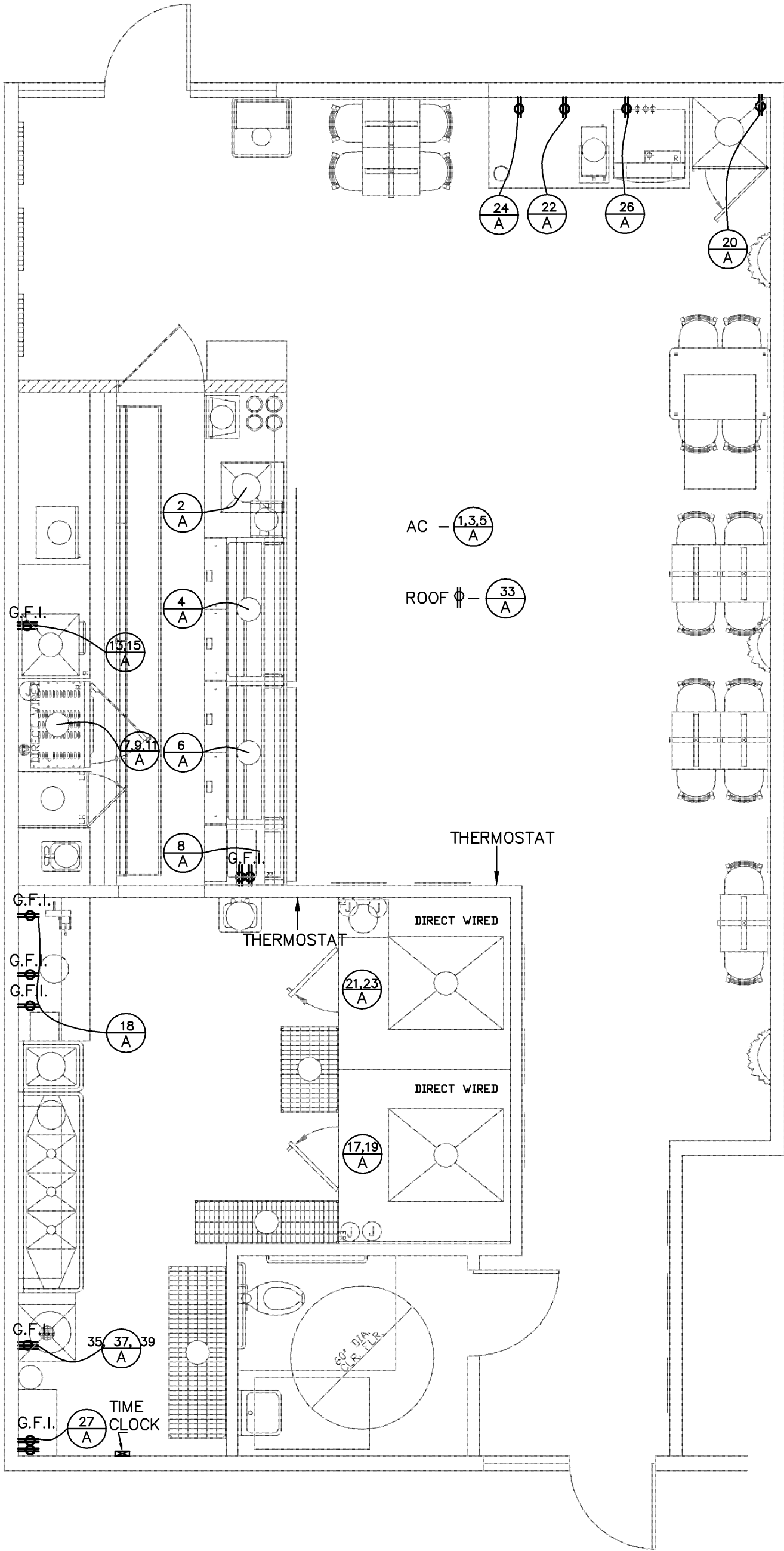
THE POWER SUPPLY FOR MEANS OF EGRESS ILLUMINATION SHALL NORMALLY BE PROVIDED BY THE PREMISES' ELECTRICAL SUPPLY. IN THE EVENT OF POWER SUPPLY FAILURE, AN EMERGENCY ELECTRICAL SYSTEM SHALL AUTOMATICALLY ILLUMINATE THE EGRESS SYSTEM. CBC 1006.3

PROVIDE AN ACCESSIBLE MEANS OF EGRESS PER CBC SEC. 1007

EXISTING SHOW WINDOW RECEPTACLE AND CIRCUIT.

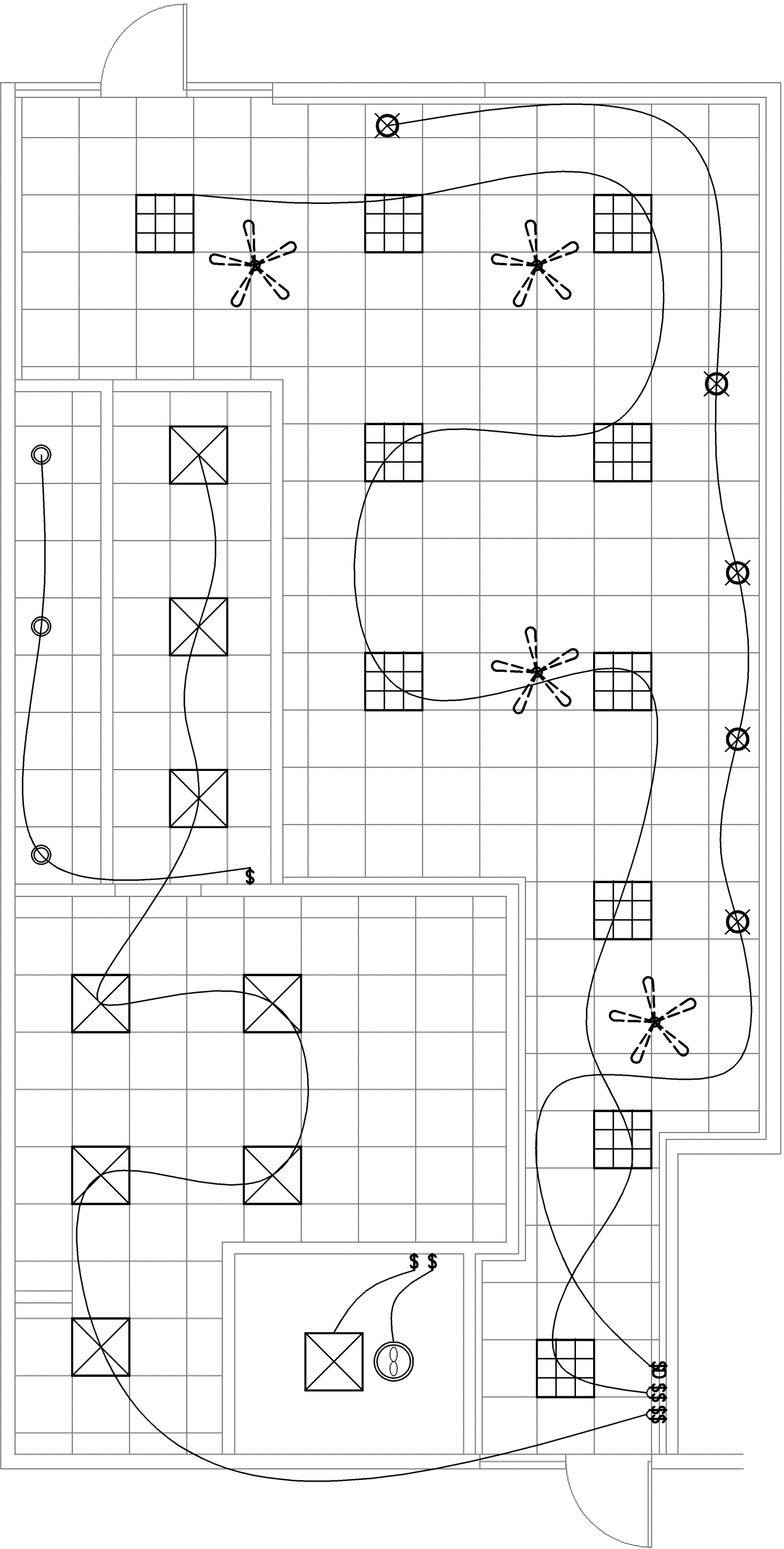
ALL RECEPTACLES IN KITCHEN AND PREP AREA TO HAVE G.F.C.I. PROTECTION.

DAYLIGHTING AREA SHALL HAVE SEPERATE LIGHTING CONTROLS.



ELECTRICAL PLAN

SCALE: 1/4" = 1'-0"



ELECTRICAL LIGHTING PLAN

SCALE: 1/4" = 1'-0"

P.E.  
INCORPORATED  
PASQUINI  
ENGINEERING

908 H Street Suite 300  
Bakersfield, Ca. 93304  
Telephone: (661)-328-9600  
Fax: (661)-328-9030

| NO. | DATE |
|-----|------|
|     |      |
|     |      |
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|     |      |
|     |      |

SUBWAY  
STORE 44346  
220 W. MAIN ST. SUITE 101  
EL CAJON, CA 92020

THESE PLANS ARE NOT  
FOR CONSTRUCTION  
UNLESS A "WET STAMP &  
SIGNATURE" FROM BOTH  
THE ENGINEER OF RECORD  
AND A APPROVAL STAMP  
WITH A "WET STAMP &  
SIGNATURE" FROM THE  
LOCAL GOVERNING  
AGENCY ARE PRESENT.

|          |          |
|----------|----------|
| DWG. BY  | J.P.     |
| CHK'D BY |          |
| DATE     | 8/4/2010 |
| JOB NO.  | 6193     |
| FILE NO. | 619322   |

EXP. 12/31/10

SHEET  
E-2

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