

## 2 TELEPHONE BOARD DIAGRAM

SCALE: 3/4" = 1'-0"

TELEPHONE BOARD 3/4" PLYWOOD MUST BE PAINTED (P-1) PRIOR TO INSTALLATION.

ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLING AND MAKING FINAL CONNECTIONS TO THE MUSIC SYSTEM AS PART OF THE SCOPE OF WORK, COORDINATE ALL REQUIREMENTS WITH TENANT AND MUSIC REP PRIOR TO INSTALLATION

TENANT TELCO VENDOR TO DO ALL CONNECTION / TERMINATION FOR ALL TELEPHONE JACKS. TELEPHONE COMPANY BRINGS LINE TO TELEPHONE BOARD IN TENANT SPACE. IT IS THE RESPONSIBILITY OF TELCO VENDOR TO COMPLETE INSTALLATION OF TELEPHONE LINES, JACKS, AND PHONES FROM TEL. BOARD IN TENANT SPACE TO POINT OF TERMINATION.

G.C. IS RESPONSIBLE FOR THE EXTENSION OF TELEPHONE SERVICE WITHIN 2" CONDUIT FROM NEAREST TELEPHONE COMPANY SERVICE POINT TO TENANT TELEPHONE EQUIPMENT BACKER BOARD.

### ELECTRICAL SYMBOL LEGEND

|  |   |
|--|---|
|  | UNIPLEX RECEPTACLE (SINGLE)                                   |
|  | DUPLEX RECEPTACLE   |
|  | DUPLEX FLOOR MOUNTED  |
|  | QUADPLEX RECEPTACLE   |
|  | QUADPLEX FLOOR MOUNTED  |
|  | SPECIAL VOLTAGE OR AMPERAGE                                   |
|  | TELEPHONE OUTLET  |
|  | JUNCTION BOX  |
|  | DATA OUTLET   |
|  | DOORBELL PUSHBUTTON MTD 48" A.F.F. UNLESS NOTED OTHERWISE     |
|  | DOORBELL  |
|  | DISCONNECT SWITCH   |
|  | TELEPHONE BOARD   |
|  | ELECTRICAL PANEL  |
|  | TRANSFORMER   |
|  | 24HR 7 DAY-TIME CLOCK   |
|  | LIGHTING CONTACTOR  |
|  | OCCUPANCY/MOTION SENSOR                                       |
|  | SINGLE POLE WALL SWITCH MTD 48" A.F.F. UNLESS NOTED OTHERWISE |
|  | 3 #12, 3/4" (2 CKT WIRES, 1 NEUTRAL, 1 GROUND)                |
|  | CIRCUIT HOME RUN  |
|  | CONDUIT THRU/BELOW FLOOR                                      |
|  | CONDUIT STUBBED UP/DOWN                                       |
|  | NIGHT LIGHT   |
|  | TIMECLOCK CONTROLLED CIRCUIT                                  |

### ELECTRICAL NOTES AND SPECIFICATIONS

#### GENERAL

- ENTIRE INSTALLATION SHALL CONFORM TO NATIONAL ELECTRIC CODE AND ALL LOCAL ORDINANCES HAVING JURISDICTION AND MALL GENERAL STANDARDS AND SPECIFICATIONS.
- MINIMUM SIZE FOR ALL OUTLET BOXES SHALL BE 4"
- MINIMUM WIRE SIZE SHALL BE NO.12 AWG. ONLY COPPER CONDUCTORS ARE PERMITTED.
- PROVIDE IDENTIFICATION OF ALL BRANCH CIRCUITS ON TYPEWRITTEN DIRECTORY CARD, PERMANENTLY AFFIXED TO THE DOOR OF EACH LIGHTING AND DISTRIBUTION PANEL.
- ALL FLUORESCENT LIGHT FIXTURES SHALL HAVE HIGH POWER FACTOR BALLASTS.

#### MATERIAL

- ALL MATERIALS SHALL BE NEW EXCEPT WHERE OTHERWISE NOTED AND SHALL BEAR UNDERWRITERS AND UNION LABELS WHERE SUCH LABELING APPLIES.
- ALL MATERIALS AND INSTALLATION SHALL BE IN FULL CONFORMANCE TO LANDLORD'S GENERAL DESIGN SPECIFICATIONS AND STANDARDS.
- TIME SWITCHES SHALL BE INTERMATIC, POLES AND RATINGS AS REQUIRED.
- CONDUIT SHALL BE GALVANIZED STEEL OR RIGID HEAVY WALL UNDERSLAB; ABOVE SLAB CONDUIT SHALL BE ELECTRIC-METALLIC TUBING WITH SET SCREW FITTINGS. FLEXIBLE CONDUIT MAY BE USED IF APPROVED BY APPLICABLE CODE AND LANDLORD SPECIFICATION.
- EXCEPT WHERE OTHERWISE INDICATED, WIRE SHALL BE COPPER WITH 600 VOLT INSULATION, TYPE THWN, FOR BRANCH CIRCUITS; TYPE THW FOR SIZES NO.4 OR LARGER.
- OUTLET BOXES SHALL BE PRESSED GALVANIZED STEEL.
- NYLON DRAG WIRES SHALL BE INSTALLED IN ALL EMPTY CONDUITS.
- WIRING DEVICES SHALL BE AS FOLLOWS: LIGHT SWITCHES-20 AMP, HUBBEL 1221; DUPLEX RECEPTACLES-20 AMP, HUBBEL 52-52; SOCKETS TO BE WHITE BAKELITE, DEVICE PLATES TO BE WHITE, UNLESS INDICATED OTHERWISE ON PLAN.
- MATERIALS AND EQUIPMENT SHALL BE GUARANTEED FREE FROM DEFECTS FOR ONE (1) YEAR FROM DATE OF OWNER ACCEPTANCE, AND BE REPLACED, IF REQUIRED, AT NO EXPENSE TO OWNER, DURING 1ST YEAR.

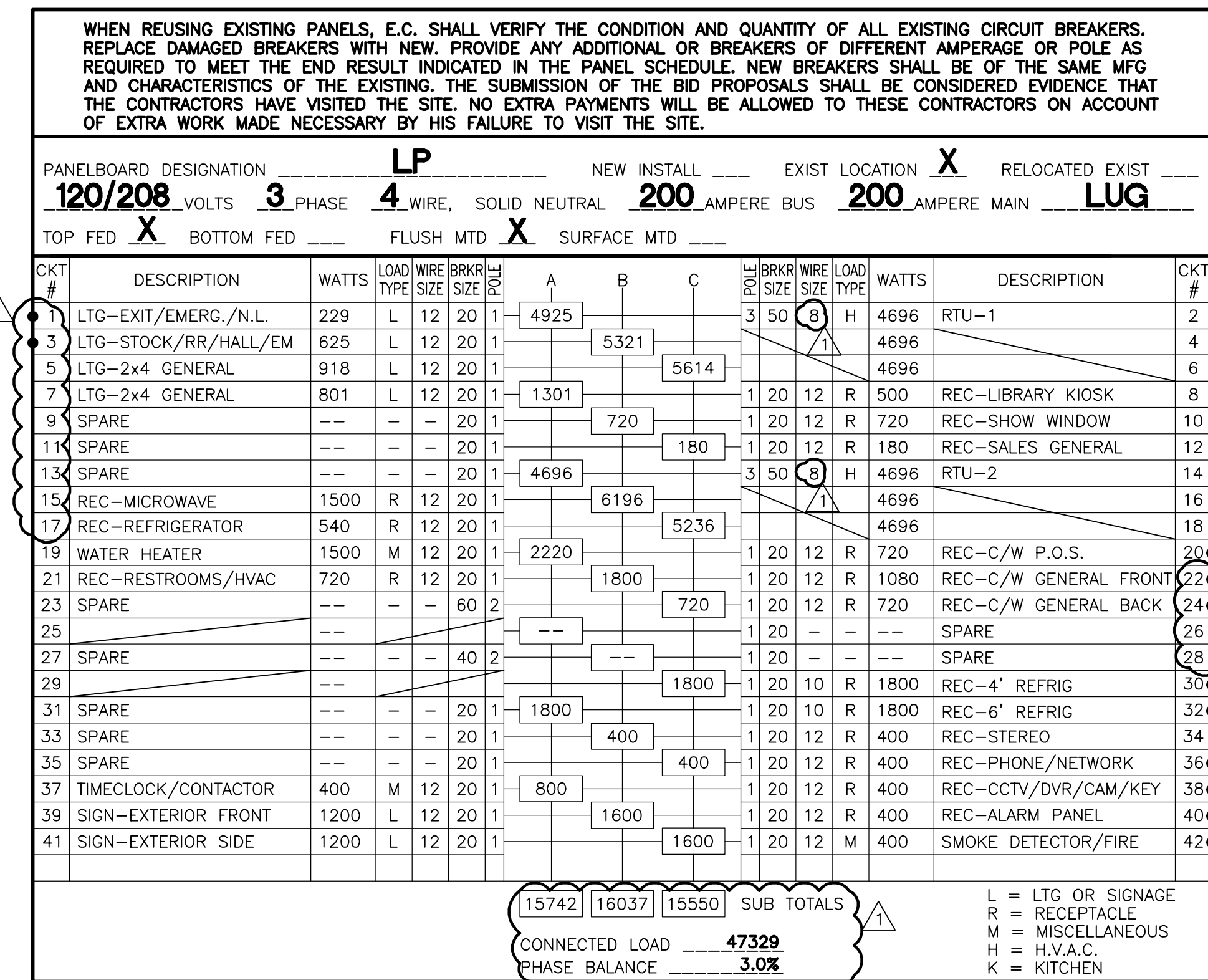
#### WORKMANSHIP, RESPONSIBILITY AND GUARANTEES

- ENTIRE INSTALLATION SHALL BE PERFORMED BY A LICENSED ELECTRICAL CONTRACTOR IN A FIRST CLASS, WORKMANLIKE MANNER. THE COMPLETED SYSTEM SHALL BE FULLY OPERATIVE AND BALANCED ACROSS ALL THREE PHASES.
- ELECTRICAL CONTRACTOR SHALL GUARANTEE ALL MATERIALS AND WORKMANSHIP FREE FROM DEFECTS FOR A PERIOD OF ONE (1) YEAR FROM DATE OF FINAL OWNER ACCEPTANCE.
- CORRECTION OF ANY DEFECTS SHALL BE COMPLETED WITHOUT ADDITIONAL CHARGE AND SHALL INCLUDE REPLACEMENT OR REPAIR OF ANY OTHER PHASE OF THE INSTALLATION WHICH MAY HAVE BEEN DAMAGED THER-BY.
- ALL REQUIRED INSURANCE'S SHALL BE PROVIDED FOR PROTECTION AGAINST PUBLIC LIABILITY AND PROPERTY DAMAGE FOR THE DURATION OF THE PROJECT WORK.

#### NOTES

- ALL LIGHTING FIXTURES SHALL BE WIRED AS PER ARTICLE 410 OF THE NATIONAL ELECTRIC CODE.
- BOND WIRE SHALL BE IN ALL FEEDER CONDUITS WHERE REQUIRED BY CODE.
- GROUNDING TYPE BUSHINGS SHALL BE USED AS REQUIRED BY CODE.
- SIGN CONTRACTOR SHALL INSTALL ALL SIGNS. ELECTRICAL CONTRACTOR SHALL PROVIDE FINAL HOOK-UP OF SIGNS (FROM SIGN TO JUNCTION BOX). SIGN CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING OPERATION OF SIGNS, AFTER FINAL HOOK-UP BY ELECTRICIAN.
- FUSES SHALL BE FUSETRON TYPE.
- INSTALL "LOCK-DOGS" ON CIRCUIT BREAKERS FOR EMERGENCY LIGHTING, EXIT LIGHTS, AND CASH REGISTERS TO PREVENT ACCIDENTAL TURNING OFF OF CIRCUITS.
- ELECTRICAL CONTRACTOR SHALL VISIT SITE AND FAMILIARIZE HIMSELF WITH EXISTING CONDITIONS, PRIOR TO SUBMISSION OF BID. ANY DISCREPANCIES BETWEEN PLANS AND ACTUAL CONDITIONS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT AND BE INCLUDED IN FINAL BID.

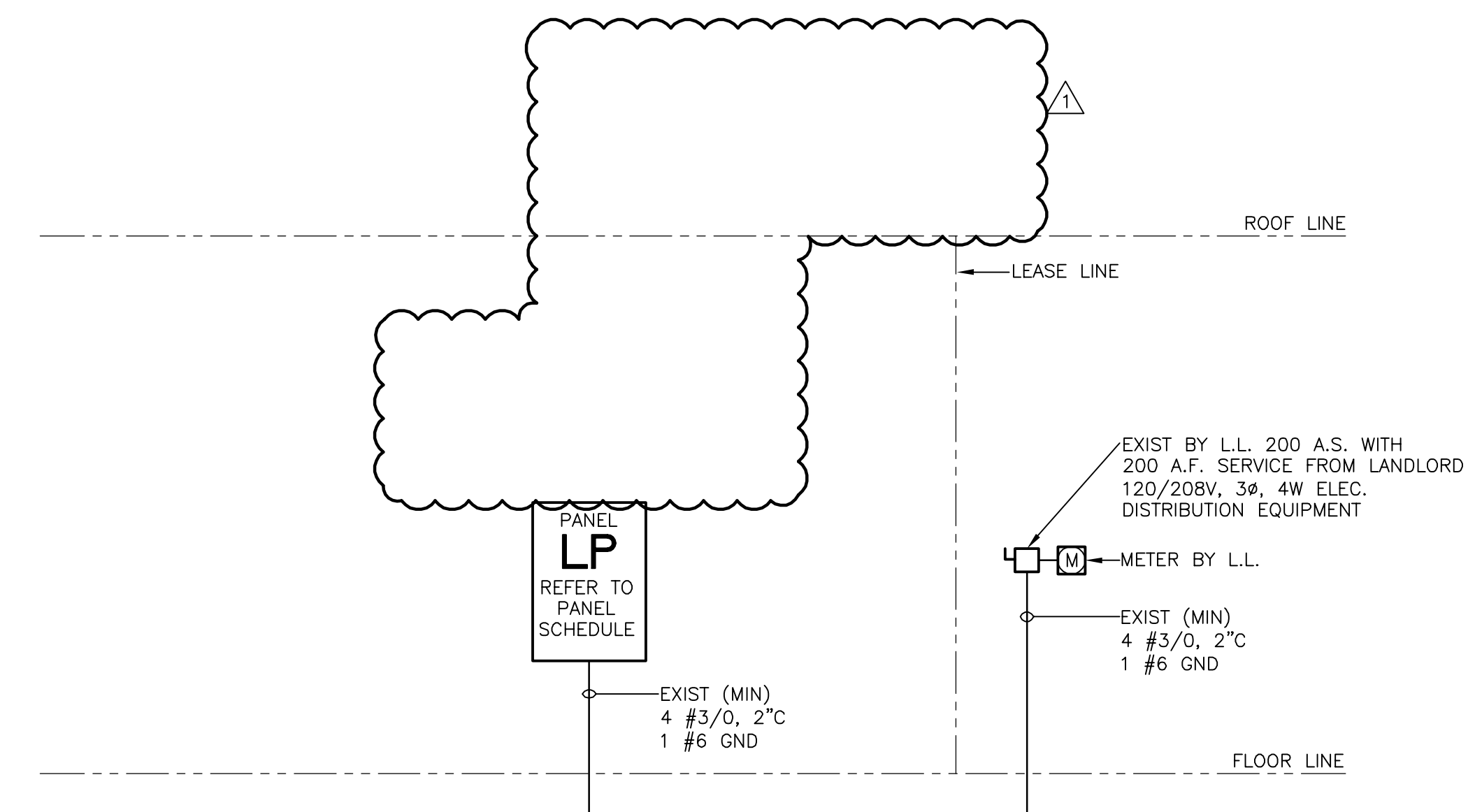
| LP DEMAND                 |                |                |               |
|---------------------------|----------------|----------------|---------------|
| DESCRIPTION               | TOTAL WATTS    | TOTAL WATTS    |               |
| ACTUAL LIGHTING LOAD      | 2573           | 2573           |               |
| 25% CONTINUOUS LOAD       | 843            | 843            |               |
| FRONT/INTERIOR SIGNS      | 2400           | 2400           |               |
| 25% CONTINUOUS LOAD       | 600            | 600            |               |
| RECEPTACLES               | 1180           | 1180           |               |
| WATER HEATER              | 1500           | 1500           |               |
| MISC.                     | 800            | 800            |               |
| RTU-1                     |                |                |               |
| COMP                      | 6228           |                |               |
| IFM                       | 2088           | 2088           |               |
| OFM                       | 540            |                |               |
| ELEC. HEAT                |                | 12000          |               |
| RTU-2                     |                |                |               |
| COMP                      | 6228           |                |               |
| IFM                       | 2088           | 2088           |               |
| OFM                       | 540            |                |               |
| ELEC. HEAT                |                | 12000          |               |
| 25% LARGEST MOTOR         | 1557           | 522            |               |
| <b>DEMAND W/ A/C LOAD</b> | <b>39,665w</b> | <b>110.2a</b>  |               |
| <b>DEMAND W/ HTR LOAD</b> |                | <b>49,094w</b> | <b>136.4a</b> |



NOTE: ALL BREAKERS SHALL BE BOLT-ON, UNLESS OTHERWISE NOTED.  
 ● - INDICATES THIS CIRCUIT TO RECIEVE HANDLE LOCK-ON CLIP  
 T/C - INDICATES THIS CIRCUIT TO BE CONTROLLED BY A TIMECLOCK  
 \* - REFER TO ONE-LINE DIAGRAM FOR WIRE SIZE TO THIS EQUIPMENT

E.C. SHALL VERIFY THE CHARACTERISTICS OF THE EXISTING ELECTRICAL SERVICE WITH THE LANDLORD AND THE UTILITY. CO., SHALL COORDINATE ALL SERVICE REQUIREMENTS WITH THEM, AND SHALL PROVIDE ALL LABOR AND MATERIALS. AND SHALL PAY ALL PERMITS AND FEES, NECESSARY TO PROVIDE AN ELECTRICAL SERVICE IN CONFORMANCE WITH ALL APPLICABLE CODES AND ORDINANCES AND SATISFYING THE REQUIREMENTS OUTLINED HEREIN SHOULD THE EXISTING SERVICE PROVE INADEQUATE.

ELECTRICIAN MUST FIELD VERIFY IN FIELD AND REPORT DISCREPANCIES TO ARCHITECT-T.G.C. TO BALANCE ALL PHASES TO WITHIN 10% IN FIELD.



## 1 ELECTRICAL ONE-LINE DIAGRAM

SCALE: NONE

- ALL WIRE SHALL BE COPPER ONLY, THW, THWN, THHW, OR NEC APPROVED EQUAL OR BETTER. ALL WIRING SHALL BE IN CONDUIT. WIRE AMPACITY BASED ON NEC 110-14c AND TABLE 310-16.
- E.C. SHALL FURNISH ALL NEW ELECTRICAL EQUIP. (PANELS, TRANSFORMER, CONDUITS, WIRE, METERS, SERVICE FEEDERS AND CONDUIT, DISC SWITCHES, CONTACTORS, TIMELOCKS, ETC) AS REQUIRED, UNLESS NOTED OTHERWISE.
- ALL ELECTRICAL EQUIPMENT (PANELS, TRANSFORMER, LIGHTS, DEVICES, CONDUIT, WIRE, ETC.) NOT BEING USED SHALL BE REMOVED FROM THE SITE. DO NOT ABANDON IN PLACE.
- E.C. SHALL FIELD VERIFY ALL EXISTING ELECTRICAL EQUIPMENT. ALSO FIELD VERIFY THAT ANY EXISTING ELEC. EQUIPMENT TO BE REUSED IS OF ADEQUATE SIZE AND CONDITION TO MAINTAIN SAFE OPERATION. IF DISCREPANCIES ARISE CONTACT PROJECT REP.

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REGISTRATION SEAL

REVISIONS:  
 06/20/16 OWNER COMMENTS

PROJECT NO. 150310  
 DATE: 10/14/15  
 DRAWN BY: TM  
 STORE NUMBER: 404  
 SCALE: AS NOTED

SALES AREA 2,420 S.F.  
 NON SALES 588 S.F.

GROSS AREA 3,008 S.F.

SHEET TITLE:  
**SPECS/DETLs**  
**PANELS**

**theVitamin Shoppe**  
 5463 LYONS ROAD, SUITE 'A'  
 COCONUT CREEK, FL. 33073

SHEET NO:

**E3.0**