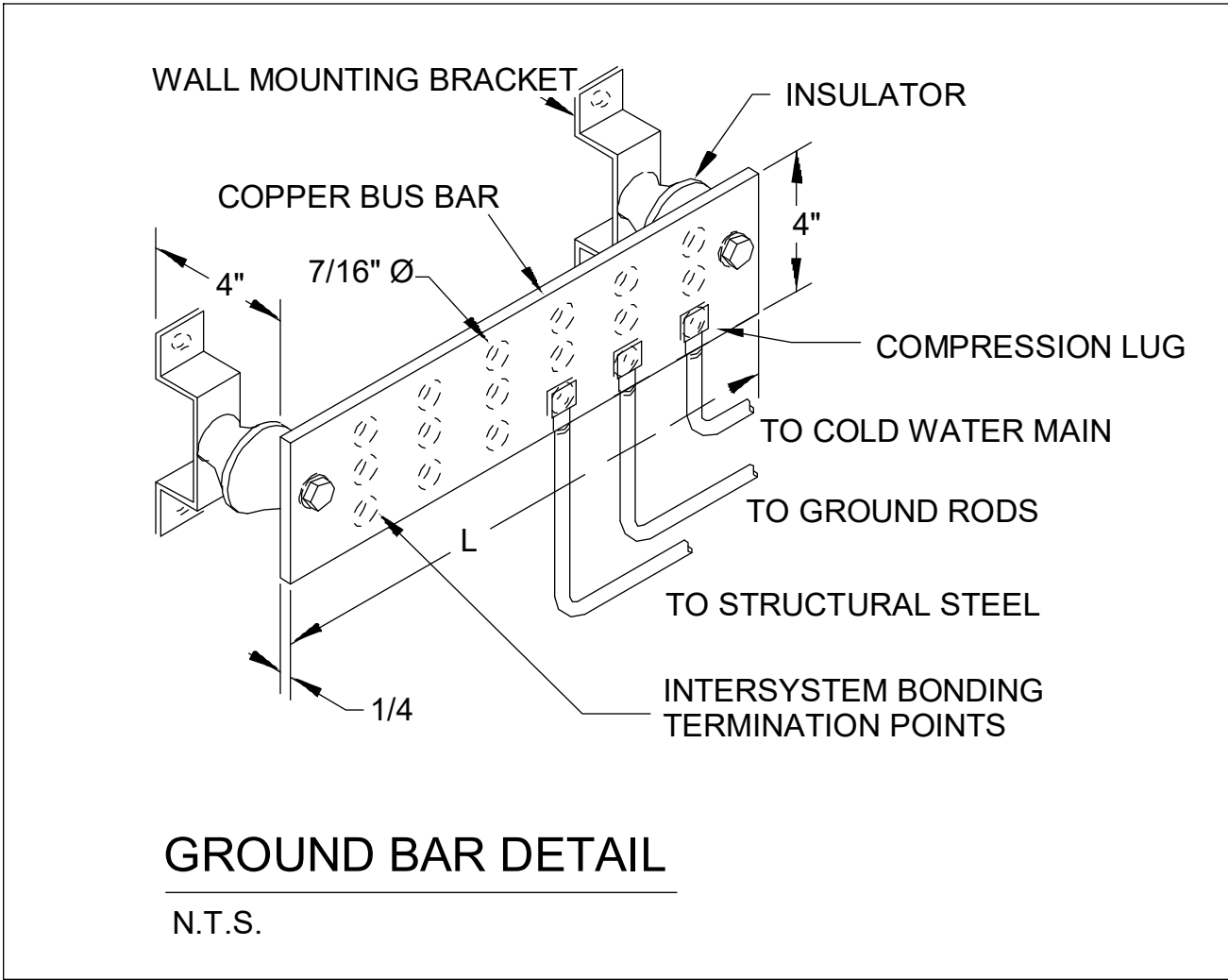


Electrical Notes

1. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE NEC-2020 AND FBC-2023 NFPA 70, AND ALL OTHER PERTAINING CODES AND STANDARD REGULATIONS ESTABLISHED BY AUTHORITIES HAVING JURISDICTION, AND SHALL MEET THE REQUIREMENTS OF OTHER RECOGNIZED STANDARDS, SUCH AS THE ASTM, IEE, NEPA AND NEMA WHERE THE REQUIREMENTS OF SUCH STANDARDS ARE MORE STRINGENT THAN THOSE CITED ABOVE.
2. ALL WORK SHALL BE PERFORMED BY A LICENSED ELECTRICAL CONTRACTOR IN A FIRST CLASS MANNER, FULLY OPERATIVE, AND TO THE ACCEPTANCE OF THE OWNER AND ARCHITECT/ENGINEER.
3. ALL ELECTRICAL MATERIALS AND EQUIPMENT SHALL BE NEW AND PROVIDED BY THE CONTRACTOR, AND SHALL BE APPROVED BY U.L. AND BEAR THE U.L. LABEL.
4. PLANS ARE GENERALLY DIAGRAMMATIC AND THE CONTRACTOR SHALL COORDINATE HIS WORK WITH THE WORK OF OTHER TRADES SO THAT INTERFERENCES BETWEEN CONDUITS, PIPING, EQUIPMENT, ARCHITECTURAL AND STRUCTURAL WORK WILL BE AVOIDED.
5. THE CONTRACTOR SHALL HAVE VISITED THE JOB SITE BEFORE BIDDING AND ASCERTAINED ALL EXISTING CONDITIONS WHICH WILL AFFECT HIS WORK. FAILURE TO DO SO WILL NOT BE ACCEPTED AS A REASON FOR REQUESTING EXTRA PAY IN THE EVENT THAT THE EXISTING CONDITIONS RESULT IN EXTRA MATERIAL OR LABOR. ANY EXISTING CONDITION FOUND BY THE CONTRACTOR WHICH WILL ADVERSELY AFFECT THE WORK SHALL IMMEDIATELY BE BROUGHT TO THE ATTENTION OF THE ARCHITECTS/ENGINEER.
6. AFTER THE SYSTEM IS INSTALLED, THE CONTRACTOR SHALL CONDUCT AN OPERATIVE TEST FOR APPROVAL AND ACCEPTANCE BY THE OWNER. EQUIPMENT SHALL BE GUARANTEED FOR A PERIOD OF ONE (1) YEAR FROM DATE OF FINAL ACCEPTANCE THEREOF AGAINST DEFECTIVE MATERIALS, CONSTRUCTION AND WORKMANSHIP.
7. SUBMIT FOR REVIEW PROPERLY IDENTIFIED SHOP DRAWINGS AND MANUFACTURER'S LITERATURE GIVING MATERIALS, FINISHES ACCESSORIES AND INSTALLATION DIRECTIONS, WHERE REQUIRED, OF LIGHTING FIXTURES, PANEL BOARDS, SWITCHES, TRANSFORMERS, CIRCUIT BREAKERS, WIRING DEVICES, RACEWAYS, CONDUCTORS AND OTHER ELECTRICAL COMPONENTS.
8. ALL CONDUCTORS SHALL BE SOFT-DRAWN COPPER. MINIMUM SIZE SHALL BE #12 FOR POWER WIRING. CONDUCTOR INSULATION SHALL BE THW/THWN. ALL WIRING SHALL BE RUN IN CONDUIT OR OTHER METHOD APPROVED BY CODE. RGS OR IMC SHALL BE USED FOR ALL EXTERIOR LOCATIONS AND WHERE EXPOSED TO DAMAGE. EMT MAY BE USED FOR INTERIOR SPACES. PVC MAY BE USED FOR UNDERGROUND RUNS WITH A GROUND WIRE AND WHERE RUN 18" BELOW FINISHED GRADE. ELBOWS INTO GROUND AND SLAB SHALL BE RGS OR IMC.
9. GROUNDING SHALL CONSIST OF COPPER CONDUCTORS IN CONDUIT WITH BOLTED OR BRAZED CONNECTIONS COPPER CLAD GROUND RODS FOR 120/200 NEUTRAL. GROUNDING AND BONDING SHALL COMPLY WITH NEC 250. ALL METALLIC RACEWAYS SHALL BE GROUNDED. NONMETALLIC RACEWAYS SHALL BE PROVIDED WITH COPPER BOND WIRE. PROVIDE BONDING TERMINATIONS FOR INTERSYSTEM BONDING AND GROUNDING CONDUCTORS PER NEC 250.94 OR LATEST VERSION OF NEC CODE.
10. DISCONNECT SWITCHES SHALL BE PROVIDED WITH CURRENT LIMITING FUSES FOR MAIN SERVICE DISCONNECTS, DUAL ELEMENT FUSES FOR MOTOR DRIVEN MECHANICAL EQUIPMENT SIZED PER EQUIPMENT MANUFACTURER'S RECOMMENDATION. DISCONNECTS SHALL BE HORSEPOWER RATED HEAVY DUTY IN NEMA 1 OR 3R ENCLOSURE AS REQUIRED BY EXPOSURE. FIELD COORDINATE BEFORE ACTUAL INSTALLATION.

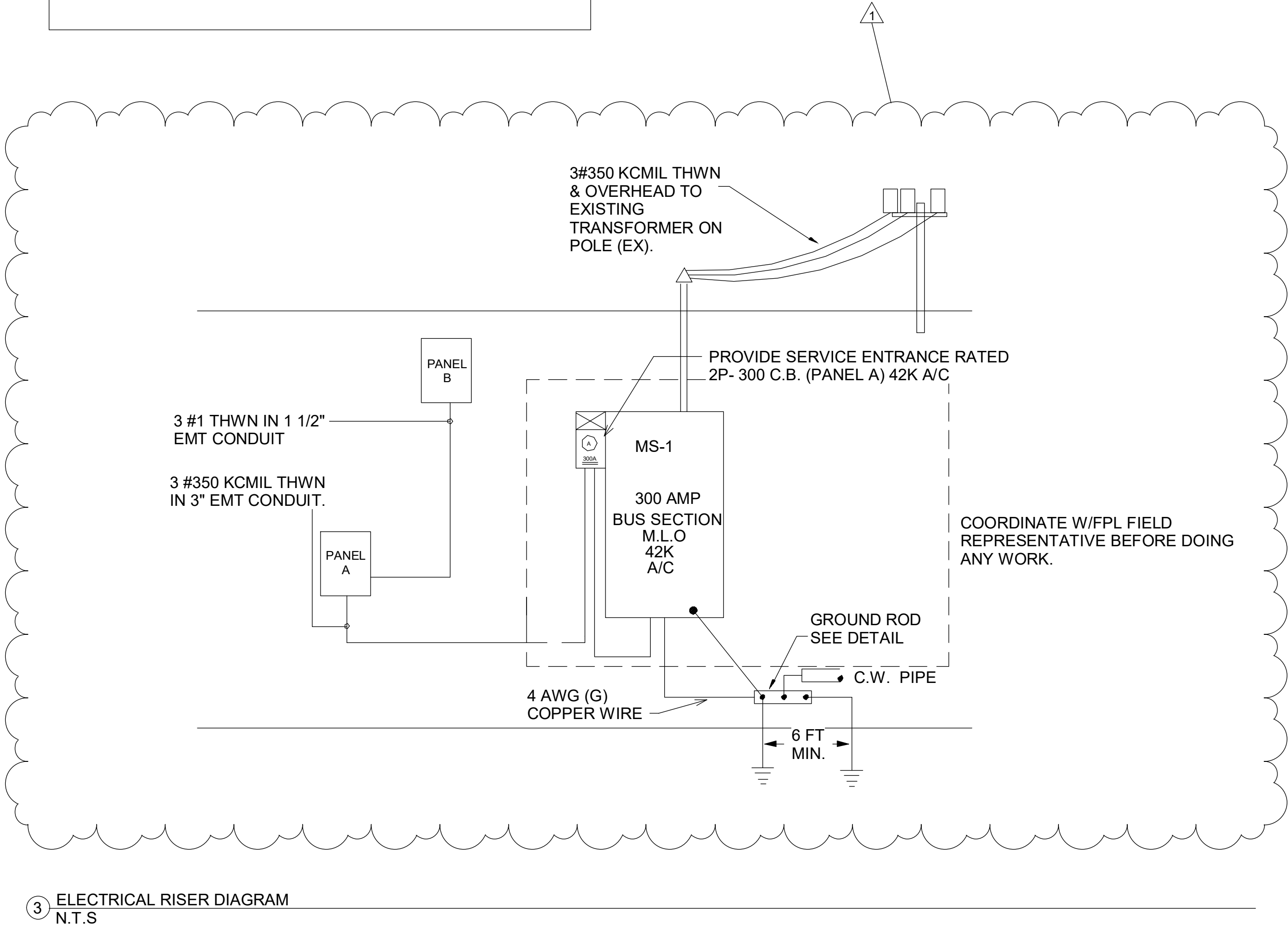
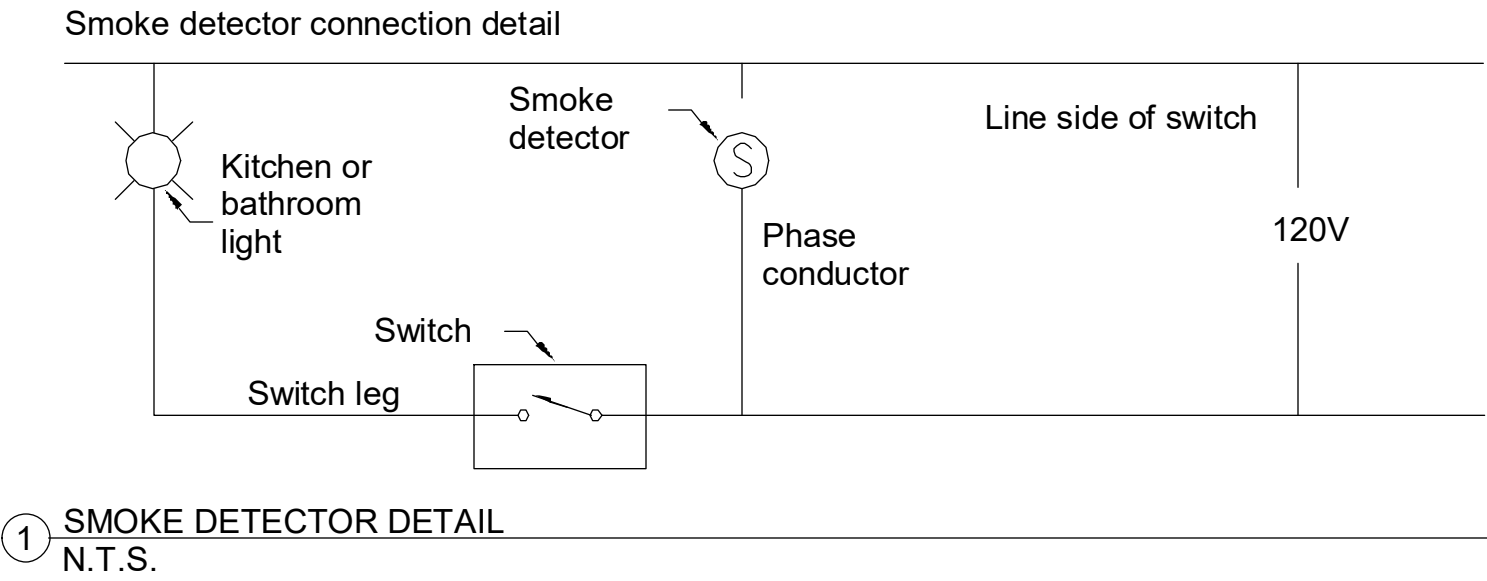
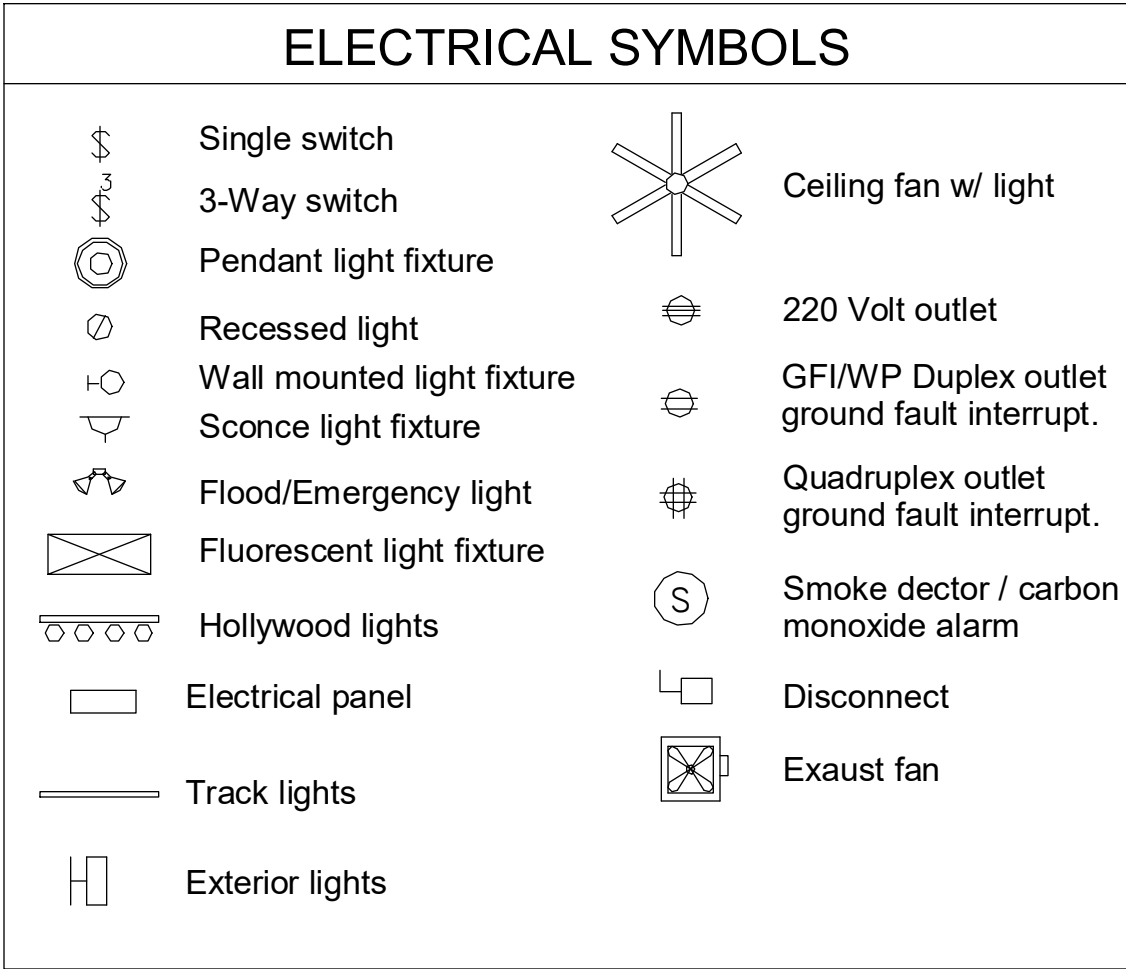
11. MOTORS, TRANSFORMERS AND MECHANICAL EQUIPMENT SHALL BE PROVIDED WITH GREENFIELD FLEXIBLE CONNECTIONS. WATERTIGHT WHERE EXPOSED TO MOISTURE AND WEATHER CONDITIONS.
12. ALL RECEPTACLES AT BUILDING EXTERIOR, IN BATHROOMS, GARAGE AND WITHIN 6 FEET OF SINKS TO BE G.F.I.
13. AT LEAST 90% OF LIGHTING FIXTURES PROVIDED SHALL BE ENERGY EFFICIENT TYPE AND INSTALLED AS SCHEDULED ON THE DRAWINGS.
14. THE PLANS ARE GENERALLY DIAGRAMMATIC AND SHOULD NOT BE SCALED. THE FINAL AND EXACT LOCATION OF ALL FIXTURES SHALL BE ESTABLISHED BY THE OWNER AND/OR THE ARCHITECT WHEN IN QUESTION.
15. ALL OUTLETS SHALL COMPLY WITH NEC-210.12. ARC-FAULT CIRCUIT INTERRUPTER PROTECTION TO BE INSTALLED.
16. ALL OUTLET RECEPTACLES TO BE TAMPER RESISTANT IN COMPLIANCE WITH THE LATEST NEC CODE.
17. ELECTRICAL CONTRACTOR TO COORDINATE SERVICE WITH FP&L, INCLUDING ELECTRIC METER LOCATION COMPLIANCE WITH EMERGENCY MANAGEMENT AGENCY REQUIREMENTS.
18. A/C COMPRESSOR AND MAIN CIRCUIT BREAKER PANEL(S) SHALL BE LOCATED ABOVE BASE FLOOD ELEVATION.
19. PROVIDE TYPEWRITTEN SCHEDULES FOR ALL PANEL BOARDS.



Electrical scope of work
LEGALIZATION of existing electrical improvements in the first floor as shown in plan. New water heater in first floor. New electrical lighting and receptacles in second floor as shown in plans. New electrical meters as shown in E101.3. Contractor to verify existing conditions on site before starting any work.

APPLICABLE CODE
FBC-2023
8TH EDITION

Applicable code
NEC-2020



Scope & Reference:
Legalization/Remodeling & Repair

#BB2019008085

Department Seal:



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Client Name:
5900 W LITTLE HAITI LLC

Project name/address:
Office Building

185 NE 59 ST
Miami, FL 33137

Seal:

Revision Schedule		
Revision	Date	By
1	02/29/2024	JL
2	12/12/2024	JL

Drawn by:
JL

Checked by:
HC

Date:
03/24/2023

Sheet name:
Electrical Details

Sheet number:
E101