

NOTES :

ELECTRICAL NOTES (CITY OF LAS VEGAS – 2023 NEC)

ELECTRICAL SERVICE AND PANELS

- 1. ALL ELECTRICAL WORK SHALL COMPLY WITH THE 2023 NATIONAL ELECTRICAL CODE (NEC) AS ADOPTED AND AMENDED BY THE CITY OF LAS VEGAS AND ALL APPLICABLE LOCAL REGULATIONS.
- 2. EXISTING ELECTRICAL SERVICE AND MAIN PANEL SHALL REMAIN UNLESS NOTED OTHERWISE.
- 3. CONTRACTOR SHALL VERIFY EXISTING PANEL LOCATION, SERVICE SIZE, LOAD CAPACITY, AND AVAILABLE BREAKER SPACES PRIOR TO INSTALLATION.
- 4. ALL BREAKERS SHALL BE LISTED FOR USE IN THE PANELBOARD.
- 5. ELECTRICAL PANEL SHALL MAINTAIN REQUIRED WORKING CLEARANCE PER NEC AND SHALL REMAIN ACCESSIBLE AT ALL TIMES.
- 6. ALL CIRCUITS SHALL BE LEGIBLY IDENTIFIED IN THE PANEL DIRECTORY PER NEC.

BRANCH CIRCUIT REQUIREMENTS

- 7. PROVIDE A MINIMUM OF TWO (2) 20-AMP SMALL APPLIANCE BRANCH CIRCUITS SERVING KITCHEN, PANTRY, BREAKFAST, AND DINING AREAS.
- 8. PROVIDE A MINIMUM 20-AMP BRANCH CIRCUIT FOR EACH FASTENED-IN-PLACE APPLIANCE INCLUDING DISHWASHER, DISPOSAL, TRASH COMPACTOR, AND MICROWAVE OVEN.
- 9. PROVIDE A MINIMUM 15-AMP OR 20-AMP DEDICATED REFRIGERATOR CIRCUIT.
- 10. PROVIDE A 20-AMP LAUNDRY BRANCH CIRCUIT.
- 11. PROVIDE A 20-AMP BATHROOM BRANCH CIRCUIT. THIS CIRCUIT SHALL SERVE ONLY BATHROOM OUTLETS.
- 12. PROVIDE DEDICATED CIRCUITS FOR RANGE/OVEN, DRYER, WATER HEATER, HVAC EQUIPMENT, AND OTHER EQUIPMENT AS REQUIRED.

ARC-FAULT AND GROUND-FAULT PROTECTION

- 13. ALL 120-VOLT, 15 AND 20 AMP BRANCH CIRCUITS SUPPLYING OUTLETS IN HABITABLE ROOMS SHALL BE AFCI PROTECTED PER 2023 NEC.
- 14. GFCI PROTECTION SHALL BE PROVIDED IN ALL REQUIRED LOCATIONS INCLUDING BATHROOMS, GARAGES, OUTDOORS, CRAWL SPACES, UNFINISHED BASEMENTS, KITCHENS, LAUNDRY AREAS, WITHIN 6 FEET OF SINKS, AND HVAC SERVICE RECEPTACLES.
- 15. A 125-VOLT, 15 OR 20 AMP GFCI RECEPTACLE SHALL BE INSTALLED WITHIN 25 FEET OF HVAC EQUIPMENT FOR SERVICING.

RECEPTACLE REQUIREMENTS

- 16. RECEPTACLE OUTLETS SHALL BE INSTALLED SO THAT NO POINT ALONG A WALL SPACE IS MORE THAN 6 FEET FROM A RECEPTACLE.
- 17. ANY WALL SPACE 24 INCHES OR MORE IN WIDTH SHALL BE PROVIDED WITH A RECEPTACLE.
- 18. FLOOR RECEPTACLES SHALL NOT COUNT TOWARD REQUIRED WALL RECEPTACLE SPACING UNLESS LOCATED WITHIN 18 INCHES OF THE WALL.
- 19. ALL 125-VOLT, 15 AND 20 AMP RECEPTACLES IN DWELLING UNITS SHALL BE TAMPER-RESISTANT TYPE.
- 20. COUNTERTOP RECEPTACLES SHALL BE INSTALLED PER NEC REQUIREMENTS FOR WALL, ISLAND, PENINSULA, AND SEPARATE COUNTER SPACES.
- 21. RECEPTACLES INSTALLED IN DAMP OR WET LOCATIONS SHALL BE WEATHER-RESISTANT (WR) TYPE AND PROVIDED WITH APPROVED WEATHERPROOF IN-USE COVERS.
- 22. DISHWASHER RECEPTACLE SHALL BE LOCATED IN THE SPACE ADJACENT TO THE DISHWASHER LOCATION.

LIGHTING REQUIREMENTS

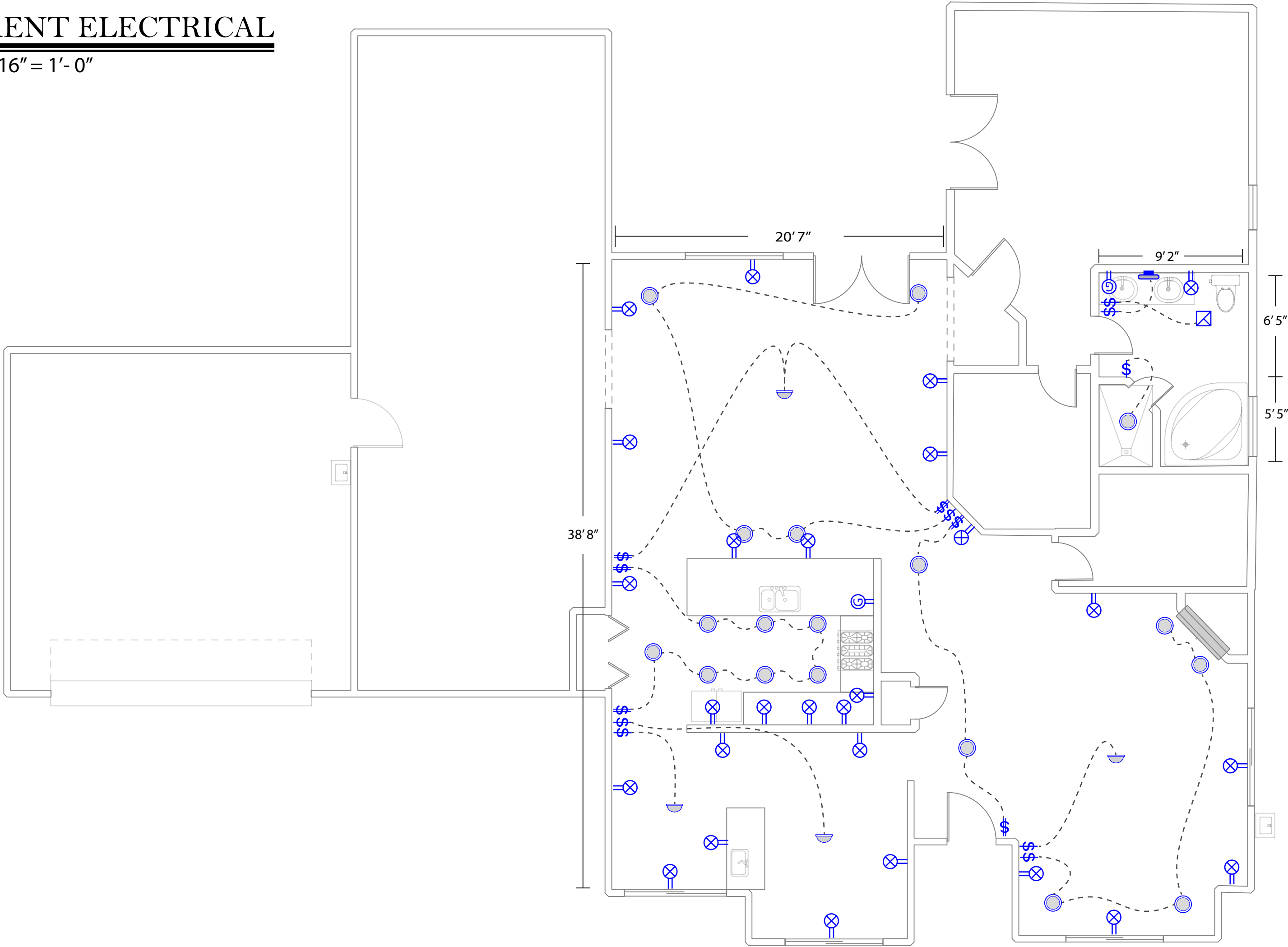
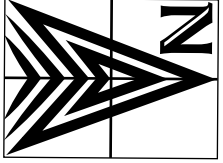
- 23. AT LEAST ONE WALL SWITCH–CONTROLLED LIGHTING OUTLET SHALL BE INSTALLED IN EVERY HABITABLE ROOM AND BATHROOM.
- 24. LUMINAIRES INSTALLED IN CLOTHES CLOSETS SHALL COMPLY WITH NEC CLEARANCE REQUIREMENTS.
- 25. LUMINAIRES INSTALLED IN DAMP OR WET LOCATIONS SHALL BE LISTED FOR SUCH LOCATIONS.
- 26. OUTLET BOXES USED TO SUPPORT CEILING-SUSPENDED (PADDLE) FANS SHALL BE LISTED AND MARKED FOR FAN SUPPORT.
- 27. ALL PERMANENTLY INSTALLED LIGHTING SHALL COMPLY WITH 2024 IECC HIGH-EFFICACY REQUIREMENTS.

GENERAL INSTALLATION

- 28. ALL JUNCTION BOXES SHALL REMAIN ACCESSIBLE AND SHALL NOT BE CONCEALED.
- 29. PROVIDE PROPER BONDING AND GROUNDING FOR ALL NEW AND MODIFIED ELECTRICAL WORK.
- 30. PROVIDE A MEANS OF DISCONNECT WITHIN SIGHT OF EQUIPMENT WHERE REQUIRED.

P1CURRENT ELECTRICAL

Scale : 3/16" = 1'- 0"



P2PROPOSED ELECTRICAL

Scale : 3/16" = 1'- 0"

